Environmental Assessment
Determinations and Compliance Findings for HUD-Assisted Projects
24 CFR Part 58

HILTON-HAMPTON-HOMEWOOD HOTEL
SAN JUAN, PUERTO RICO

December 12, 2023
CMA 23090
Rev. 07

CMA ARCHITECTS & ENGINEERS LLC

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1.0 Project Information

Project Name: Hilton-Hampton-Homewood Hotel (IPGD-00306)

Responsible Entity: Puerto Rico Department of Housing

Grant Recipient (if different than Responsible Entity):

State/Local Identifier: San Juan, PR

Preparer: Pedro A. Janer / Environmental Engineer. CMA Architects & Engineers LLC

Certifying Officer Name and Title:

- Juan Carlos Pérez-Bofill – Director, Disaster Recovery CDBG-DR
- Sally Z. Acevedo-Cosme – Permits and Environmental Compliance Specialist
- Pedro de León Rodriguez – Permits and Environmental Compliance Specialist
- María T. Torres-Bregón – Permits and Environmental Compliance Specialist
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Consultant: CMA Architects & Engineers LLC

Direct Comments to: Angel López-Guzmán
environmentcdbg@vivienda.pr.gov

Project Location: Blvd. Baldorioty de Castro,
Ave. Fernández Juncos & Calle Billian Bo. Miramar, San Juan
Cadaster No. 040-037-001-18-001; 040-036-900-04-000
Coordinates: 18.455092, -66.087276

1.1 Description of the Proposed Project [24 CFR 58.32; 40 CFR 1508.25]:

The project consists of a new hotel (Parcel F) and a parking building (Parcel G-2) on the adjacent lot, located next to each other in the San Juan Convention District. The proposed hotel will have ten (10) stories to accommodate 255 rooms and corresponding accessory uses within the same building. The proposed gross floor area is approximately 165,647 square feet (50489.21 m²), encompassed by an area of occupancy of approximately 20,953 square feet (1946.597 m²). Figure Number 1 shows an aerial photo depicting the project area.

Figure Number 1 – Aerial Photo

Parcel F is the lot on which the hotel is proposed to be located. The first floor of the hotel contains the lobby with guest service areas that include various living areas, dining room, bar, administrative area, laundry, kitchen, storage, and utility rooms. On this level, there are also three conference and meeting rooms and a business center, with their respective support spaces. The rooms are located on the second level. Level 10, "Pool Level," accommodates the pool area, terrace, gym, and bathrooms.

The rest of the site includes support areas such as the emergency generator and electrical substation, equipment area for electromechanical systems that serve the main use, garbage area, service area, and loading and unloading area.

Parcel G-2 is the lot where it is proposed to locate a four-story parking building. The parking structure design will accommodate approximately four hundred (400) parking spaces, of which nine (9) are accessible parking spaces and two (2) are Van-Accessible, in compliance with ADA.

1.2 Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

It is no secret that the tourism industry and hospitality services are an essential component in the overall economic health and quality of life of an area or municipality of a tropical island. In Puerto Rico, these services have suffered immensely since the passing of two hurricanes, and earthquakes, and more so since the COVID worldwide pandemic spread to the island, which exacerbated the precarious financial condition of the central and

municipal governments. Undeniably, the development, construction, and operation of this Project will have a positive economic impact on San Juan by creating multiple new jobs in hospitality and related businesses, which as discussed in this application is a traditionally labor-intensive sector, while expanding the Island's current room inventory where demand exceeds supply. Simply put, a new hotel with lodging, amenities and restaurants will further cement the reputation San Juan as a world class tourism destination.

The Investment Portfolio for Growth (IPG) Program seeks to alleviate the exacerbated economic effects of hurricanes Irma and María through large-scale development projects that are transformative in nature and create or retain Low-to-Moderate Income (LMI) jobs and cascading economic impacts.

The IPG Program intends to award gap funding for large-scale commercial and industrial development for a broad-ranging set of economic revitalization initiatives. This may include but is not limited to the development or redevelopment of commercial, mixed-use and infrastructure projects through a significant investment to support local economy.

At a projected development cost of $76,995,560.00, the Project is estimated to create 319 direct, 421 indirect and 201 induced jobs during construction and 397 direct, 321 indirect and 226 induced jobs during operations. This will comply with the IPG program purpose of create low-to-moderate income jobs.

1.3 Existing Conditions and Trends [24 CFR 58.40(a)]:

The property subject to this Environmental Assessment is located on State Road PR-1, intersection with PR-35, Miramar Ward in the Municipality of San Juan. Currently, the property is partially occupied by a parking area.

The boundaries of the property are the following:

- North: Olive Garden Restaurant
- South: State Road PR-35
- East: State Road PR-1
- West: Hyatt House San Juan and Hyatt Place San Juan.

The Project will have direct access from State Road PR-1. Figure Number 2 shows the Location Map.

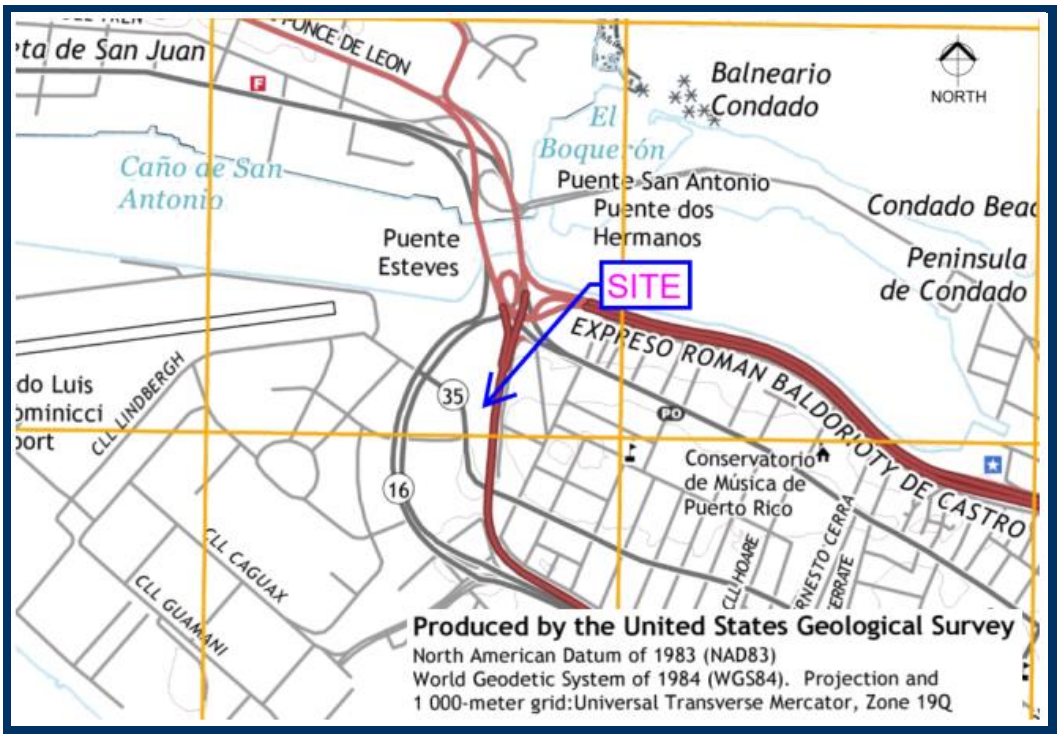

Figure Number 2 – Location Plan

1.4 Funding Information

Grant Number	HUD Program	Funding Amount
B-17-DM-72-0001 B-18-DP-72-0001 B-19-DP-78-0002 B-18-DE-72-0001	Community Development Block Grant – Disaster Recovery (CDBG-DR)	$11,938,162,230

1.5 Estimated Total HUD Funded Amount:

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]**:** $76,995,560.00

HUD Funding Requested: $12,500,000.00
Private Financing: $64,495,560.00

2.0 Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities

The record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	The project site is located within 2,500 feet of a civil airport, Fernando Luis Ribas Dominicci Airport. The project is located 1,249 feet from the Runway. However, it is located completely outside the Runway Protection Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ). The project area is located adjacent to the Runway Protection Zone (RPZ). An FAA evaluation was requested. The Federal Aviation Administration (FAA) has conducted an aeronautical study for the project site. In a letter dated August 16, 2022, The FAA aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation. Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, the FAA recommend being installed in accordance with FAA Advisory circular 70/7460-1 M.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		The structure considered under this study lies in proximity to an airport. Any height exceeding 116 feet above ground level (136 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation. The aeronautical study included the parking area. A copy of both letters is included in **Appendix A**. The project site is not located within 15,000 feet of a military field. The proposed project is located 25,307 feet to the west of the Military Airport, Luis Muñoz Marín International Airport (SJU). **Appendix B, Maps 1 and 2** depict the distance from the project to the nearest airports. This project is in compliance with Airport Hazards.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	The CBRS map prepared by the Fish and Wildlife Service shows that the nearest coastal barrier is located 9.5 kilometers to the west of the project. The system is known as Punta Salinas, Unit PR-86P. A copy of this map is included in **Appendix B, Map 3**. (Map 72-027A, dated: November 15, 2016. This project complies with Coastal Barrier Resources
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes ☐ No ☒	The project site is not located in the 100-year floodplain. The project site is located completely within zone X as shown in FEMA's Effective Firm (Panel 72000C0355J, eff. 11/18/2009). Therefore, flood insurance is not required" **Appendix B, Map 4** shows a copy of this panel depicting the project area. This project is in compliance with Flood Insurance.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes ☐ No ☒	The Puerto Rico Nonattainment / Maintenance Status for Each County by Year for All Criteria Pollutants prepared by the Environmental Protection Agency shows the municipalities that do not comply with the Puerto Rico State Implementation Plan. The area of the municipality of San Juan, where the project is located, is in a non-attainment area for SO_2 emissions. Rule 210 of the Puerto Rico Air Pollution Control Regulations Amendments provides provisions for non-attainment areas. These provisions apply to new major stationary sources or major modifications to existing major sources. The emissions source that could be operating at the project is a 1,000kW emergency generator. The SOx emissions were estimated to be 0.0030 ton/yr. These SOx emissions will not trigger the major source threshold of 100 tons/yr of SO2. Copy of the air emissions calculations are included in Appendix A. This project is in compliance with Clean Air.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☒ No ☐	The project site is located completely within the Coastal Zone Management Area. **Appendix B, Map 6**. The proposed project is included in the activities list that can generally be considered as significantly affecting the coastal zone: "Activities affecting or altering surface runoff quality or quantity in the coastal watershed, and the coastal zone." The construction project should generate sediments that can be dragged into the coastal zone. As a mitigation measure the amount of sediments that can be

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		dragged to the coastal area can be minimized by installing control measures like silt fences and socks. Preventive maintenance will be provided to these measures to keep them working optimally. The Puerto Rico Planning Board has determined that the project is consistent with the Puerto Rico Coastal Zone Management Program Policies. A copy of this determination is included in **Appendix A**. This project is in compliance with Coastal Zone Management Act.
Contamination and Toxic Substances 24 CFR Part 58.5(i)(2)	Yes ☒ No ☐	A Phase I Environmental Site Assessment **(Appendix E)** was conducted on October 6, 2023. The goal of the Phase I ESA is to identify Recognized Environmental Conditions (REC), which is the presence or likely presence of any hazardous substances or petroleum products in, on or at the property, including an evaluation of past uses of the property. Based on the Phase I ESA, the site was part of a US Naval Reservation up to the mid-1990s. The phase I report listed five LUST and two UST sites within the search radius. Additionally, based on information gathered during an interview a UST was discovered and removed from the site during previous development of the property. As part of the tank removal, earth with fuel was removed and disposed of adequately. The findings of phase I report did not identify any RECs associated with these sites and soil sampling was not recommended.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		Using the NEPAssist app of the Environmental Protection Agency, no superfund sites or Brownfields are listed in the area or nearby areas. The map generated by the NEPAssist is attached in **Appendix A**. There are twenty-five hazardous waste sites, one toxic release, and two toxic air emissions facility within a 3,000 ft radius. The Enforcement and Compliance History Online (ECHO) database was revised to obtain information about these sites. The reports showed that no violations have been reported at the sites. Copies of the factsheets for these facilities are included in **Appendix A** shows a table with a summary of the findings. The property is currently a parking lot, which was built in 2016. Therefore, testing for asbestos-containing materials (ACM) is not required. Lead inspection or risk assessment is required to determine the presence of Lead paint. In accordance with Puerto Rico Department of Natural and Environmental Resources, all painted surfaces must be tested by a Puerto Rico-accredited LBP inspector for the presence of LBP before beginning of construction activities. This is required for receiving a permit for the activity and disposal of material in accordance with Puerto Rico Landfill requirements. Based upon test findings, contractors shall perform required activities in accordance with applicable Natural and Environmental Resources Department regulations and EPA RRP requirements.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		If the project site contains a maximum aboveground storage capacity greater than 1,320 gallons of oil, Spill Prevention Control and Countermeasures (SPCC) regulatory requirements must be met. The current project site is occupied by an existing parking lot. Conducting pre-construction radon testing to evaluate the potential for radon-related concerns is not feasible prior to construction of the new proposed hotel. However, the implementation of radon-resistant construction protocols, as a proactive measure is recommended to minimize the risk of radon exposure in areas with elevated radon risk. Additionally, as determined through the use of locally available data or determination of Zone 1 designation, jurisdictions may require radon-resistant construction for new construction. The project must comply with applicable mitigation measures as outlined.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☐ No ☒	Based on the proposed project scope, this project will have No Effect on listed species based on the Blanket Clearance Letter provided by the U.S Fish and Wildlife Service, Caribbean Ecological Services Office. The proposed project complies with criteria 10 "Construction of facilities on vacant properties covered with grasses in urban areas, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach." This project is in compliance with the Endangered Species Act.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		Copy of the Species List and the self-certification form are included in **Appendix A**. This project complies with endangered species.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	Projects involving development, construction, rehabilitation, modernization or conversion of a property intended for residential, institutional, recreational, commercial or industrial use and is therefore, subject to the requirements of 24 CFR Part 51 Subpart C. There is expected to be an increase in the number of people exposed to hazardous operations. Therefore, an assessment is required. The project includes the installation of an onsite 3,000-gallon fuel tank to support the emergency generator. The proposed HUD-assisted project includes a hotel and parking garage and is not considered a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries). A desktop review of aerial imagery was conducted in a 1-mile radius of the project site, to identify above ground storage tanks containing hazardous substances. As a result, 15 individual tanks and 4 clusters of tanks of concern were identified within 1 mile of the project site. Of these, 1 tank consists of the proposed tank to be installed on site. However, the proposed HUD-assisted project does not include a hazardous facility (a facility that mainly stores, handles, or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries).

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		An acceptable separation distance (ASD) calculation was performed for each of these 18 using the HUD ASD Electronic Assessment Tool. The project site is located outside of the calculated ASDs for all but one tank. One pressurized tank, Tank O, is the largest tank at its site and has an ASD for thermal radiation for people of 4,111 feet and an ASD for thermal radiation for buildings of 1,005 feet. The tank is located approximately 1,535 feet from the project site. The ASD for thermal radiation for people exceeds the measured distance from tank to project site. Upon completion of construction, a rooftop pool deck/pool on the 11th floor (103.5 feet above ground) and a lobby level terrace bar are expected to be the two areas of the hotel property designed for people to congregate outside of the structure. Both the rooftop pool deck/pool and lobby level terrace bar will be located on the north side of the structure facing away from Tank O. There is a warehouse immediately adjacent (to the west) of Tank O as well as numerous tall buildings between Tank O and the project site across multiple city blocks. All of these structures serve as man-made barriers in between the proposed HUD-assisted project and the hazardous facility to shield the proposed HUD-assisted project from Tank O. The distance between Tank O and the project site as well as the number of substantial and tall structures between the two are sufficient to reduce the calculated ASD for thermal radiation for people. Refer to **Appendix A** for ASD

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		Calculations and Summary. **Appendix B, Map 7** depicts AST locations within a 1-mile radius. The proposed project complies with explosive and flammable hazard requirements.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes ☐ No ☒	The project area is developed and is located at the Conventions District in San Juan, Puerto Rico. No prime, unique or local or statewide important farmlands are within the project area. Additionally, the project site was previously developed when the parking lot was constructed. The proposed project will not involve the conversion of farmland to non-agricultural uses and is, therefore exempt from the requirements of 7 CFR 658. NRCS Farmlands Map for Puerto Rico are included as **Appendix B, Map 8**. This project is in compliance with Farmlands Protection.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☐ No ☒	The project is located in a Zone X, FIRM Panel 72000C0355J, effective date 11/18/2009. The site is not located in an Advisory Base Flood Elevation (ABFE) special flood hazard area. The project is in compliance with floodplain management requirements. See **Appendix B, Maps 4 and 5**

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☐ No ☒	The proposed project is in compliance. Consultation with the Puerto Rico State Historic Preservation Office (PRSHPO, also SHPO) was on November 2, 2023. The Section 106 Effect Determination Form presented information prepared by SOI-qualified professionals on the proposed project's new construction and evaluated the effects it may have on known historic properties; a recommendation was made that the proposed project would have no adverse effect on historic properties. In a letter response dated November 10, 2023, the PRSHPO concurred that the proposed undertaking would have no adverse effect upon historic properties. A copy of this determination is included in **Appendix A**. This project is in compliance with the National Historic Preservation Act.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes ☒ No ☐	HUD's noise standards apply 'new' noise-sensitive land uses in potentially noise-impacted areas (project sites within 1,000 feet of major roadways, within 3,000 feet of railroads, or 15 miles of military or FAA-regulated airfields). Due to the property's intended use and proximity to the Fernando Luis Ribas Dominicci Airport, the project will be considered a new noise-sensitive land use to evaluate potential noise impacts. The Ribas Dominicci Airport is located 1,200 feet to the northwest, and the Luis Muñoz Marín is located 5.13 miles to the east. The project is adjacent to the State Road PR-1 to the east and Fernandez Juncos Avenue to the west. No railroads are located within the 3,000 feet radius.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		The project consists of constructing a 255 Keys hotel in an urban area. No residential units are contemplated. Nevertheless, noise samples were obtained at the site using a certified and calibrated noise meter. The measured noise levels at both faces of the proposed building were 70.3 dB(A). Levels between 65 and 75 dB are classified as normally unaccepted by HUD. Nevertheless, the noise level inside the proposed building will be 42 dB because the exterior walls and windows will cause a decibel drop of 28 dB. This drop is caused by the high noise reduction coefficient of the building construction materials. Exterior walls will be constructed of concrete with an NRC of 0.97, and the window glass has an NRC of 0.95. **Appendix G** includes the calculations developed to determine the decibel drop. Based on this information, the project complies with Noise Control and Abatement. A copy of the project Noise Study is included as **Appendix F**. This project is in compliance with Noise Control and Abatement.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☐ No ☒	The Interactive map of the Sole Source Aquifer (SSA) provided through the EPA Webpage (https://www.epa.gov/dwssa) indicates that there are no EPA sole source aquifers (SSA) in Puerto Rico. The nearest SSA are located in south Florida. This map is included in **Appendix B, Map 9**. This project is in compliance with Sole Source Aquifers.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes ☐ No ☒	The National Wetlands Inventory shows that the project is not located in areas classified as wetlands. A copy of the area map is included in **Appendix B, Map 10**. This proposed project will not impact any on or off-site wetlands and includes no activities that would require further evaluation under Executive Order 11990. The project is in compliance with wetland protections." This project is in compliance with Wetlands Protection.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	The National Wild and Scenic Rivers System map for Puerto Rico does not have any scenic or wild river at the project area. Nearest scenic or wild rivers are segments of La Mina and Icacos rivers located at approximately 23 miles to the east of the site. The National Rivers Inventory (NRI) is a list of free-flowing river segments in the U.S. that are believed to possess one or more "outstandingly remarkable" values. The nearest NRI listed rivers are segments of the Espíritu Santo and Sabana rivers. These are located 20 miles to the east. See Wild and Scenic Rivers and National Rivers Inventory data for Puerto Rico is included **Appendix B, Maps 11 and 12**.
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes ☐ No ☒	The Land Use Plan for the municipality of San Juan classifies the area as Tourist-Commercial. The proposed project is compatible with the zoning requirements. No low-income residential areas will be directly impacted by the proposed project. The surrounding areas are hotels, restaurants, and residential private buildings. None of the environmental issues that have been

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
		identified would impact low income or minority populations. The proposed project will generate hundreds of direct and indirect jobs during the construction and operational phases. The operation of the hotel and its amenities will positively impact the economic growth of the Centro de Convenciones District. This project is in compliance with Environmental Justice.

2.1 Environmental Assessment Factors

[24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable, and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed, and applicable approval permits have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation, or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to determine impact for each factor.

(1) Minor beneficial impact

(2) No impact anticipated

(3) Minor Adverse Impact – May require mitigation

(4) Significant or potentially significant impact requiring avoidance or modification, which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The Project complies with the zoning established at the San Juan Use Plan. The area is classified as CT-2 (or CT as per 2023 Joint Regulation). The permitted uses at this classification includes Hotels. Included in **Appendix B, Map 13** is the San Juan Zoning Map drawings depicting the site under evaluation.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The site topography is flat. Stormwater run-off will be directed to the MS4 system operated by the Municipality of San Juan, discharging into San Juan Bay. The project design includes the installation of erosion and sedimentation control measures to minimize the impact into the receiving water body. This control measures include the installation of geotextiles on the existing and proposed catch basins, crushed stone construction entrance, and a silt fence around the project perimeter. These control measures and its maintenance will be included in the Erosion and Sedimentation Control Plan that will be submitted to the Department of Natural and Environmental Resources for its approval.
Hazards and Nuisances including Site Safety and Noise	2	The site is classified as C-T (Commercial Touristic) and the permitted project in this type of [parcels included hotels. The proposed project was designed in compliance with the Puerto Rico Building Code and the 2023 Joint Regulations. The project design complies with the required minimum separation distances from surrounding parcels. The building height was evaluated and accepted by the FAA so no impact on the Isla Grande Airport operations will be generated. Infrastructure design was evaluated and approved by the local infrastructure agencies.
Energy Consumption	2	As part of the Project design, low energy consumption equipment will be installed. This includes LED illumination at the common areas and hotel rooms and solar panels. LUMA is the operator of the Puerto Rico Electric Power transmission and distribution. LUMA has

Environmental Assessment Factor	Impact Code	Impact Evaluation
		indicated the project connection point and their recommendations to provide the electrical service. Copy of this letter is included as **Appendix C**.
SOCIOECONOMIC		
Employment and Income Patterns	1	At a projected development cost of $76,995,560.00, the Project is estimated to create 319 direct, 421 indirect and 201 induced jobs during construction. The hotel and amenities operation will generate 397 direct, 321 indirect and 226 induced jobs.
Demographic Character Changes, Displacement	1	The Project surroundings have been used for the past 10 years for touristic activities. The proposed new hotel is not anticipated to cause displacement. The project will provide employment during the construction and operational phases for the people from the surrounding areas.
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The proposed Project is hospitality development. Educational facilities in the municipality of San Juan and its adjoining municipalities will not be impacted by the Project. The existing cultural facilities will be positively impacted by the visits of the tourists that will be staying at the new hotel.
Commercial Facilities	2	The existing commercial facilities will be positively impacted by the visits of the tourists that will be staying at the new hotel. The project surrounding commercial facilities will represent an additional alternative for the people using staying at the proposed hotel as well as the new facilities will represent an alternative to the users of the area. The proposed commercial facility at the site includes restaurants and a bar. These facilities will be mainly used by the people staying at the hotel. No negative impact to the surrounding commercial activities is expected.
Health Care and Social Services	2	The Project consists of the construction of a new Hotel. Impact on the existing healthcare facilities and social services is not expected. The project site is located

Environmental Assessment Factor	Impact Code	Impact Evaluation
		near several healthcare building such as Centro Mas Salud Gualberto Rabel, Doctor's Center Hospital and Hospital Pavia. These areas have emergency and non-emergencies services that can be used by the project users. The Centro Mas Salud is located 0.75 miles to the south.
Solid Waste Disposal / Recycling	2	The operation of the proposed hotel will include implementing a recycling program. This program will reduce the number of solid wastes that can reach sanitary landfills. The waste collection and disposal service will be provided by a private company. The private company will be selected in a next project phase.
Wastewater / Sanitary Sewers	2	PRASA has indicated in their letter dated April 14, 2023, that the sanitary sewer service can be provided by the existing infrastructure. Copy of this letter is included in **Appendix C**.
Water Supply	2	PRASA has indicated in their letter dated April 14, 2023, that the potable water service can be provided by a connection to their existing infrastructure. Copy of this letter is included in **Appendix C**.

Environmental Assessment Factor	Impact Code	Impact Evaluation
Public Safety - Police, Fire, and Emergency Medical	2	The Project consists of the construction of a new Hotel. Private safety will be contracted as part of the operational phase. It is not expected to impact public safety services. As in any commercial operation, health and safety risks exist in the hospitality business. These risks include, but are not limited to, fire and electrical hazards, slips, falls, and food safety. These risks are minimized establishing protocols. Any of these emergencies could be attended by paramedics that will be available at the site and using the Municipality of San Juan emergency services. The Puerto Rico Fire Department has a Fire House located 0.5 miles to the north of the site. In the case of an emergency, firemen can reach the site rapidly. A public hospital, Centro Mas Salud is located 0.75 to the south. Preventive rounds are provided to the project area due to the high volume of visitors of the Centro de Convenciones District.
Parks, Open Space and Recreation	1	The project area is located at the Centro de Convenciones District. This area has several attractions like a zip-line, a concert venue and a movie theater. Visits from the people staying at the proposed hotel can increase the site's income not only by paying the entrance fees but sponsoring the commercial facilities in the area.
Transportation and Accessibility	2	The area where the project will be located has direct access to Roads PR-1 and PR-35. The project will be located in a high-volume tourist, conventions and entertainment area. Public transportation provided by the Metropolitan Bus authority includes several routes through the area.
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The project site is located to the south of San Juan Bay and Condado Lagoon. None of these features will be impacted by the project.
Vegetation, Wildlife	2	Professional biologists have visited the site to study flora and fauna of the area. No endangered species were

Environmental Assessment Factor	Impact Code	Impact Evaluation
		observed during these site visits. **Appendix D** shows the list of the flora and fauna species identified at the site.
Climate Change	2	Some of the causes of climate changes are the deforestation, transportation and powering buildings. To minimize the project impact on the climate change the project design includes the use LED illumination, implementation of a forestation plan, provide mass transportation to the hotel users, and install efficient energy and water devices.

2.2 Additional Studies Performed:

- Flora and Fauna
- Structural Integrity Report
- Cultural Resources Evaluation
- Environmental Site Assessment Phase I
- Noise Study

2.3 Field Inspection (Date and completed by):

- Field inspection was conducted on April and June 2023 by CMA Architects & Engineers LLC.

2.4 List of Sources, Agencies, and Persons Consulted [40 CFR 1508.9(b)]:

The following Puerto Rico government and municipal agencies were consulted during the environmental compliance phase:

- PR Aqueduct and Sewer Authority
- PR Highways and Transportation Authority
- PR Electric Power Authority
- Telecommunications Bureau
- Department of Natural and Environmental Resources
- Department of Transportation and Public Works
- PR Institute of Culture
- Environmental Quality Board
- Fire Department
- PR Department of Health
- Department of Labor and Human Resources
- Solid Waste Management Authority
- PR Tourism Company
- PR Industrial Development Company
- Municipality of San Juan

2.5 List of Permits Obtained:

Permit / Endorsement[1]	Agency	Date
Environmental Impact Statement Resolution	Environmental Quality Board	August 31, 1999
Water and Wastewater service recommendations	Puerto Rico Aqueducts and Sewers Authority	April 14, 2023
Telecommunications service	Puerto Rico Telecommunications Bureau	March 2023
Land Use Consultation	Puerto Rico Planning Board	October 3, 2002
Electric power service	LUMA Energy	March 22, 2023
Built Historical Heritage Program	Institute of Culture	March 24, 2023

[1] Copy of these communications are included in **Appendix B**.

2.6 Public Outreach [24 CFR 58.43]:

As part of the evaluation phase of the Environmental Impact Statement (EIS) process, public hearings were conducted. These hearings include the development of the entire Convention District projects that include the project under evaluation. A copy of the Commonwealth of Puerto Rico environmental compliance process completion resolution is included in **Appendix B**. The federal Environmental Evaluation process includes the publication of a Finding of No Significant Impact notice on local newspapers. This will provide an additional opportunity to the public to provide their comments to the project.

2.7 Cumulative Impact Analysis [24 CFR 58.32]:

The proposed hotel Project is part of the "Distrito del Centro de Convenciones" master plan, that includes the "Centro de Convenciones" T-Mobile district, several hotels and restaurants. The hospitality industry is a key component of Puerto Rico's economic development activities.

During the planning phase of the Project, all infrastructure agencies were contacted to develop the required infrastructure to address the demand of the Master Plan. As a result of such contacts, improvements to existing roadways and the electrical and potable water infrastructure was constructed. These improvements will adequately serve the components in the Master Plan. All the infrastructure requirements were addressed in coordination with the concerned agencies.

Environmental impacts of the Master Plan include impacts to flora and fauna of the area. These impacts have been mitigated by a massive reforestation plan that includes vegetation that provides food to the area's fauna. Conservation measures prepared by the US Fish and Wildlife Service will be implemented to protect any of the listed species.

In summary, the analysis and studies carried out during the planning phase of the Master Plan and the discussions with the infrastructure agencies took into consideration and addressed the impacts of the Project as part of the Master Plan. Therefore, the cumulative impact of the development of the Project is not significant.

2.8 Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

2.8.1 Preferred Alternative

The project site is part of a Master Plan specially developed for tourist facilities. Hilton-Hampton-Homewood Hotel was included in the approved Master Plan to be occupied by a hotel. Therefore, hospitality use is the preferred alternative and is consistent with the

approved Master Plan. The Project will include modern and efficient equipment and lighting to reduce energy consumption and potable water usage.

2.8.2 No Action Alternative [24 CFR 58.40(e)]:

The Project is part of a larger master-planned development, so the no action alternative would imply more than not constructing the proposed Project. Not constructing the Project would negatively impact the development of the San Juan Conventions district. The no-action alternative would mean dealing with the implications of having an empty lot at the center of an existing master-planned district. On the other hand, the development, construction, and operation of the Project will create multiple new jobs in the hospitality industry and the service sectors, as detailed herein, while expanding the Island's current room inventory and the demand for products and services from small ancillary businesses in the area. Moreover, the Project's economic impact indicators obtained while conducting the economic studies phase undoubtedly demonstrate that the Project is a large-scale transformative initiative that will result in long-term, good-paying job creation and retention. The Project is just a short commute from the Luis Muñoz Marín International Airport and will have a positive economic regional impact by renewing the surrounding area.

2.8.3 Not Selected Alternatives

Other evaluated alternatives include the construction of a higher building with more hotel rooms. This alternative was not selective due to its impact on the Isla Grande Airport operation. No other site was evaluated because the selected site is already classified as commercial-touristic, and this classification allows the construction of the proposed project without a Land Use Consultation.

3.0 Summary of Findings and Conclusions

The Project will not result in significant adverse effects to the natural or human environment. In addition, the project is expected to have no substantial adverse impacts on the natural or human environment. Moreover, it is foreseen to yield positive social and economic effects for the San Juan Convention District. This will be achieved by addressing the needs of the hospitality industry and service sectors, as outlined in the project details. Additionally, the initiative aims to expand the current room inventory on the island and stimulate demand for products and services from small ancillary businesses in the vicinity.

3.1 Mitigation Measures and Conditions [40 CFR 1505.2(c)]

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Construction Phase	
Airport Hazards	The Project site is located adjacent to the Fernando Luis Ribas Dominicci Airport. If any marking/lighting are accomplished on a voluntary basis, the FAA recommend being installed in accordance with FAA Advisory circular 70/7460-1 M.
Airport Hazards	Please note, any heights exceeding 116 feet above ground level (136 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.
Coastal Zone Management	The amount of sediments that can be dragged to the coastal area can be minimized by installing control measures like silt fences and socks. Preventive maintenance will be provided to these measures to keep them working optimally.
Contamination and Toxic Substances	Lead inspection or risk assessment is required to determine the presence of Lead paint. In accordance with Puerto Rico Department of Natural Resources and environment, all painted surfaces must be tested by a Puerto Rico-accredited LBP inspector for the presence of LBP before beginning of construction activities. This is required for receiving a permit for the activity and disposal of material in accordance with Puerto Rico Landfill requirements. Based upon test findings, contractors shall perform required activities in accordance with applicable Natural and Environmental Resources Department regulations and EPA RRP requirements.
Contamination and Toxic Substances	If the project site contains a maximum aboveground storage capacity greater than 1,320 gallons of oil, Spill Prevention Control and Countermeasures (SPCC) regulatory requirements must be met.

Law, Authority, or Factor	Mitigation Measure
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	The project design includes the installation of erosion and sedimentation control measures to minimize the impact into the receiving water body. This control measures include the installation of geotextiles on the existing and proposed catch basins, crushed stone construction entrance, and a silt fence around the project perimeter.
Noise Abatement and Control	Preventive maintenance of mechanical equipment to minimize noise and air emissions.
Noise Abatement and Control	In order to attain an acceptable Day-Night Noise Level (DNL) within the approved Housing and Urban Development (HUD) limits not exceeding 65dB, contractors are mandated to utilize materials with a high noise reduction coefficient (NRC) for the hotel. Specifically, the exterior walls will be constructed using concrete with NRC of 0.97, and the window glass of 0.95 NRC. Prior to construction, the contractor is required to submit documentation outlining the noise reduction specifications for the materials to be used.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Project site delimitation to contain sediments generated during the earth movement activities.
Contamination and Toxic Substances	Preparation and implementation of a Spill Prevention Control and Countermeasures Plan
Contamination and Toxic Substances	Radon-resistant construction protocols, as a proactive measure is recommended to minimize the risk of radon exposure in areas with elevated radon risk. Additionally, as determined through the use of locally available data or determination of Zone 1 designation, jurisdictions may require radon-resistant construction for new construction
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	Water tank truck to spray water to reduce fugitive dust,
Climate Change	Implementation of a recycling plan and Tree Reforestation Plan.

4.0 Determination

☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]

The project will not have a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]

The project may significantly affect the quality of the human environment.

Preparer Signature: _____ Date: December 12, 2023

Name/Title/Organization: Pedro A. Janer / Environmental Engineer
CMA Architects & Engineers LLC

Certifying Officer Signature _____ Date: December 15, 2023

Name/Title: Sally Acevedo Cosme- Permits and Environmental Compliance Specialist

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Appendix A

Environmental Assessment Worksheets

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Airport Hazards (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/airport-hazards

1. **To ensure compatible land use development, you must determine your site's proximity to civil and military airports. Is your project within 15,000 feet of a military airport or 2,500 feet of a civilian airport?**

   ☐No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within the applicable distances to a military or civilian airport.*

   ☒Yes → *Continue to Question 2.*

2. **Is your project located within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ)?**

   ☐Yes, project is in an APZ → *Continue to Question 3.*

   ☐Yes, project is an RPZ/CZ → *Project cannot proceed at this location.*

   ☒No, project is not within an APZ or RPZ/CZ

   → *If the RE/HUD agrees with this recommendation, the review complies with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary below. Provide a map showing that the site is not within either zone.*

3. **Is the project in conformance with DOD guidelines for APZ?**

   ☐Yes, project is consistent with DOD guidelines without further action.

   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

   ☐No, the project cannot be brought into conformance with DOD guidelines and has not been approved. → *Project cannot proceed at this location.*

If mitigation measures have been or will be taken, explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Click here to enter text.

→ *Work with the RE/HUD to develop mitigation measures. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

Because the project site is located adjacent to Fernando Luis Ribas Dominicci Airport a FAA evaluation was requested. The Federal Aviation Administration (FAA) has conducted an aeronautical study for the project site. In a letter dated August 16, 2022, The FAA aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation. Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting is accomplished voluntarily, the FAA recommends being installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport. Any height exceeding 116 feet above ground level (136 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

The aeronautical study included the parking area. A copy of both letters and an aerial photo depicting the distance from the project to the nearest airports are included. The proposed project is located 500 feet to the southeast of the Isla Grande Airport and 24,500 feet to the west of the Luis Muñoz Marín International Airport. This project is in compliance with Airport Hazards.

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-ASO-27813-OE

Issued Date: 08/16/2022

L.A. Irizarry & Asscoiates, Inc.
Hilton Hotel
PO Box 37217
San Juan, PR 00937-0217

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building Hilton Hotel
Location:	SAN JUAN, PR
Latitude:	18-27-16.92N NAD 83
Longitude:	66-05-13.97W
Heights:	20 feet site elevation (SE)
	116 feet above ground level (AGL)
	136 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

Any height exceeding 116 feet above ground level (136 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 02/16/2024 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.
(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-ASO-27813-OE.

Signature Control No: 543454642-548106141 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-ASO-27813-OE

Sectional Map for ASN 2022-ASO-27813-OE

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-ASO-27812-OE

Issued Date: 08/16/2022

L.A. Irizarry & Asscoiates, Inc.
Hilton Hotel
PO Box 37217
San Juan, PR 00937-0217

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building Hilton Hotel
Location:	SAN JUAN, PR
Latitude:	18-27-19.54N NAD 83
Longitude:	66-05-14.27W
Heights:	20 feet site elevation (SE)
	116 feet above ground level (AGL)
	136 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

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If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-ASO-27812-OE.

Signature Control No: 543454641-548106139 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-ASO-27812-OE

Sectional Map for ASN 2022-ASO-27812-OE

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-ASO-27811-OE

Issued Date: 08/16/2022

L.A. Irizarry & Asscoiates, Inc.
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**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building Hilton Hotel
Location:	SAN JUAN, PR
Latitude:	18-27-19.54N NAD 83
Longitude:	66-05-14.80W
Heights:	20 feet site elevation (SE)
	116 feet above ground level (AGL)
	136 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-ASO-27811-OE.

Signature Control No: 543454640-548106140 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-ASO-27811-OE

Sectional Map for ASN 2022-ASO-27811-OE

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
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Fort Worth, TX 76177

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2022-ASO-27810-OE

Issued Date: 08/16/2022

L.A. Irizarry & Asscoiates, Inc.
Hilton Hotel
PO Box 37217
San Juan, PR 00937-0217

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building Hilton Hotel
Location:	SAN JUAN, PR
Latitude:	18-27-16.88N NAD 83
Longitude:	66-05-14.58W
Heights:	20 feet site elevation (SE)
	116 feet above ground level (AGL)
	136 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

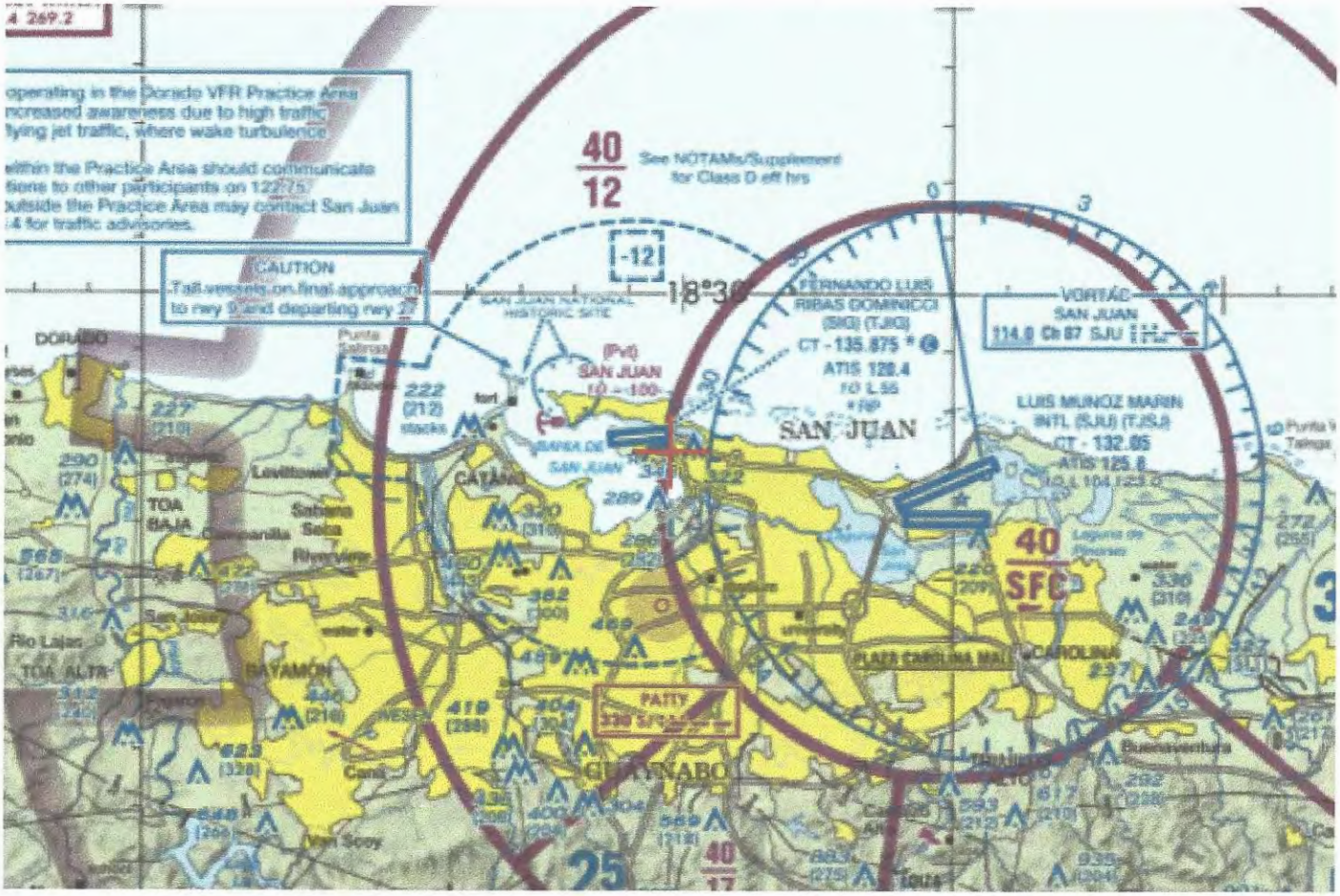
If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-ASO-27810-OE.

Signature Control No: 543454639-548106142 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-ASO-27810-OE

Sectional Map for ASN 2022-ASO-27810-OE



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-ASO-27814-OE

Issued Date: 09/26/2022

L.A. Irizarry & Asscoiates, Inc.
Hilton Hotel
PO Box 37217
San Juan, PR 00937-0217

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Parking Structure Hilton Hotel Parking Lot
Location:	SAN JUAN, PR
Latitude:	18-27-20.98N NAD 83
Longitude:	66-05-14.68W
Heights:	20 feet site elevation (SE)
	60 feet above ground level (AGL)
	80 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M, Obstruction Marking and Lighting, red lights-Chapters 4,5(Red),&15.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

This determination expires on 03/26/2024 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-ASO-27814-OE.

Signature Control No: 543454643-554900843 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-ASO-27814-OE

Sectional Map for ASN 2022-ASO-27814-OE

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Coastal Barrier Resources (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/coastal-barrier-resources

Projects located in the following states must complete this form.

Alabama	Georgia	Massachusetts	New Jersey	Puerto Rico	Virgin Islands
Connecticut	Louisiana	Michigan	New York	Rhode Island	Virginia
Delaware	Maine	Minnesota	North Carolina	South Carolina	Wisconsin
Florida	Maryland	Mississippi	Ohio	Texas	

1. Is the project located in a CBRS Unit?

☐No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a CBRS Unit.*

☐Yes → *Continue to 2.*

> Federal assistance for most activities may not be used at this location. You must either choose an alternate site or cancel the project. In very rare cases, federal monies can be spent within CBRS units for certain exempted activities (e.g., a nature trail), after consultation with the Fish and Wildlife Service (FWS) (see 16 USC 3505 for exceptions to limitations on expenditures).

2. Indicate your recommended course of action for the RE/HUD

☐ Consultation with the FWS

☐ Cancel the project

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

OMB No. 2506-0177
(exp.2/28/2025)

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Include all documentation supporting your findings in your submission to HUD.

The CBRS map prepared by the Fish and Wildlife Service shows that the nearest coastal barrier is located 10.52 kilometers to the west of the project. The system is known as Punta Salinas, Unit PR-86P.
Copy of this map is included (Map 72-027A, dated: November 15, 2016.

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(exp.2/28/2025)

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Flood Insurance (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/flood-insurance

1. **Does this project involve mortgage insurance, refinance, acquisition, repairs, rehabilitation, or construction of a structure, mobile home, or insurable personal property**?

   ☐No. This project does not require flood insurance or is excepted from flood insurance.
   → *Continue to the Worksheet Summary.*

   ☒Yes → *Continue to Question 2.*

2. **Provide a FEMA/FIRM map showing the site.**
   The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs).

   Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?

   ☒ No → *Continue to the Worksheet Summary.*

   ☐ Yes → *Continue to Question 3.*

3. **Is the community participating in the National Flood Insurance Program *or* has less than one year passed since FEMA notification of Special Flood Hazards?**

   ☐ Yes, the community is participating in the National Flood Insurance Program.
   Flood insurance is required. Provide a copy of the flood insurance policy declaration or a paid receipt for the current annual flood insurance premium and a copy of the application for flood insurance.
   → *Continue to the Worksheet Summary.*

   ☐ Yes, less than one year has passed since FEMA notification of Special Flood Hazards.
   If less than one year has passed since notification of Special Flood Hazards, no flood Insurance is required.
   → *Continue to the Worksheet Summary.*

   ☐ No. The community is not participating, or its participation has been suspended.
   Federal assistance may not be used at this location. Cancel the project at this location.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project site is not located in the 100-year floodplain. The project site is located completely within zone X as shown in FEMA's Effective Firm (Panel 72000C0355J, eff. 11/18/2009). Therefore, flood insurance is not required". **Appendix A** shows a copy of this panel depicting the project area. This project is in compliance with Flood Insurance.

OMB No. 2506-0177
(exp.2/28/2025)

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WASHINGTON, DC 20410-1000

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Air Quality (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/air-quality

1. **Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?**

   ☒ Yes → *Continue to Question 2.*

   ☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide any documents used to make your determination.*

2. **Is your project's air quality management district or county in non-attainment or maintenance status for any criteria pollutants?**
   Follow the link below to determine compliance status of project county or air quality management district:
   http://www.epa.gov/oaqps001/greenbk/

   ☐ No, project's county or air quality management district is in attainment status for all criteria pollutants
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

   ☒ Yes, project's management district or county is in non-attainment or maintenance status for one or more criteria pollutants. → *Continue to Question 3.*

3. **Determine the estimated emissions levels of your project for each of those criteria pollutants that are in non-attainment or maintenance status on your project area. Will your project exceed any of the *de minimis or threshold* emissions levels of non-attainment and maintenance level pollutants or exceed the screening levels established by the state or air quality management district?**

   ☒ No, the project will not exceed *de minimis* or threshold emissions levels or screening levels
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Explain how you determined that the project would not exceed de minimis or threshold emissions.*

☐ Yes, the project exceeds *de minimis* emissions levels or screening levels.

→ *Continue to Question 4. Explain how you determined that the project would not exceed de minimis or threshold emissions in the Worksheet Summary.*

4. **For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**
   Click here to enter text.

Worksheet Summary

Provide a complete description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants prepared by the Environmental Protection Agency shows the municipalities that do not comply with the Puerto Rico State Implementation Plan. The area of the municipality of San Juan, where the project is located, is in a non-attainment area for SO2 emissions. Rule 210 of the Puerto Rico Air Pollution Control Regulations Amendments provides provisions for non-attainment areas. These provisions apply to new major stationary sources or major modifications to existing major sources. The emissions source that could be operating at the project is a 1,000kW emergency generator. The SOx emissions were estimated to be 0.0030 ton/yr. This SOx emissions will not trigger the major source threshold of 100 tons/yr of SO_2. Copy of the air emissions calculations are included. This project is in compliance with Clean Air.

Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of March 31, 2022

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 μg/m^3) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:
PUERTO RICO GO

Important Notes

Download National Dataset: dbf | xls | Data dictionary (PDF)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	11 12 13 14 15 16 17 18 19 20 21 22	/ /		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	/ /		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	/ /		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	/ /		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	18 19 20 21 22	/ /		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	/ /		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22	/ /		Part	52,441	72/137

Important Notes

Discover.

Connect.

Ask.

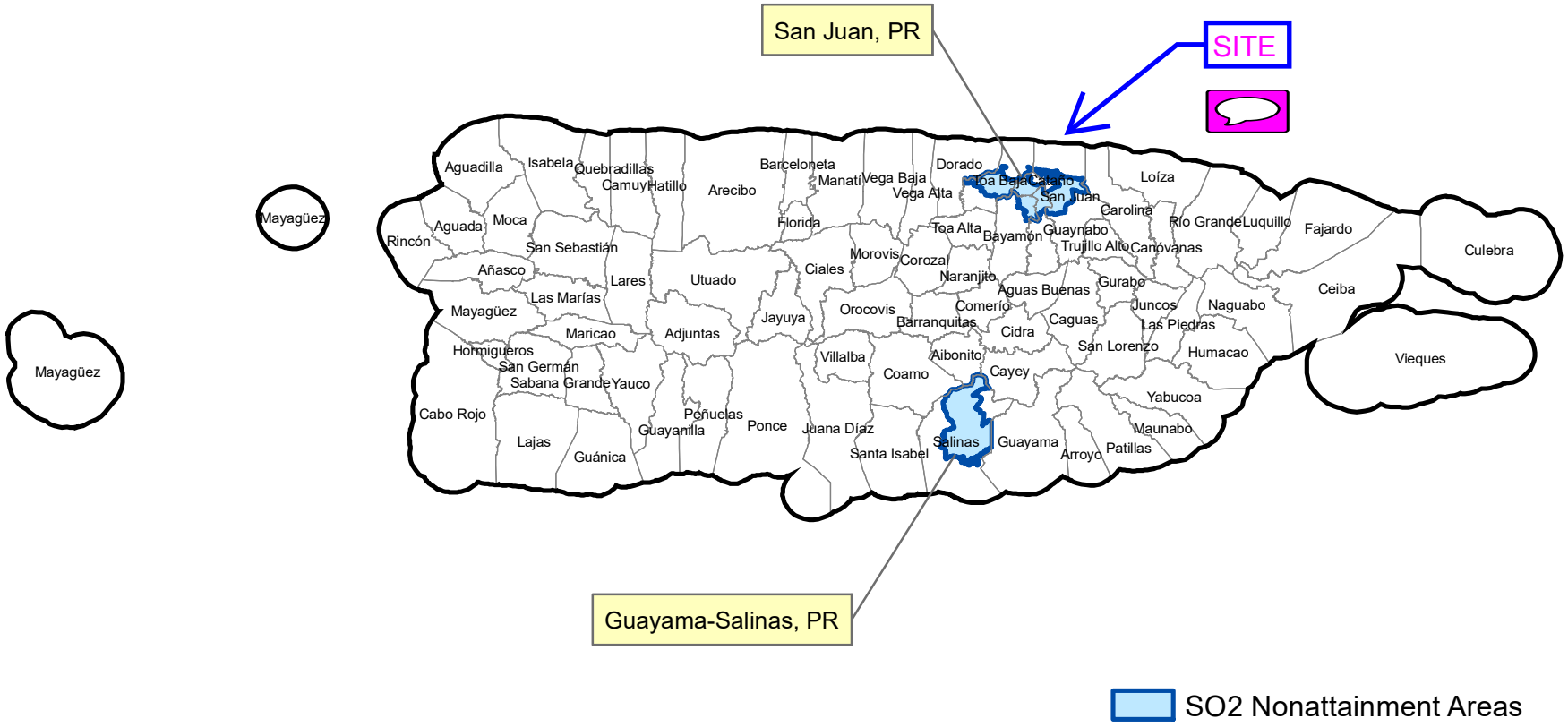
Follow.

2022-03-31

Puerto Rico SO2 Nonattainment Areas (2010 Standard)

03/31/2023

[redacted] by CMA Architects & Engineers



HILTON-HAMPTON-HOMEWOOD HOTEL
San Juan, Puerto Rico

Air Emissions Calculations - 1000 kW Emergency Generator

Quantity	1	
Capacity	1,340.50	hp
Operation	400	hr/yr
Fuel	Diesel	
Sulfur %	0.0015	
Fuel Consumption	72.20	gph
Fuel Heat Value	0.01956	MMBTU/lb
Fuel Density	7.055	lb/gal

Parameter	Emission Factor [lb/MMBTU]	Reduction Percent	Emission After SCR [lb/hr]	Emission After SCR [ton/yr]	Emission per Generator [lb/hr]	Total Emissions [lb/hr]	Annual Emissions [ton/yr]
NOx	3.2	90%	31.88	6.38	3.19	3.19	0.64
SOx	1.01	0%	0.02	0.00	0.02	0.02	0.0030
PM	1.000E-01	85%	1.00	0.20	0.15	0.15	0.03
TOC	9.000E-02	85%	0.90	0.18	0.13	0.13	0.03
CO	8.500E-01	85%	8.47	1.69	1.27	1.27	0.25

Combustion gases total emissions **0.95 ton/yr**

Calculation Examples:

NOx Emissions = EF * Capacity * Operation
NOx Emissions = (3.2 lb/MMBTU)*(7.05 lb/gal)*(0.01956 MMBTU/lb)*(95 gph)*(400 hr/yr)*(1 ton/2000 lb)
NOx Emissions = 0.64 ton/yr

SOx Emissions = EF * % S * Capacity * Operation
SOx Emissions = (1.01 lb/MMBTU)*(0.0015)*(7.05 lb/gal)*(0.01956 MMBTU/lb)*(95 gph)*(400 hr/yr)*(1 ton/2000 lb)
SOx Emissions = 0.0030 ton/yr

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Coastal Zone Management Act (CEST and EA) – PARTNER

https://www.onecpd.info/environmental-review/coastal-zone-management

Projects located in the following states must complete this form.

Alabama	Florida	Louisiana	Mississippi	Ohio	Texas
Alaska	Georgia	Maine	New Hampshire	Oregon	Virgin Islands
American Samona	Guam	Maryland	New Jersey	Pennsylvania	Virginia
California	Hawaii	Massachusetts	New York	Puerto Rico	Washington
Connecticut	Illinois	Michigan	North Carolina	Rhode Island	Wisconsin
Delaware	Indiana	Minnesota	Northern Mariana Islands	South Carolina	

1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

☒Yes → *Continue to Question 2.*
☐No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a Coastal Zone.*

2. Does this project include activities that are subject to state review?

☒Yes → *Continue to Question 3.*
☐No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.*

3. Has this project been determined to be consistent with the State Coastal Management Program?

☒Yes, with mitigation. → *The RE/HUD must work with the State Coastal Management Program to develop mitigation measures to mitigate the impact or effect of the project.*

☐Yes, without mitigation. → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.*

☐No → Project cannot proceed at this location.

Worksheet Summary

Provide a complete description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The coastal zone in Puerto Rico consists of one kilometer measured from the coast up to the upland. An aerial photo showing the distances from the project to the coastal zones is included as Appendix. The proposed project is included in the activities list that can generally be considered as significantly affecting the coastal zone: "Activities affecting or altering surface runoff quality or quantity in the coastal watershed, and the coastal zone." The construction project should generate sediments that can be dragged into the coastal zone. As a mitigation measure, the amount of sediments dragged to the coastal area can be minimized by installing control measures like silt fences and socks. Preventive maintenance will be provided to these measures to keep them working optimally.

The Puerto Rico Planning Board has determined that the project is consistent with the Puerto Rico Coastal Zone Management Program Policies. A copy of this determination is included.

GOVERNMENT OF PUERTO RICO
PUERTO RICO PLANNING BOARD

November 8, 2023

Federal Consistency Certification with the
Puerto Rico Coastal Zone Management Program
Federal Assistance from the IPG Housing Program of CDBG-DR funds.

CZ-2024-1006-046- PR-IPG-000306
Hilton-Hampton-Homewood Hotel

RESOLUTION

TO NOTIFY PARTIES ABOUT THE ISSUANCE OF A FEDERAL CONSISTENCY CERTIFICATE ACCORDING TO THE COASTAL ZONE MANAGEMENT ACT FEDERAL CONSISTENCY REGULATIONS, 15 CFR Part 930

Mr. Angel G. López Guzmán as authorized representative of the Puerto Rico Department of Housing, submitted the application of reference to obtain federal assistance from the CDBG-DR funds through the Investment Portfolio Growth Program (IPG) of the CDBG-DR funds. The IPG Program seeks to alleviate the exacerbated economic effects of hurricanes Irma and Maria through large-scale development projects that are transformative in nature and create or retain Low-to-Moderate Income (LMI) jobs and cascading economic impacts. Intends to award gap funding for large-scale commercial and industrial development for a broad-ranging set of economic revitalization initiatives. This may include but is not limited to the development or redevelopment of commercial, mixed-use and infrastructure projects through a significant investment to support the local economy.

The proposed project is in the Conventions Center District area in the Municipality of San Juan.

Parcel F Hotel LLC proposes the construction of a ten-story building that will be used as a hotel with its respective parking area. The project consists of a new hotel (Parcel F) and a parking building (Parcel G-2) on the adjacent lot, located next to each other in the San Juan Convention District. It will have ten (10) stories to accommodate 255 rooms and corresponding accessory uses within the same building. The proposed gross floor area is approximately 165,647 square feet (50489.21 m²), encompassed by an area of occupancy of approximately 20,953 square feet (1946.597 m²).

Parcel F is the lot on which the hotel is proposed to be located. The first floor of the hotel contains the lobby with guest service areas that include various living areas, dining room, bar, administrative area, laundry, kitchen, storage, and utility rooms. The rooms are located on levels 2 through 10. The Pool is at Level 11 with a terrace, gym, and bathrooms.

Parcel G-2 is the lot where it is proposed to locate a four-story parking building. The parking structure design will accommodate approximately four hundred (400) parking spaces.

The details on the proposed projects are provided in the following table:

PRPB CASE NUMBER	MUNICIPALITY	PRHD CASE ID	CADASTRAL NUMBER	ADDRESS
CZ-2024-1006-046	San Juan	CDBG-DR PR-IPG-000306	040-037-001-10	Baldorioty de Castro Blvd., Fernández Juncos Ave. & Billian St., Miramar Ward, San Juan, PR

As part of the completed evaluation, the Puerto Rico Planning Board made the following findings:

GOBIERNO DE PUERTO RICO
JUNTA DE PLANIFICACIÓN

- Properties are within an X zone of low flooding risk according to FEMA Advisory Maps of April 13, 2018.

- The PR Environmental Quality Board[1] (EQB); emitted the required environmental compliance endorsements for the proposed construction project according to the Article 4-C of the PR Environmental Policy Law (Law Number 9 of June 18, 1970) and the required construction permits according to applicable state regulations.

- The proposed action has a land use location consultation approved by the Puerto Rico Planning Board (PRPB) on October 15, 2002.

- The Puerto Rico Culture Institute (PRCI) issued a favorable recommendation for the proposed action.

Considering the above-mentioned findings, the Puerto Rico Planning Board (PRPB) in its meeting held on *November 8, 2023;* **determined that the federal assistance to be awarded through the IPG Housing Program for the described construction project; is consistent with the PR Coastal Zone Management Program Policies**. This final determination does not exempt the project from complying with any other procedures or permits of other State or Federal agencies.

The following parties shall be notified: **Angel G. López Guzmán**, Deputy Director, Permits and Environmental Compliance Division, Disaster Recovery Office, PR Department of Housing PO Box 21365 San Juan, PR 00928-1365; **Alberto Mercado Vargas**, Acting Director PRCZMP Office, Department of Natural an Environmental Resources San José Industrial Park, 1375 Ave Ponce de León San Juan, Puerto Rico 00926; alberto.mercado@drna.pr.gov; Leilani González Negrón, MBA; legonzalez@vivienda.pr.gov; Assistant Secretary, Disaster Recovery Office, PR Department of Housing; environmentalcdbg@vivienda.pr.gov

Julio Lassús Ruiz, LLM, MP, PPL
President

Certify: That this Resolution is copy of the agreement adopted by Puerto Rico Planning Board (PRPB) in its meeting held on **November 8, 2023**. I expedite and notify this copy to the parties with my signature and the official Puerto Rico Planning Board stamp. For general use and knowledge.

In San Juan, Puerto Rico, today NOV - 8 2023

Edgardo Vázquez Rivera
Acting Secretary

[1] now Department of Natural and Environmental Resources (DNER)

GOBIERNO DE PUERTO RICO
JUNTA DE PLANIFICACIÓN

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Contamination and Toxic Substances (Multifamily and Non-Residential Properties) – PARTNER

https://www.hudexchange.info/programs/environmental-review/site-contamination

1. **How was site contamination evaluated?** [1] **Select all that apply.**

   ☒ ASTM Phase I ESA
   ☐ ASTM Phase II ESA
   ☐ Remediation or clean-up plan
   ☐ ASTM Vapor Encroachment Screening
   ☐ None of the above

   → *Provide documentation and reports and explain how site contamination was evaluated in the Worksheet Summary.*
   Continue to Question 2.

2. **Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property? (Were any recognized environmental conditions or RECs identified in a Phase I ESA and confirmed in a Phase II ESA?)**

   ☒ No → **Explain below.**

   Using the NEPAssist app of the Environmental Protection Agency, no superfund sites or Brownfields are listed in the area or nearby areas. There are several facilities inside a 3,000 ft radius. These include hazardous waste facilities, air emissions facilities, and toxic release inventory sites. The ECHO reports for each of the sites indicates that no violations has been generated at the site. The map generated by the NEPAssist is attached.

   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

   ☐ Yes → *Describe the findings, including any recognized environmental conditions (RECs), in Worksheet Summary below. Continue to Question 3.*

[1] HUD regulations at 24 CFR § 58.5(i)(2)(ii) require that the environmental review for multifamily housing with five or more dwelling units or non-residential property include the evaluation of previous uses of the site or other evidence of contamination on or near the site. For acquisition and new construction of multifamily and nonresidential properties HUD strongly advises the review include an ASTM Phase I Environmental Site Assessment (ESA) to meet real estate transaction standards of due diligence and to help ensure compliance with HUD's toxic policy at 24 CFR §58.5(i) and 24 CFR §50.3(i). Also note that some HUD programs require an ASTM Phase I ESA.

3. **Can adverse environmental impacts be mitigated?**

   ☐ Adverse environmental impacts cannot feasibly be mitigated → HUD assistance may not be used for the project at this site. Project cannot proceed at this location.

   ☐ Yes, adverse environmental impacts can be eliminated through mitigation.
   → *Provide all mitigation requirements*[2] *and documents. Continue to Question 4.*

4. **Describe how compliance was achieved. Include any of the following that apply: State Voluntary Clean-up Program, a No Further Action letter, use of engineering controls**[3]**, or use of institutional controls**[4]**.**

   Click here to enter text.

   If a remediation plan or clean-up program was necessary, which standard does it follow?

   ☐ Complete removal

   ☐ Risk-based corrective action (RBCA)

   → *Continue to the Worksheet Summary.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

A Phase I Environmental Site Assessment was conducted at the site. No recognized environmental conditions were encountered after the site visit, and available information was evaluated; a copy of the ESA Phase I is included. The site was part of a US Naval Reservation up to the mid-1990s. Using the NEPAssist app of the Environmental Protection Agency, no superfund sites or Brownfields are listed in the area or nearby areas. The map generated by the NEPAssist is attached. There are twenty five hazardous waste sites, two air emissions sites, and one toxic release facility inside a 3,000 ft radius. No violations are recorded in the Enforcement and Compliance History Online (ECHO)

[2] Mitigation requirements include all clean-up actions required by applicable federal, state, tribal, or local law. Additionally, provide, as applicable, the long-term operations and maintenance plan, Remedial Action Work Plan, and other equivalent documents.

[3] Engineering controls are any physical mechanism used to contain or stabilize contamination or ensure the effectiveness of a remedial action. Engineering controls may include, without limitation, caps, covers, dikes, trenches, leachate collection systems, signs, fences, physical access controls, ground water monitoring systems and ground water containment systems including, without limitation, slurry walls and ground water pumping systems.

[4] Institutional controls are mechanisms used to limit human activities at or near a contaminated site, or to ensure the effectiveness of the remedial action over time, when contaminants remain at a site at levels above the applicable remediation standard which would allow for unrestricted use of the property. Institutional controls may include structure, land, and natural resource use restrictions, well restriction areas, classification exception areas, deed notices, and declarations of environmental restrictions.

database. Copy of the factsheets for these facilities are included. The following table summarizes the findings.

Hazardous Waste Sites in a 3,000 Feet Radius				
Facility Name	**Address**	**Database Listing / ID**	**Distance from the site (ft)**	**Clearance**
Administración de Servicios Generales	Majagua St. Building 16 San Juan, PR	RCRA 110007811939	2937.46 ft	RCRA reports indicated that no violations have been reported for this site.
Flamenco Airways Inc.	Isla Grande Airport San Juan, PR	RCRA 110007815365	592.28 ft to the north	RCRA reports indicated that no violations have been reported for this site.
Compañía Petrolera Caribe, Inc.	530 Ponce de León Ave. San Juan, PR	RCRA 110012555181	2509.76 ft to the east	RCRA reports indicated that no violations have been reported for this site.
Hato Rey Hematology Oncology Group	725 Ponce de León Avenue San Juan, PR	RCRA 110037441694	1391.62 ft to the east	RCRA reports indicated that no violations have been reported for this site.
US Naval Sea Systems Perez & Co.	Miraflores COR Villa Verde San Juan, PR	RCRA 110006869193	997.44 ft to the west	RCRA reports indicated that no violations have been reported for this site.
United Battery Corp.	Central Avenue Rio Piedras, PR	RCRA 110007809185	921.21 ft	RCRA reports indicated that no violations have been reported for this site.
Miramar Transport Corp.	619 Fernandez Juncos Ave. San Juan, PR	RCRA 110004889112	132.24 ft to the east	RCRA reports indicated that no violations have been reported for this site
Caribe Hilton Hotel	1 Calle San Gerónimo San Juan, PR	RCRA 110038910603	2146.97 ft to the south	RCRA reports indicated that no violations have been reported for this site
San Juan Gas Co.	Marginal Sur Parada 12 Miramar San Juan, PR	RCRA 110007803378	652.74 ft to the south	RCRA reports indicated that no violations have been reported for this site
Residential Building	649 Concordia St. San Juan, PR	RCRA 110016712967	1847.01 ft to the west	RCRA reports indicated that no violations have been reported for this site
ESSO Standard Oil Co.	Ponce de León Ave, and Madrid Ave. San Juan, PR	RCRA 110007816006	1312.30 to the east	RCRA reports indicated that no violations have been reported for this site

Hazardous Waste Sites in a 3,000 Feet Radius				
Facility Name	**Address**	**Database Listing / ID**	**Distance from the site (ft)**	**Clearance**
UPR Central Administration	PR-1 km 12.9 San Juan, PR	RCRA 110012220444	1610.15 ft to the east	RCRA reports indicated that no violations have been reported for this site
Caribbean Aircraft Maintenance	Isla Grande Airport	RCRA 110007815356	592.28 ft to the north	RCRA reports indicated that no violations have been reported for this site
Farmacia El Amal	Baldorioty de Castro Ave. San Juan	RCRA 110007904679	2250.81 ft to the east	RCRA reports indicated that no violations have been reported for this site
Shell Co. PR, LTD.	956 Cerra and Las Palmas st. San Juan, PR	RCRA 110007819762	2934.94 ft to the south	RCRA reports indicated that no violations have been reported for this site
Education Department - Printing	705 Hoare st. San Juan, PR	RCRA 110009436743	2353.68 ft to the west	RCRA reports indicated that no violations have been reported for this site
Mecánica Don Pochy	1014 Fernandez Juncos Ave. San Juan, PR	RCRA 110041695939	2912.12 ft to the east	RCRA reports indicated that no violations have been reported for this site
AT&T San Juan	901 Ponce de León Ave. San Juan, PR	RCRA 110044299112	2202.70 ft to the east	RCRA reports indicated that no violations have been reported for this site
Dawn Princess	408 Fernandez Juncos Ave. San Juan, PR	RCRA 110004895515	2910.85 ft to the east	RCRA reports indicated that no violations have been reported for this site
US ARMY Aviation Support Facility	Isla Grande Airport Hangar 21 San Juan, PR	RCRA 110007803797	1003.55 ft to the north	RCRA reports indicated that no violations have been reported for this site
Miramar Dry Cleaners	900 Fernandez Juncos Ave. San Juan, PR	RCRA 110055472563	2046.53 ft to the east	RCRA reports indicated that no violations have been reported for this site
Perez y CIA Ship Repair Division	Calle Miraflores San Juan, Pr	RCRA 110007815392	863.53 to the west	RCRA reports indicated that no violations have been reported for this site
Laboratory de Fotografía Criminal	601 Roosevelt Ave San Juan, PR	RCRA 110022481143	390.78 ft to the south	RCRA reports indicated that no violations have been reported for this site

Hazardous Waste Sites in a 3,000 Feet Radius				
Facility Name	**Address**	**Database Listing / ID**	**Distance from the site (ft)**	**Clearance**
FDA San Juan Campus	466 Fernandez Juncos Ave. San Juan, PR	RCRA 110004889602	2796.35 ft to the south	RCRA reports indicated that no violations have been reported for this site
Sun Princess	408 Fernandez Juncos San Juan, PR	RCRA 110009438019	2910.85 ft to the south	RCRA reports indicated that no violations have been reported for this site

Air Emissions Sites in a 3000 Radius				
Facility Name	**Address**	**Database Listing / ID**	**Distance from the site (ft)**	**Clearance**
Prestige Dry Cleaners	900 Fernandez Juncos Ave. San Juan, PR	PR0000007212700174 PFE-65-1204-1894-I-II	2041.33	The enforcement and compliance summary indicates that no violations of the Clean Air Act have been identified at the site.
Caribe Hilton Hotel	San Gerónimo Ave. San Juan, PR	PR0000007212700026 PFE-65-0286-0092-II	2125.24	The enforcement and compliance summary indicates that no violations of the Clean Air Act have been identified at the site.

Toxic Release Sites in a 3000 Radius				
Facility Name	**Address**	**Database Listing / ID**	**Distance from the site (ft)**	**Clearance**
US ARMY Aviation Support	Hangar 21 Isla Grande Airport	110007803797	1003.55	The enforcement and compliance summary indicates that no violations of the RCRA have been identified at the site.

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US Environmental Protection Agency (//www.epa.gov)

Report question: *Within 3000 of a Hazardous waste site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
FLAMENCO AIRWAYS INC (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRO007002652)	592.28 feet

REGISTRY_ID: 110007815365
LATITUDE: 18.454919999999998
LONGITUDE: -66.08913
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PRO007002652
LOCATION_ADDRESS: ISLA GRANDE ARPRT
CITY_NAME: SAN JUAN
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00907
FIPS_CODE: 72127
HUC_CODE:

Name	Distance
☐ COMPANIA PETROLERA CARIBE INC (SAN JUAN,PR)	2509.76 feet

(https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000015099)
REGISTRY_ID: 110012555181
LATITUDE: 18.463131
LONGITUDE: -66.090268
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PRR000015099
LOCATION_ADDRESS: 530 PONCE DE LEON AVE
CITY_NAME: SAN JUAN
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00901
FIPS_CODE: 72127
HUC_CODE:

☐ HATO REY HEMATOLOGY ONCOLOGY GROUP (SAN JUAN,PR) — 1391.62 feet

(https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRN008019416)
REGISTRY_ID: 110037441694
LATITUDE: 18.455655
LONGITUDE: -66.082849
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PRN008019416
LOCATION_ADDRESS: 725 PONCE DE LEON AVE STE 701
CITY_NAME: SAN JUAN
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00922
FIPS_CODE: 72127
HUC_CODE:

☐ US NAVY NAVAL SEA SYSTEMS PEREZ & CO PR (SAN JUAN,PR) — 997.44 feet

(https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PR9170027339)
REGISTRY_ID: 110006869193
LATITUDE: 18.451801
LONGITUDE: -66.087605
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PR9170027339
LOCATION_ADDRESS: MIRAFLORES COR VILLA VERDE
CITY_NAME: SAN JUAN
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00907
FIPS_CODE: 72127
HUC_CODE:

☐ ADM SERVICIOS GENERALES (SAN JUAN,PR) — 2937.46 feet

(https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRD987378411)
REGISTRY_ID: 110007811939
LATITUDE: 18.45177
LONGITUDE: -66.09534
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PRD987378411
LOCATION_ADDRESS: MAJAGUA ST BLDG 16
CITY_NAME: SAN JUAN
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00905
FIPS_CODE: 72127
HUC_CODE:

Name	Distance
☐ UNITED BATTERY CORP (RIO PIEDRAS,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRD981184674) **REGISTRY_ID:** 110007809185 **LATITUDE:** 18.45218 **LONGITUDE:** -66.08615999999999 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRD981184674 **LOCATION_ADDRESS:** CENTRAL AVENUE **CITY_NAME:** RIO PIEDRAS **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00907 **FIPS_CODE:** 72127 **HUC_CODE:**	921.21 feet
☐ MIRAMAR TRANSPORT CORP (SANTURCE,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRD980526537) **REGISTRY_ID:** 110004889112 **LATITUDE:** 18.454175 **LONGITUDE:** -66.08738699999999 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRD980526537 **LOCATION_ADDRESS:** 619 AVE MANUEL FERNANDEZ JUNCOS **CITY_NAME:** SANTURCE **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00908 **FIPS_CODE:** 72127 **HUC_CODE:**	132.24 feet
☐ CARIBE HILTON HOTEL (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000022095) **REGISTRY_ID:** 110038910603 **LATITUDE:** 18.46266 **LONGITUDE:** -66.08603 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRR000022095 **LOCATION_ADDRESS:** 1 CALLE SAN GERONIMO **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00901 **FIPS_CODE:** 72127 **HUC_CODE:**	2146.97 feet
☐ SAN JUAN GAS CO (SANTURCE,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PR0000843318) **REGISTRY_ID:** 110007803378 **LATITUDE:** 18.45655 **LONGITUDE:** -66.08484 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PR0000843318 **LOCATION_ADDRESS:** MARGINAL SUR PDA 12 MIRAMAR **CITY_NAME:** SANTURCE **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00919 **FIPS_CODE:** 72127 **HUC_CODE:**	652.74 feet

Name	Distance
☐ RESIDENTIAL BUILDING 649 CONCORDIA ST (SAN JUAN,PR)	1847.01 feet

(https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000016782)
REGISTRY_ID: 110016712967
LATITUDE: 18.453609999999998
LONGITUDE: -66.08182
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PRR000016782
LOCATION_ADDRESS: 649 CONCORDIA ST
CITY_NAME: SAN JUAN
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00907
FIPS_CODE: 72127
HUC_CODE:

☐ ESSO STANDARD OIL CO - PR CO-035 (SANTURCE,PR)	1312.30 feet

(https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000000422)
REGISTRY_ID: 110007816006
LATITUDE: 18.455759999999998
LONGITUDE: -66.08306
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PRR000000422
LOCATION_ADDRESS: AVE PONCE DE LEON & AVE MADRID
CITY_NAME: SANTURCE
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00907-3458
FIPS_CODE: 72127
HUC_CODE:

☐ U P R - CENTRAL ADMINISTRATION (RIO PIEDRAS,PR)	1610.15 feet

(https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000014803)
REGISTRY_ID: 110012220444
LATITUDE: 18.461185
LONGITUDE: -66.088245
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PRR000014803
LOCATION_ADDRESS: RD 1 KM 12.9 AGRICULTURAL
CITY_NAME: RIO PIEDRAS
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00936
FIPS_CODE: 72127
HUC_CODE:

☐ CARIBBEAN AIRCARFT MAINT (SAN JUAN,PR)	592.28 feet

(https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRO007002678)
REGISTRY_ID: 110007815356
LATITUDE: 18.454919999999998
LONGITUDE: -66.08913
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: PRO007002678
LOCATION_ADDRESS: ISLA GRANDE ARPRT
CITY_NAME: SAN JUAN
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00931
FIPS_CODE: 72127
HUC_CODE:

Name	Distance
☐ CARIBBEAN AIRCARFT MAINT (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRO007002645) **REGISTRY_ID:** 110007815356 **LATITUDE:** 18.454919999999998 **LONGITUDE:** -66.08913 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRO007002645 **LOCATION_ADDRESS:** ISLA GRANDE ARPRT **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00931 **FIPS_CODE:** 72127 **HUC_CODE:**	592.28 feet
☐ FARMACIA EL AMAL #9 (SANTURCE,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000013862) **REGISTRY_ID:** 110007904679 **LATITUDE:** 18.456516999999998 **LONGITUDE:** -66.080221 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRR000013862 **LOCATION_ADDRESS:** AVE BALDORIOTY DE CASTRO **CITY_NAME:** SANTURCE **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00907 **FIPS_CODE:** 72127 **HUC_CODE:**	2250.81 feet
☐ SHELL CO PR LTD SS 804819 CALLE CERRA (SANTURCE,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000006296) **REGISTRY_ID:** 110007819762 **LATITUDE:** 18.44885 **LONGITUDE:** -66.08107 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRR000006296 **LOCATION_ADDRESS:** 956 CERRA & LAS PALMAS ST **CITY_NAME:** SANTURCE **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00911 **FIPS_CODE:** 72127 **HUC_CODE:**	2934.94 feet
☐ DEPT OF ED - IMPRENTA (SANTURCE,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRD987379278) **REGISTRY_ID:** 110009436743 **LATITUDE:** 18.451314 **LONGITUDE:** -66.081181 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRD987379278 **LOCATION_ADDRESS:** HOARE 705 **CITY_NAME:** SANTURCE **COUNTY_NAME:** MAYAGUEZ **STATE_CODE:** PR **POSTAL_CODE:** 00908 **FIPS_CODE:** 72097 **HUC_CODE:**	2353.68 feet

Name	Distance
☐ MECANICA DON POCHI (SANTURCE,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRN008022246) **REGISTRY_ID:** 110041695939 **LATITUDE:** 18.450964 **LONGITUDE:** -66.079548 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRN008022246 **LOCATION_ADDRESS:** 1014 AVE MANUEL FERNANDEZ JUNCOS **CITY_NAME:** SANTURCE **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00907 **FIPS_CODE:** 72127 **HUC_CODE:**	2912.12 feet
☐ A T & T (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000023895) **REGISTRY_ID:** 110044299112 **LATITUDE:** 18.45468 **LONGITUDE:** -66.08067 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRR000023895 **LOCATION_ADDRESS:** 901 PONCE DELEON AVE **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00907 **FIPS_CODE:** 72127 **HUC_CODE:**	2202.70 feet
☐ DAWN PRINCESS (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000012310) **REGISTRY_ID:** 110004895515 **LATITUDE:** 18.46257 **LONGITUDE:** -66.09312 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRR000012310 **LOCATION_ADDRESS:** 408 FERNANDEZ JUNCOS AVE **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 009013202 **FIPS_CODE:** 72127 **HUC_CODE:**	2910.85 feet
☐ U.S. ARMY AVIATION SUPPORT FACILITY (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PR7570043110) **REGISTRY_ID:** 110007803797 **LATITUDE:** 18.45551 **LONGITUDE:** -66.09037 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PR7570043110 **LOCATION_ADDRESS:** HANGAR 21 ISLA GRANDE **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00901 **FIPS_CODE:** 72127 **HUC_CODE:**	1003.55 feet

Name	Distance
☐ MIRAMAR DRY CLEANERS (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRN008025595) **REGISTRY_ID:** 110055472563 **LATITUDE:** 18.45187 **LONGITUDE:** -66.08187 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRN008025595 **LOCATION_ADDRESS:** 900 FERNANDEZ JUNCOS AVE **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 009707 **FIPS_CODE:** 72127 **HUC_CODE:**	2046.53 feet
☐ PEREZ Y CIA SHIP REPAIR DIVISION (MIRAMAR,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRO007002686) **REGISTRY_ID:** 110007815392 **LATITUDE:** 18.45217 **LONGITUDE:** -66.08716 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRO007002686 **LOCATION_ADDRESS:** CALLE MIRA FLORES ESQ **CITY_NAME:** MIRAMAR **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00907 **FIPS_CODE:** 72127 **HUC_CODE:**	863.53 feet
☐ LABORATORIO DE FOTOGRAFIA CRIMINAL (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000017780) **REGISTRY_ID:** 110022481143 **LATITUDE:** 18.454349999999998 **LONGITUDE:** -66.08595 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRR000017780 **LOCATION_ADDRESS:** 601 ROOSEVELT AVE **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 00918 **FIPS_CODE:** 72127 **HUC_CODE:**	390.78 feet
☐ FOOD & DRUG ADMIN (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRD987370855) **REGISTRY_ID:** 110004889602 **LATITUDE:** 18.46249 **LONGITUDE:** -66.09273 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRD987370855 **LOCATION_ADDRESS:** 466 FERNANDEZ JUNCOS AVE **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 009013223 **FIPS_CODE:** 72127 **HUC_CODE:**	2796.35 feet

Name	Distance
☐ SUN PRINCESS (SAN JUAN,PR) (https://ofmpub.epa.gov/enviro/rcrainfoquery_3.facility_information?pgm_sys_id=PRR000012328) **REGISTRY_ID:** 110009438019 **LATITUDE:** 18.46257 **LONGITUDE:** -66.09312 **PGM_SYS_ACRNM:** RCRAINFO **PGM_SYS_ID:** PRR000012328 **LOCATION_ADDRESS:** 408 FERNANDEZ JUNCOS AVE **CITY_NAME:** SAN JUAN **COUNTY_NAME:** SAN JUAN **STATE_CODE:** PR **POSTAL_CODE:** 009013202 **FIPS_CODE:** 72127 **HUC_CODE:**	2910.85 feet

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US Environmental Protection Agency (//www.epa.gov)

Report question: *Within 3000 of a Toxic releases site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name	Distance
U.S. ARMY AVIATION SUPPORT FACILITY (SAN JUAN,PR) (http://ofmpub.epa.gov/enviro/tris_control_v2.tris_print?tris_id=00904RMYVTISLAG)	1003.55 feet

REGISTRY_ID: 110007803797
LATITUDE: 18.45551
LONGITUDE: -66.09037
PGM_SYS_ACRNM: TRIS
PGM_SYS_ID: 00904RMYVTISLAG
LOCATION_ADDRESS: HANGAR 21 ISLA GRANDE
CITY_NAME: SAN JUAN
COUNTY_NAME: SAN JUAN
STATE_CODE: PR
POSTAL_CODE: 00901
FIPS_CODE: 72127
HUC_CODE:

ECHO Enforcement and Compliance History Online

<https://echo.epa.gov/>

Detailed Facility Report

ECHO

Detailed Facility Report

Facility Summary

PRESTIGE DRY CLEANERS

900 AVENIDA FERNANDEZ JUNCOS, SAN JUAN, PR 00907

FRS (Facility Registry Service) ID: 110007023407

EPA Region: 02

Latitude: 18.45187

Longitude: -66.08187

Locational Data Source: FRS

Industries: Personal and Laundry Services

Indian Country: N

Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	03/27/2014
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): Operating Minor (PR0000007212700174)

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007023407					N	18.45187	-66.08187
ICIS-Air	CAA	PR0000007212700174	Minor Emissions	Operating	CAASIP		N	18.45187	-66.08187

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110007023407	PRESTIGE DRY CLEANERS	900 AVENIDA FERNANDEZ JUNCOS, SAN JUAN, PR 00907	San Juan Municipio
ICIS-Air	CAA	PR0000007212700174	PRESTIGE DRY CLEANERS	AVE. FERNANDEZ JUNCOS #900, SAN JUAN, PR 00907	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007212700174	7216	Drycleaning Plants, Except Rug

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007212700174	812320	Drycleaning and Laundry Services (except Coin-Operated)

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007212700174	No	12/02/2023	0	12/01/2023

Three-Year Compliance History by Quarter ⚠

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
CAA (Source ID: PR0000007212700174)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	HPV History												

Violation Type	Agency	Programs	Pollutants

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to (i) (•) US ( ) State

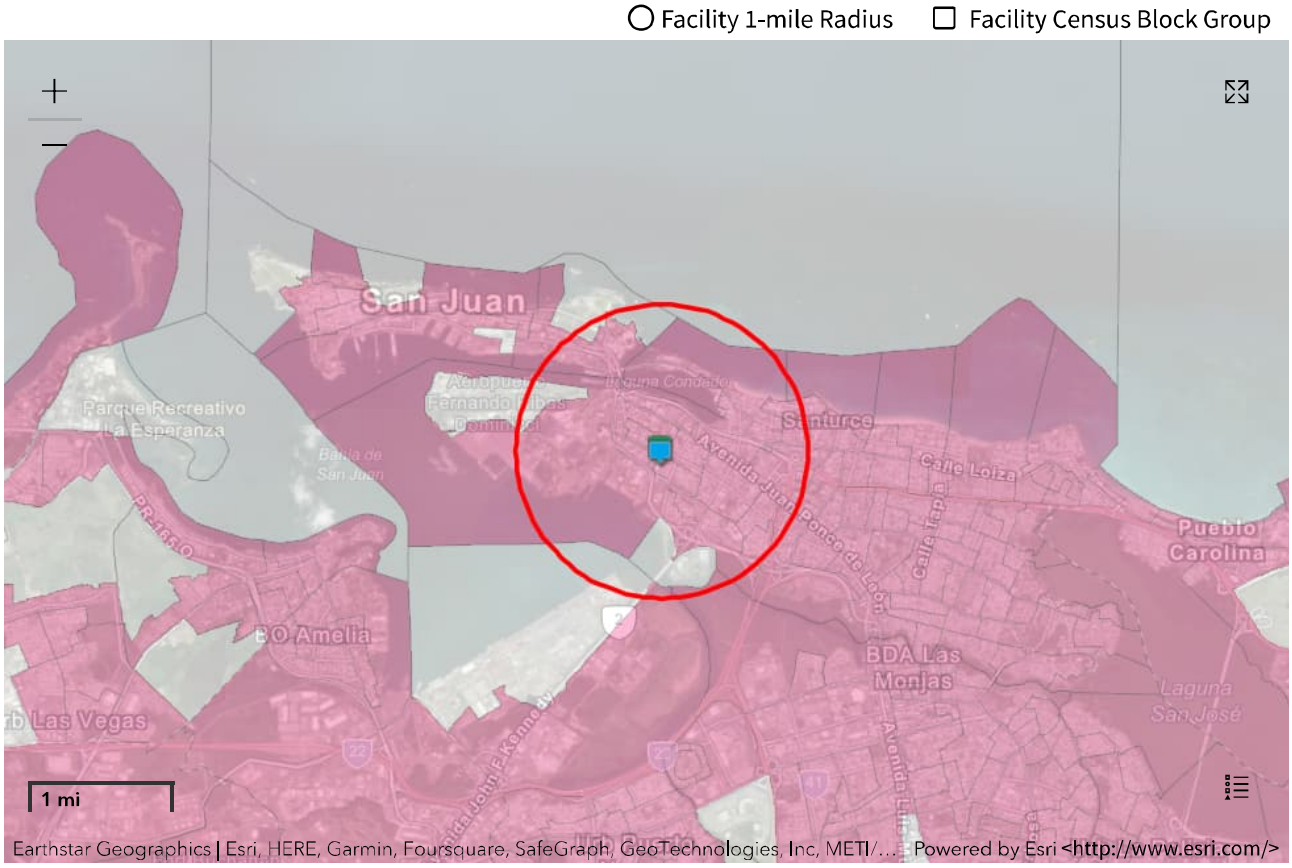
Index Type (i) ( ) Environmental Justice (•) Supplemental

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270020021	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**8**	**10**
Particulate Matter 2.5	0	--
Ozone	0	--
Diesel Particulate Matter	77	93
Air Toxics Cancer Risk	33	83
Air Toxics Respiratory Hazard Index	31	36
Toxic Releases to Air	89	97
Traffic Proximity	97	99
Lead Paint	96	99
Risk Management Plan (RMP) Facility Proximity	98	99
Hazardous Waste Proximity	92	99
Superfund Proximity	89	97
Underground Storage Tanks (UST)	98	99
Wastewater Discharge	98	99



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap

between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	17,888
Population Density	8,827/sq.mi.
Housing Units in Area	13,117

General Statistics (ACS (American Community Survey))	
Total Persons	17,147
Percent People of Color	97%
Households in Area	8,144
Households on Public Assistance	345
Persons With Low Income	7,394
Percent With Low Income	45%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.45187
Center Longitude	-66.08187
Land Area	65%
Water Area	35%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,869 (22.94%)
$15,000 - $25,000	1,038 (12.74%)
$25,000 - $50,000	1,854 (22.76%)
$50,000 - $75,000	967 (11.87%)
Greater than $75,000	2,419 (29.69%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	662 (4%)
Minors 17 years and younger	2,593 (15%)
Adults 18 years and older	15,295 (86%)
Seniors 65 years and older	3,975 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	12,679 (71%)
African-American	2,723 (15%)
Hispanic-Origin	17,015 (95%)
Asian/Pacific Islander	184 (1%)
American Indian	176 (1%)
Other/Multiracial	2,127 (12%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	882 (6.11%)
9th through 12th Grade	457 (3.17%)
High School Diploma	2,396 (16.6%)
Some College/2-year	1,569 (10.87%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	8,068 (55.91%)

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<https://www.epa.gov/grants>

No FEAR Act Data
<https://www.epa.gov/ocr/whistleblower-protections-epa-and-how-they-relate-non-disclosure-agreements-signed-epa-employees>

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Last updated on
September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

ECHO Enforcement and Compliance History Online

<https://echo.epa.gov/>

Detailed Facility Report

ECHO

Detailed Facility Report

Facility Summary

PUERTO RICO ARMY NATIONAL GUARD - ARMY AVIATION SUPPORT FACILITY

HANGAR 21 ISLA GRANDE, SAN JUAN, PR 00901

FRS (Facility Registry Service) ID: 110007803797

EPA Region: 02

Latitude: 18.454961

Longitude: -66.089421

Locational Data Source: RCRAINFO

Industries: National Security and International Affairs

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	–
Date of Last Compliance Monitoring Activity	–
Compliance Status	–
Qtrs in Noncompliance (of 12)	–
Qtrs with Significant Violation	–
Informal Enforcement Actions (5 years)	–
Formal Enforcement Actions (5 years)	–
Penalties from Formal Enforcement Actions (5 years)	–
EPA Cases (5 years)	–
Penalties from EPA Cases (5 years)	--

Statute	RCRA
Compliance Monitoring Activities (5 years)	–
Date of Last Compliance Monitoring Activity	05/22/2014
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	–
Formal Enforcement Actions (5 years)	–
Penalties from Formal Enforcement Actions (5 years)	–
EPA Cases (5 years)	–
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PR7570043110)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00904RMYVTISLAG

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007803797					N	18.454961	-66.089421
ICIS		3400093393					N	18.461944	-66.085278
SEMS	CERCLA	PRSFN0204194					N	18.458333	-66.095278
TRI	EP313	00904RMYVTISLAG	Toxics Release Inventory	Last Reported for 1994			N	18.461944	-66.085278
RCRAInfo	RCRA	PR7570043110	VSQG	Active (H)			N	18.454961	-66.089421

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007803797	PUERTO RICO ARMY NATIONAL GUARD - ARMY AVIATION SUPPORT FACILITY	HANGAR 21 ISLA GRANDE, SAN JUAN, PR 00901	San Juan Municipio
ICIS		3400093393	ARMY AVIATION SUPPORT FACILITY	HANGAR 21 ISLA GRANDE, SAN JUAN, PR 00901	San Juan Municipio
SEMS	CERCLA	PRSFN0204194	NEW ARMY AVIATION SUPPORT	ISLA GRANDE ROAD OFF HACIA FERNANDEZ, SAN JUAN, PR	
TRI	EP313	00904RMYVTISLAG	US ARMY AVIATION SUPPORT FACILITY	ISLA GRANDE FLYING AREA, SAN JUAN, PR 00904	San Juan Municipio
RCRAInfo	RCRA	PR7570043110	ARMY AVIATION SUPPORT FACILITY	HANGAR 21 ISLA GRANDE, SAN JUAN, PR 00902-3786	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00904RMYVTISLAG	928110	National Security
RCRAInfo	PR7570043110	92811	National Security

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PR7570043110	No	12/02/2023	0	12/01/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PR7570043110)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	–	No	–
Lead	No	–	No	–
Particulate Matter	No	–	No	–
Carbon Monoxide	No	–	No	–
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	–

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to (i) (•) US ( ) State

Index Type (i) ( ) Environmental Justice (•) Supplemental

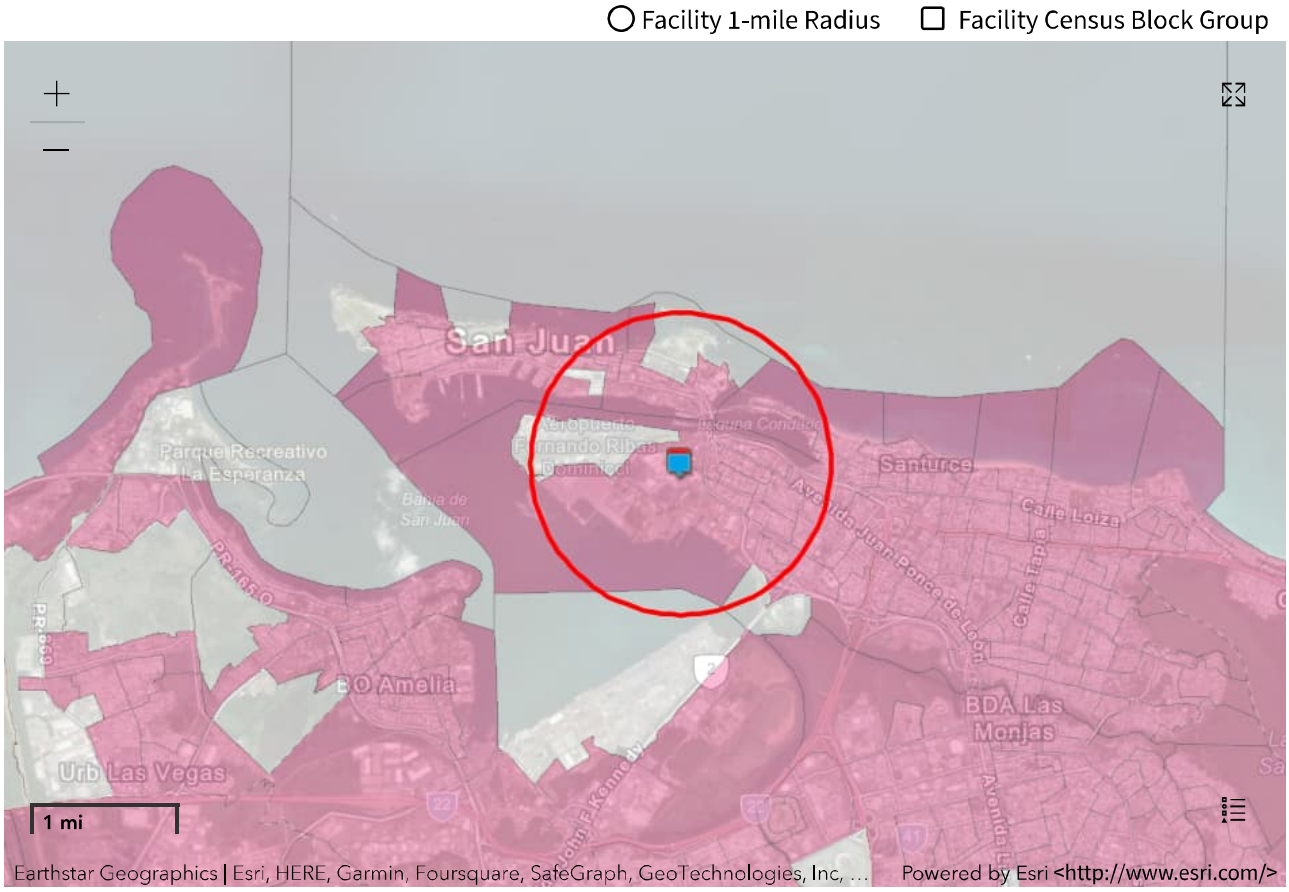
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270042002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	**9**	**10**
Particulate Matter 2.5	0	–
Ozone	0	–
Diesel Particulate Matter	(!) 89	(!) 99
Air Toxics Cancer Risk	35	(!) 95
Air Toxics Respiratory Hazard Index	36	37
Toxic Releases to Air	(!) 97	(!) 98
Traffic Proximity	(!) 99	(!) 99
Lead Paint	(!) 98	(!) 99
Risk Management Plan (RMP) Facility Proximity	(!) 99	(!) 99
Hazardous Waste Proximity	(!) 98	(!) 98
Superfund Proximity	(!) 96	(!) 98
Underground Storage Tanks (UST)	(!) 99	(!) 99

Census Block Group ID: 721270042002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Wastewater Discharge	99	99



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	12,459
Population Density	6,861/sq.mi.
Housing Units in Area	9,158

General Statistics (ACS (American Community Survey))	
Total Persons	12,129
Percent People of Color	98%
Households in Area	5,328
Households on Public Assistance	257
Persons With Low Income	4,962
Percent With Low Income	45%

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	455 (4%)
Minors 17 years and younger	1,825 (15%)
Adults 18 years and older	10,634 (85%)
Seniors 65 years and older	2,768 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	8,880 (71%)
African-American	2,040 (16%)
Hispanic-Origin	11,878 (95%)
Asian/Pacific Islander	131 (1%)
American Indian	89 (1%)

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.454961
Center Longitude	-66.089421
Land Area	59%
Water Area	41%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,264 (23.72%)
$15,000 - $25,000	652 (12.24%)
$25,000 - $50,000	1,088 (20.42%)
$50,000 - $75,000	626 (11.75%)
Greater than $75,000	1,698 (31.87%)

Race Breakdown (U.S. Census) - Persons (%)	
Other/Multiracial	1,319 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	491 (4.88%)
9th through 12th Grade	380 (3.78%)
High School Diploma	1,846 (18.36%)
Some College/2-year	1,057 (10.52%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,585 (55.56%)

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Last updated on September 21, 2022

Data Refresh Information

<https://epa.gov/resources/echo-data/about-the-data#sources>

MENU

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ECHO Enforcement and Compliance History Online

<https://echo.epa.gov/>

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Facility Search Results

Missouri, Nebraska, North Carolina, Pennsylvania, Vermont, Washington, West Virginia, and Wisconsin are working with EPA to fix problems with their Clean Water Act violation data.

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environmental-vio

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help>

Map Legend **Basemap Options**

EJScreen Add EJ Summary Map Supplemental Indexes (US)

Facility Summary

Select a facility row from the search results table.

Zoom To: Enter city, state, and/or zip cod

Customize Columns **Download Data** **Quick CSV Download**

Source Data <https://epa.gov/resources/echo-data/about-the-data>

Results Guide <https://epa.gov/help/facility-search/all-data-search-results-help#results>

Current Search

1 Facilities Found

Selected Criteria

Media Program: All Media Programs

Facility Name or ID: 110007811939

Explore Enforcement and Compliance Criteria

- **0** Facilities with Current Violations
- **0** Facilities with Significant Violations
- **0** Facilities with Violations (3 years)
- **0** Facilities with Formal Enforcement Actions (5 years)
- **0** Facilities with Informal Enforcement Actions (5 years)

Modify Search

Filter Facilities

Not Filtering on 1 Facilities

- [x] Only Show Matches

Reports Legend <https://epa.gov/help/facility-search/search-results-reports-legend>

Facility Name	Mapped	Street Address	City	State	FRS ID
ADM SERVICIOS GENERALES		MAJAGUA ST BLDG 16	SAN JUAN	PR	110007811939

Facility Characteristics

Facility Type

- **0** Major
- **1** Non-Major

Facility Permit/ID

- **0** Has Water Permit (ICIS-NPDES)
- **0** Has ICIS-Air ID
- **1** Has RCRA ID
- **0** Has TRI Releases

Enforcement and Compliance Characteristics

- **0** Facilities with Violations (1 or more quarters within the past 3 years)

1 2 3 4 5 6 7 8 9 10 11 12

Facilities with Formal Enforcement Actions (5 yrs)

- **0** Yes
- **1** No

1 2 3 4 5

Facilities with Informal Enforcement Actions (5 yrs)

- **0** Yes
- **1** No

1 2 3 4 5

Facilities with Compliance Monitoring Activities within Date Range

- [ ] **0** Yes
- [ ] **1** No

mm/d

mm/d

Community

- [ ] **1** Facilities Located in Areas with Supplemental Indexes At or Above 80th Percentile (US)

Any 1 or More | 4 or More | 7 or More | 10 or More

Layers

Each map layer requires a specific map scale for display. Layers are only available for selection if the map is zoomed in to a sufficient scale. Zoom in further to enable selection of additional layers. Note that adding multiple overlapping map layers may cause performance issues in the browser and display.

- [ ] Do not show again

Current Zoom: 100%

▶ **EJScreen Maps**

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Detailed Facility Report

Detailed Facility Report

Facility Summary

A T & T

901 PONCE DELEON AVE, SAN JUAN, PR 00907

FRS (Facility Registry Service) ID: 110044299112

EPA Region: 02

Latitude: 18.45468

Longitude: -66.08067

Locational Data Source: FRS

Industries: Telecommunications

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active Other, (PRR000023895)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110044299112					N	18.45468	-66.08067
ICIS		3400049913					N	18.45462	-66.064621
RCRAInfo	RCRA	PRR000023895	Other	Active (H)			N	18.452572	-66.077229

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110044299112	A T & T	901 PONCE DELEON AVE, SAN JUAN, PR 00907	San Juan Municipio
ICIS		3400049913	AT&T WIRELESS SANTURCE SWTICH	901 AVENIDA JUAN PONCE DE LEON, SANTURCE, PR 09007	San Juan Municipio
RCRAInfo	RCRA	PRR000023895	A T & T	901 PONCE DELEON AVE, SAN JUAN, PR 00907	San Juan Municipio

Facility SIC (Standard Industrial

Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000023895	51711	Wired and Wireless Telecommunications Carriers (except Satellite)

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000023895	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000023895)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to (i) (•) US ( ) State

Index Type (i) ( ) Environmental Justice (•) Supplemental

Related Reports

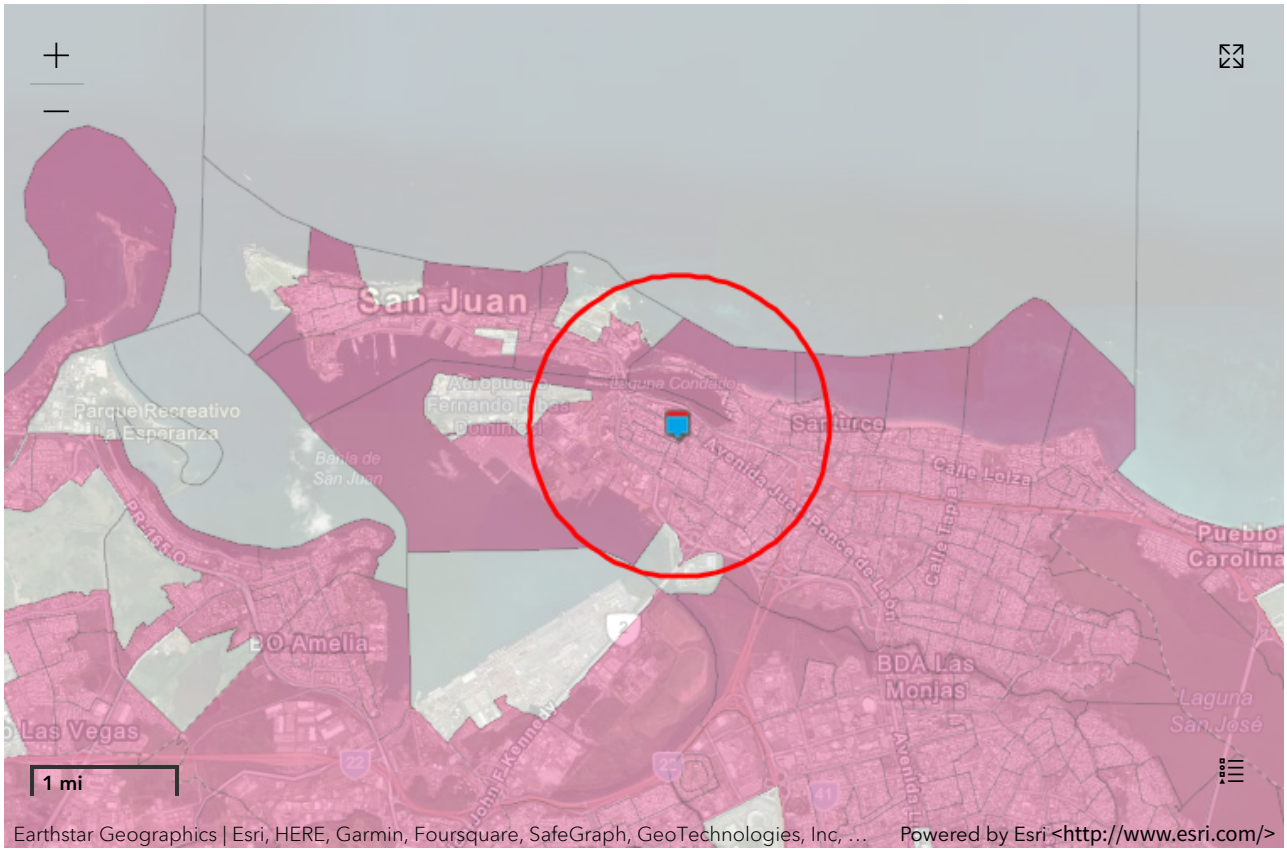
EJScreen Community Report

Download Data

Census Block Group ID: 721270019001	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	3	9

Census Block Group ID: 721270019001	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	50	! 89
Air Toxics Cancer Risk	36	53
Air Toxics Respiratory Hazard Index	22	35
Toxic Releases to Air	64	! 97
Traffic Proximity	! 84	! 99
Lead Paint	58	! 99
Risk Management Plan (RMP) Facility Proximity	! 81	! 99
Hazardous Waste Proximity	70	! 98
Superfund Proximity	65	! 96
Underground Storage Tanks (UST)	0	! 99
Wastewater Discharge	! 86	! 99

○ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	18,505
Population Density	9,528/sq.mi.
Housing Units in Area	13,553

General Statistics (ACS (American Community Survey))	
Total Persons	17,407
Percent People of Color	97%
Households in Area	8,311
Households on Public Assistance	339
Persons With Low Income	7,185
Percent With Low Income	43%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.45468
Center Longitude	-66.08067
Land Area	69%
Water Area	31%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,821 (21.91%)
$15,000 - $25,000	1,007 (12.12%)
$25,000 - $50,000	1,934 (23.27%)
$50,000 - $75,000	983 (11.83%)
Greater than $75,000	2,567 (30.88%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	680 (4%)
Minors 17 years and younger	2,703 (15%)
Adults 18 years and older	15,802 (85%)
Seniors 65 years and older	4,168 (23%)

Race Breakdown (U.S. Census) - Persons (%)	
White	13,318 (72%)
African-American	2,736 (15%)
Hispanic-Origin	17,543 (95%)
Asian/Pacific Islander	188 (1%)
American Indian	180 (1%)
Other/Multiracial	2,083 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	853 (5.79%)
9th through 12th Grade	467 (3.17%)
High School Diploma	2,352 (15.97%)
Some College/2-year	1,605 (10.9%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	8,387 (56.95%)

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Detailed Facility Report

Detailed Facility Report

Facility Summary

CARIBBEAN AIRCARFT MAINT

ISLA GRANDE ARPRT, SAN JUAN, PR 00931

FRS (Facility Registry Service) ID: 110007815356

EPA Region: 02

Latitude: 18.45492

Longitude: -66.08913

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	04/23/1998
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRO007002645), Inactive Other, (PRO007002678)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007815356					N	18.45492	-66.08913
RCRAInfo	RCRA	PRO007002645	Other	Inactive ( )			N		
RCRAInfo	RCRA	PRO007002678	Other	Inactive ( )			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007815356	CARIBBEAN AIRCARFT MAINT	ISLA GRANDE ARPRT, SAN JUAN, PR 00931	San Juan Municipio
RCRAInfo	RCRA	PRO007002645	CARIBBEAN AIRCARFT MAINT	ISLA GRANDE ARPRT, SAN JUAN, PR 00931	San Juan Municipio
RCRAInfo	RCRA	PRO007002678	CARIBBEAN HELICORP INC	ISLA GRANDE ARPRT, SAN JUAN, PR 00918	San Juan Municipio

Facility SIC (Standard Industrial

Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRO007002645	No	11/12/2023	0	11/11/2023
RCRA	PRO007002678	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRO0007002645)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												
RCRA (Source ID: PRO0007002678)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270042002	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**9**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	! 89	! 99
Air Toxics Cancer Risk	53	54
Air Toxics Respiratory Hazard Index	35	37
Toxic Releases to Air	! 97	! 98
Traffic Proximity	! 99	! 99
Lead Paint	! 98	! 99
Risk Management Plan (RMP) Facility Proximity	! 99	! 99
Hazardous Waste Proximity	! 98	! 98
Superfund Proximity	! 96	! 98
Underground Storage Tanks (UST)	! 99	! 99
Wastewater Discharge	! 99	! 99

◯ Facility 1-mile Radius ☐ Facility Census Block Group

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	12,481
Population Density	6,833/sq.mi.
Housing Units in Area	9,224

General Statistics (ACS (American Community Survey))	
Total Persons	12,263
Percent People of Color	98%
Households in Area	5,397
Households on Public Assistance	259
Persons With Low Income	5,026
Percent With Low Income	45%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.45492
Center Longitude	-66.08913
Land Area	59%
Water Area	41%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,277 (23.66%)
$15,000 - $25,000	661 (12.25%)
$25,000 - $50,000	1,108 (20.53%)
$50,000 - $75,000	635 (11.76%)
Greater than $75,000	1,717 (31.81%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	456 (4%)
Minors 17 years and younger	1,814 (15%)
Adults 18 years and older	10,667 (85%)
Seniors 65 years and older	2,775 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	8,915 (71%)
African-American	2,020 (16%)
Hispanic-Origin	11,893 (95%)
Asian/Pacific Islander	132 (1%)
American Indian	89 (1%)
Other/Multiracial	1,324 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	501 (4.93%)
9th through 12th Grade	380 (3.74%)
High School Diploma	1,866 (18.35%)
Some College/2-year	1,073 (10.55%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,649 (55.54%)

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Enforcement and Compliance History Online

<https://echo.epa.gov/>

Detailed Facility Report

Detailed Facility Report

Facility Summary

CARIBE HILTON HOTEL

1 CALLE SAN GERONIMO, SAN JUAN, PR 00901

FRS (Facility Registry Service) ID: 110038910603

EPA Region: 02

Latitude: 18.46266

Longitude: -66.08603

Locational Data Source: FRS

Industries: Accommodation

Indian Country: N

Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	07/03/2013
Compliance Status	Not Applicable
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): Temporarily Closed Minor (PR0000007212700026)

Clean Water Act (CWA): Non-Major, (PRU020779)

Resource Conservation and Recovery Act (RCRA): Active Other, (PRR000022095)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110038910603					N	18.46266	-66.08603
ICIS-Air	CAA	PR0000007212700026	Minor Emissions	Temporarily Closed	CAASIP		N	18.463602	-66.085864
ICIS-NPDES	CWA	PRU020779	Non-Major: Unpermitted Facility				N	18.462417	-66.086083
RCRAInfo	RCRA	PRR000022095	Other	Active (H)			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110038910603	CARIBE HILTON HOTEL	1 CALLE SAN GERONIMO, SAN JUAN, PR 00901	San Juan Municipio
ICIS-Air	CAA	PR0000007212700026	CARIBE HILTON HOTEL	SAN GERO AVE MUNOZ RIVERA, SAN JUAN, PR 00903	San Juan Municipio
ICIS-NPDES	CWA	PRU020779	CARIBE HILTON HOTEL AND CONDADO LAGOON VILLAS PHASE I AND II SEWAGE COLLECTION S	1 SAN GERÓNIMO STREET, SAN JUAN, PR 00902-1873	San Juan Municipio
RCRAInfo	RCRA	PRR000022095	EL CARIBE HILTON HOTEL	1 SAN GEROMINO ST, SAN JUAN, PR 00901	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007212700026	7011	Hotels And Motels

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007212700026	622110	General Medical and Surgical Hospitals
RCRAInfo	PRR000022095	721110	Hotels (except Casino Hotels) and Motels

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007212700026	No	11/12/2023	0	11/11/2023
CWA	PRU020779	No	06/30/2023	0	11/11/2023
RCRA	PRR000022095	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
CAA (Source ID: PR0000007212700026)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	HPV History												
	Violation Type / Agency / Programs / Pollutants												

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
CWA (Source ID: PRU020779)		07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-11/11/23
	Facility-Level Status	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
	Quarterly Noncompliance Report History													

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000022095)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation / Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act) listed Aquatic Species?
210100050501	Laguna San Jose, Laguna Torrecilla, Laguna de Pinones D Watersheds	--	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PREC12	Punta del Morro to west side of Condado Bridge	Unknown	--	--	Insufficient Information	--	Insufficient Information	--

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to (i) (•) US ( ) State

Index Type (i) ( ) Environmental Justice (•) Supplemental

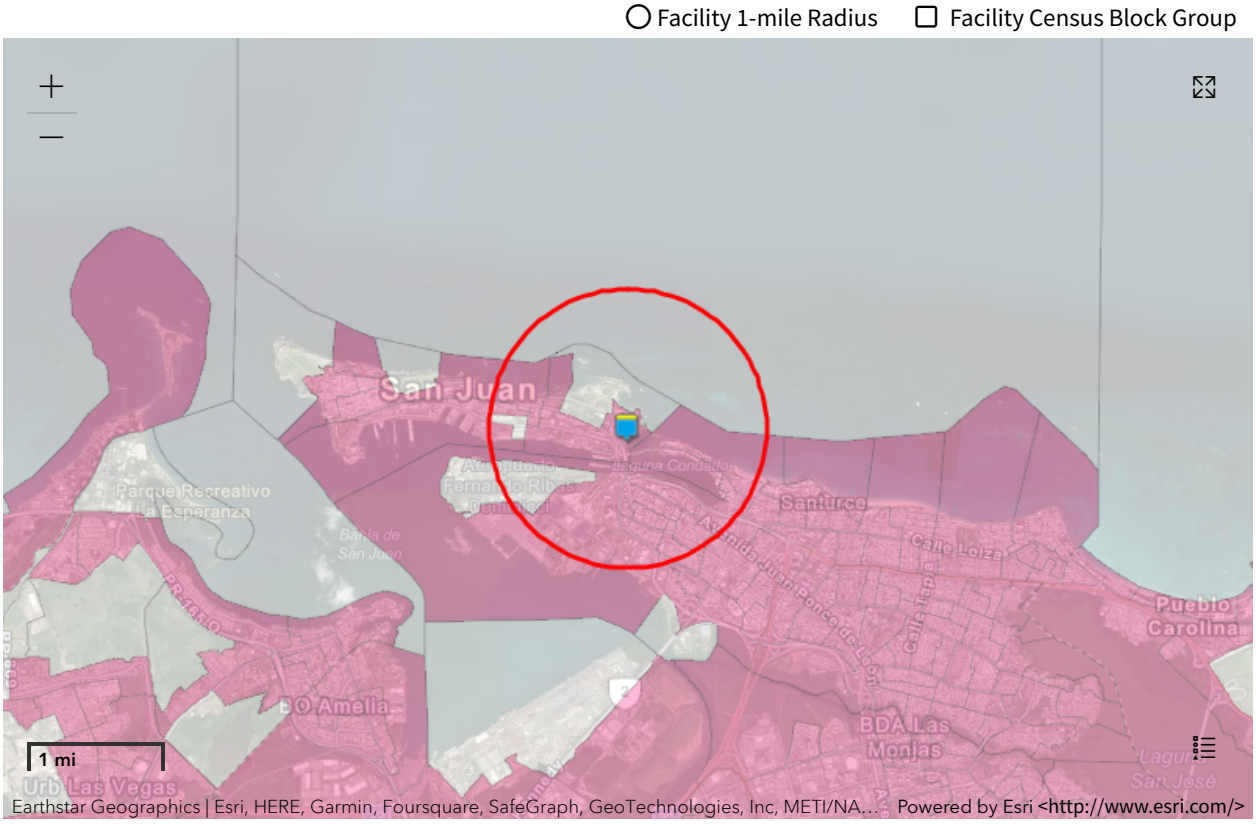
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270007002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	**9**	**9**
Particulate Matter 2.5	--	--

Census Block Group ID: 721270007002	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Ozone	--	--
Diesel Particulate Matter	! 82	! 99
Air Toxics Cancer Risk	47	54
Air Toxics Respiratory Hazard Index	29	37
Toxic Releases to Air	! 82	! 98
Traffic Proximity	! 95	! 99
Lead Paint	! 85	! 99
Risk Management Plan (RMP) Facility Proximity	! 93	! 99
Hazardous Waste Proximity	! 82	! 98
Superfund Proximity	! 83	! 98
Underground Storage Tanks (UST)	! 86	! 99
Wastewater Discharge	! 96	! 99



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	9,749
Population Density	6,993/sq.mi.
Housing Units in Area	7,599

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	327 (3%)
Minors 17 years and younger	1,303 (13%)
Adults 18 years and older	8,446 (87%)

General Statistics (ACS (American Community Survey))	
Total Persons	10,788
Percent People of Color	97%
Households in Area	4,669
Households on Public Assistance	258
Persons With Low Income	3,788
Percent With Low Income	39%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46266
Center Longitude	-66.08603
Land Area	40%
Water Area	60%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	919 (19.68%)
$15,000 - $25,000	532 (11.39%)
$25,000 - $50,000	922 (19.75%)
$50,000 - $75,000	591 (12.66%)
Greater than $75,000	1,705 (36.52%)

Age Breakdown (U.S. Census) - Persons (%)	
Seniors 65 years and older	2,315 (24%)

Race Breakdown (U.S. Census) - Persons (%)	
White	7,513 (77%)
African-American	1,212 (12%)
Hispanic-Origin	9,208 (94%)
Asian/Pacific Islander	118 (1%)
American Indian	64 (1%)
Other/Multiracial	843 (9%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	361 (3.97%)
9th through 12th Grade	328 (3.61%)
High School Diploma	1,589 (17.48%)
Some College/2-year	760 (8.36%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,513 (60.64%)

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<https://www.whitehouse.gov/>

Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

COMPANIA PETROLERA CARIBE INC

530 PONCE DE LEON AVE, SAN JUAN, PR 00901

FRS (Facility Registry Service) ID: 110012555181

EPA Region: 02

Latitude: 18.41557

Longitude: -66.05527

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000015099)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110012555181					N	18.41557	-66.05527
RCRAInfo	RCRA	PRR000015099	VSQG	Active (H)			N	18.463131	-66.090268

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110012555181	COMPANIA PETROLERA CARIBE INC	530 PONCE DE LEON AVE, SAN JUAN, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PRR000015099	COMPANIA PETROLERA CARIBE INC	530 PONCE DE LEON AVE, SAN JUAN, PR 00901	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000015099	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000015099)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

Related Reports

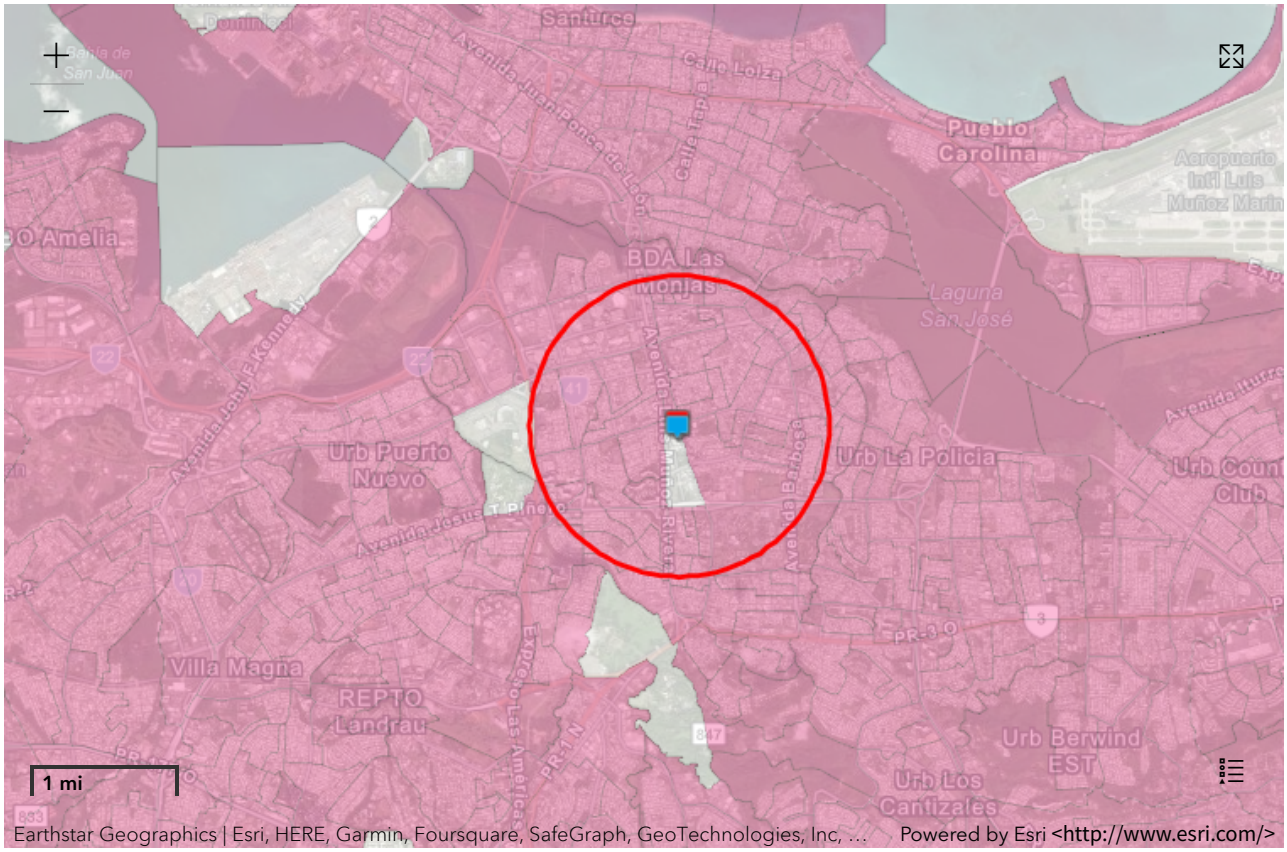
EJScreen Community Report

Download Data

Census Block Group ID: 721270066004	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	T	9

Census Block Group ID: 721270066004	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	0	94
Air Toxics Cancer Risk	0	57
Air Toxics Respiratory Hazard Index	0	42
Toxic Releases to Air	0	99
Traffic Proximity	0	99
Lead Paint	0	99
Risk Management Plan (RMP) Facility Proximity	0	99
Hazardous Waste Proximity	0	99
Superfund Proximity	0	98
Underground Storage Tanks (UST)	0	99
Wastewater Discharge	0	99

○ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	35,420
Population Density	11,326/sq.mi.
Housing Units in Area	22,470

General Statistics (ACS (American Community Survey))	
Total Persons	32,166
Percent People of Color	99%
Households in Area	14,838
Households on Public Assistance	395
Persons With Low Income	20,010
Percent With Low Income	64%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.41557
Center Longitude	-66.05527
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	5,813 (39.19%)
$15,000 - $25,000	2,355 (15.88%)
$25,000 - $50,000	2,987 (20.14%)
$50,000 - $75,000	1,593 (10.74%)
Greater than $75,000	2,086 (14.06%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	1,291 (4%)
Minors 17 years and younger	4,996 (14%)
Adults 18 years and older	30,424 (86%)
Seniors 65 years and older	7,578 (21%)

Race Breakdown (U.S. Census) - Persons (%)	
White	25,071 (71%)
African-American	5,071 (14%)
Hispanic-Origin	34,667 (98%)
Asian/Pacific Islander	253 (1%)
American Indian	247 (1%)
Other/Multiracial	4,778 (13%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	2,722 (11.06%)
9th through 12th Grade	1,040 (4.22%)
High School Diploma	4,863 (19.76%)
Some College/2-year	1,740 (7.07%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	11,360 (46.15%)

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<https://www.epa.gov/grants>

No FEAR Act Data
<https://www.epa.gov/ocr/whistleblower-protections-epa-and-how-they-relate-non-disclosure-agreements-signed-epa-employees>

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Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

DAWN PRINCESS

408 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00901

FRS (Facility Registry Service) ID: 110004895515

EPA Region: 02

Latitude: 18.46257

Longitude: -66.09312

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000012310)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004895515					N	18.46257	-66.09312
RCRAInfo	RCRA	PRR000012310	Other	Inactive ( )			N	18.462496	-66.093015

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110004895515	DAWN PRINCESS	408 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PRR000012310	DAWN PRINCESS	408 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00901-3202	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000012310	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000012310)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

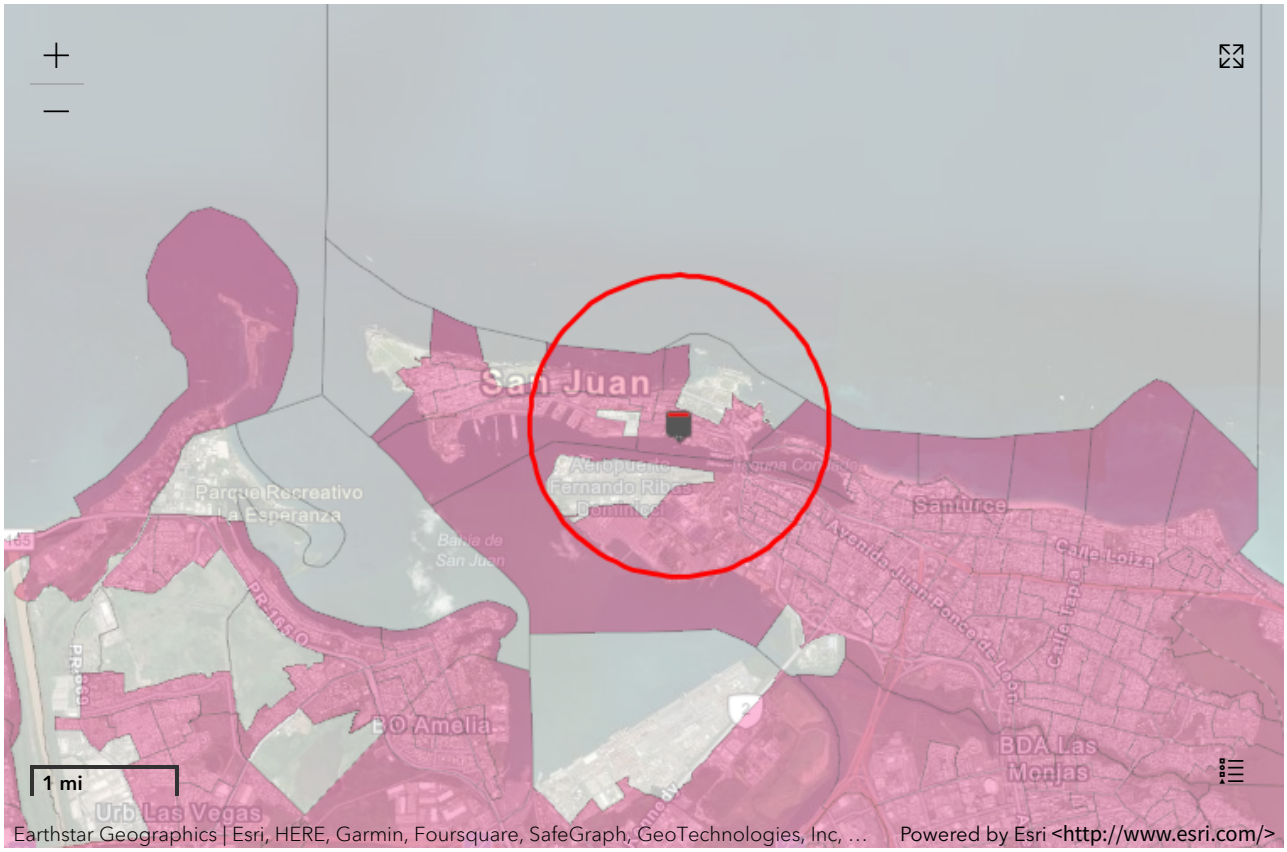
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270007002	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**9**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	! 82	! 99
Air Toxics Cancer Risk	47	54
Air Toxics Respiratory Hazard Index	29	37
Toxic Releases to Air	! 82	! 98
Traffic Proximity	! 95	! 99
Lead Paint	! 85	! 99
Risk Management Plan (RMP) Facility Proximity	! 93	! 99
Hazardous Waste Proximity	! 82	! 98
Superfund Proximity	! 83	! 98
Underground Storage Tanks (UST)	! 86	! 99
Wastewater Discharge	! 96	! 99

◯ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	6,701
Population Density	4,358/sq.mi.
Housing Units in Area	5,103

General Statistics (ACS (American Community Survey))	
Total Persons	8,073
Percent People of Color	97%
Households in Area	3,334
Households on Public Assistance	231
Persons With Low Income	3,052
Percent With Low Income	44%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46257
Center Longitude	-66.09312
Land Area	41%
Water Area	59%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	764 (22.94%)
$15,000 - $25,000	435 (13.06%)
$25,000 - $50,000	561 (16.84%)
$50,000 - $75,000	362 (10.87%)
Greater than $75,000	1,209 (36.3%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	223 (3%)
Minors 17 years and younger	957 (14%)
Adults 18 years and older	5,744 (86%)
Seniors 65 years and older	1,677 (25%)

Race Breakdown (U.S. Census) - Persons (%)	
White	5,397 (81%)
African-American	782 (12%)
Hispanic-Origin	6,405 (96%)
Asian/Pacific Islander	43 (1%)
American Indian	24 (0%)
Other/Multiracial	456 (7%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	346 (5.08%)
9th through 12th Grade	312 (4.58%)
High School Diploma	1,366 (20.07%)
Some College/2-year	555 (8.16%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	3,877 (56.97%)

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Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

MECANICA DON POCHI

1014 AVE MANUEL FERNANDEZ JUNCOS,
SANTURCE, PR 00907

FRS (Facility Registry Service) ID: 110041695939

EPA Region: 02

Latitude: 18.450964

Longitude: -66.079548

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	03/11/2010
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active Other, (PRN008022246)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110041695939					N	18.450964	-66.079548
RCRAInfo	RCRA	PRN008022246	Other	Active (H)			N	18.450755	-66.079312

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110041695939	MECANICA DON POCHI	1014 AVE MANUEL FERNANDEZ JUNCOS, SANTURCE, PR 00907	San Juan Municipio
RCRAInfo	RCRA	PRN008022246	MECANICA DON POCHI	AVE FERNANDEZ JUNCOS #1014, SANTURCE, PR 00907	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008022246	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRN008022246)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

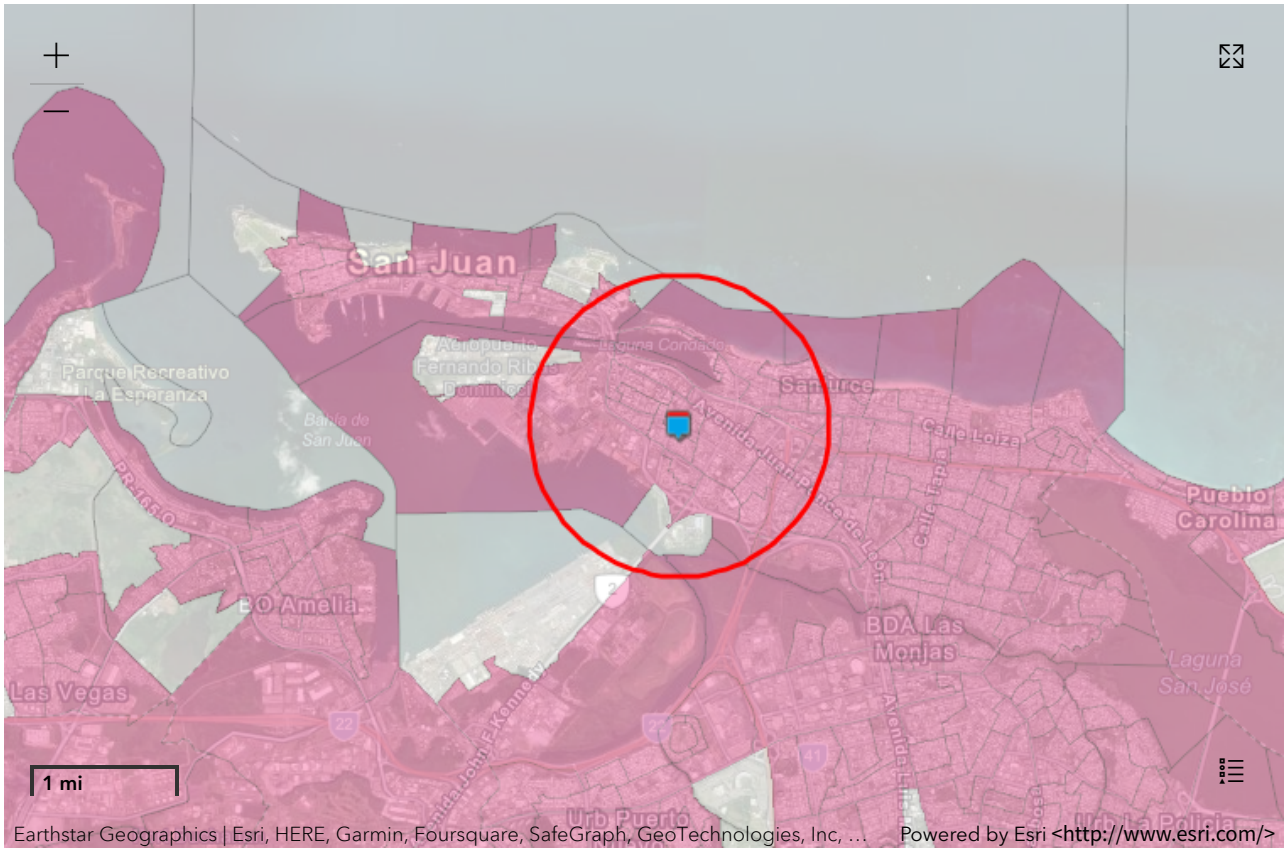
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270021001	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**8**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	70	! 93
Air Toxics Cancer Risk	48	54
Air Toxics Respiratory Hazard Index	29	38
Toxic Releases to Air	! 84	! 98
Traffic Proximity	! 95	! 99
Lead Paint	! 95	! 99
Risk Management Plan (RMP) Facility Proximity	! 95	! 99
Hazardous Waste Proximity	! 87	! 99
Superfund Proximity	! 83	! 97
Underground Storage Tanks (UST)	! 93	! 99
Wastewater Discharge	! 97	! 99

◯ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	20,621
Population Density	9,742/sq.mi.
Housing Units in Area	15,191

General Statistics (ACS (American Community Survey))	
Total Persons	19,662
Percent People of Color	97%
Households in Area	9,635
Households on Public Assistance	381
Persons With Low Income	8,373
Percent With Low Income	43%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.450964
Center Longitude	-66.079548
Land Area	70%
Water Area	30%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	2,177 (22.59%)
$15,000 - $25,000	1,159 (12.03%)
$25,000 - $50,000	2,299 (23.85%)
$50,000 - $75,000	1,170 (12.14%)
Greater than $75,000	2,833 (29.39%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	769 (4%)
Minors 17 years and younger	3,077 (15%)
Adults 18 years and older	17,544 (85%)
Seniors 65 years and older	4,523 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	14,544 (71%)
African-American	3,209 (16%)
Hispanic-Origin	19,595 (95%)
Asian/Pacific Islander	203 (1%)
American Indian	206 (1%)
Other/Multiracial	2,459 (12%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	980 (5.95%)
9th through 12th Grade	459 (2.79%)
High School Diploma	2,537 (15.4%)
Some College/2-year	1,814 (11.01%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	9,458 (57.39%)

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Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

FARMACIA EL AMAL #9

AVE BALDORIOTY DE CASTRO, SANTURCE, PR 00907

FRS (Facility Registry Service) ID: 110007904679

EPA Region: 02

Latitude: 18.456517

Longitude: -66.080221

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000013862)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007904679					N	18.456517	-66.080221
RCRAInfo	RCRA	PRR000013862	VSQG	Active (H)			N	18.456517	-66.080221

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110007904679	FARMACIA EL AMAL #9	AVE BALDORIOTY DE CASTRO, SANTURCE, PR 00907	San Juan Municipio
RCRAInfo	RCRA	PRR000013862	FARMACIA EL AMAL #9	AVE BALDORIOTY DE CASTRO, SANTURCE, PR 00907	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000013862	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000013862)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

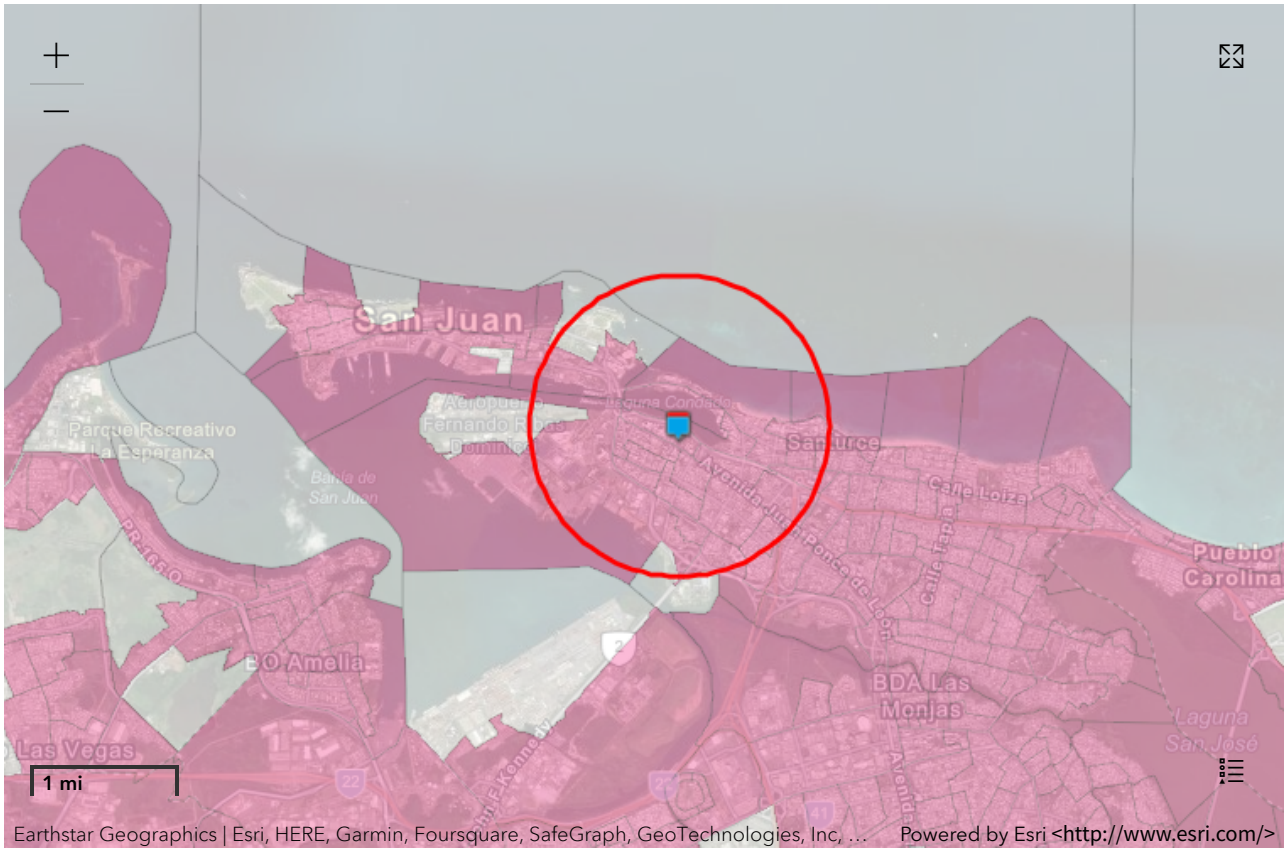
Download Data

Census Block Group ID: 721270019001	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**3**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	50	❗ 89
Air Toxics Cancer Risk	36	53
Air Toxics Respiratory Hazard Index	22	35
Toxic Releases to Air	64	❗ 97
Traffic Proximity	❗ 84	❗ 99
Lead Paint	58	❗ 99
Risk Management Plan (RMP) Facility Proximity	❗ 81	❗ 99
Hazardous Waste Proximity	70	❗ 98
Superfund Proximity	65	❗ 96
Underground Storage Tanks (UST)	0	❗ 99
Wastewater Discharge	❗ 86	❗ 99

Related Reports

EJScreen Community Report

( ) Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	17,826
Population Density	9,705/sq.mi.
Housing Units in Area	13,204

General Statistics (ACS (American Community Survey))	
Total Persons	16,897
Percent People of Color	97%
Households in Area	8,040
Households on Public Assistance	330
Persons With Low Income	6,739
Percent With Low Income	42%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.456517
Center Longitude	-66.080221
Land Area	68%
Water Area	32%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,702 (21.16%)
$15,000 - $25,000	941 (11.7%)
$25,000 - $50,000	1,883 (23.41%)
$50,000 - $75,000	953 (11.85%)
Greater than $75,000	2,563 (31.87%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	646 (4%)
Minors 17 years and younger	2,564 (14%)
Adults 18 years and older	15,263 (86%)
Seniors 65 years and older	4,073 (23%)

Race Breakdown (U.S. Census) - Persons (%)	
White	13,006 (73%)
African-American	2,534 (14%)
Hispanic-Origin	16,865 (95%)
Asian/Pacific Islander	185 (1%)
American Indian	158 (1%)
Other/Multiracial	1,944 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	792 (5.53%)
9th through 12th Grade	454 (3.17%)
High School Diploma	2,241 (15.64%)
Some College/2-year	1,549 (10.81%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	8,281 (57.8%)

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<https://www.epa.gov/home/wwwepagov-snapshots>

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<https://www.epa.gov/grants>

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<https://www.epa.gov/ocr/whistleblower-protections-epa-and-how-they-relate-non-disclosure-agreements-signed-epa-employees>

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Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

FOOD AND DRUG ADMINISTRATION, SAN JUAN DISTRICT OFFICE

466 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00901

FRS (Facility Registry Service) ID: 110004889602

EPA Region: 02

Latitude: 18.46249

Longitude: -66.09273

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	--
Qtrs in Noncompliance (of 12)	--
Qtrs with Significant Violation	--
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	05/22/2014
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRD987370855)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004889602					N	18.46249	-66.09273
ICIS		3400093179					N	18.46203	-66.090949
RCRAInfo	RCRA	PRD987370855	VSQG	Active (H)			N	18.46203	-66.090949

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004889602	FOOD AND DRUG ADMINISTRATION, SAN JUAN DISTRICT OFFICE	466 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00901	San Juan Municipio
ICIS		3400093179	FOOD & DRUG ADMIN	466 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PRD987370855	FOOD & DRUG ADMINISTRATION BLDG	466 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00901-3223	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987370855	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRD987370855)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 8/13/2023)

Source ID	Waste Description	2020	2021	2022	2023
PRD987370855	Hazardous Waste	277	623	655	255
PRD987370855	Acute Hazardous Waste	0	0 - 5	0	0
PRD987370855	Pharmaceutical Hazardous Waste	0	0	0	0

Pharmaceutical Hazardous Waste is excluded from the Hazardous and Acute Hazardous Waste quantities shown above because Pharmaceutical Waste is managed under 40 CFR part 266 subpart P <https://www.epa.gov/hwgenerators/final-rule-management-standards-hazardous-waste-pharmaceuticals-and-amendment-p075> and is excluded from Computed Generator Status calculations.

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to (i) (•) US ( ) State

Index Type (i) ( ) Environmental Justice (•) Supplemental

Related Reports

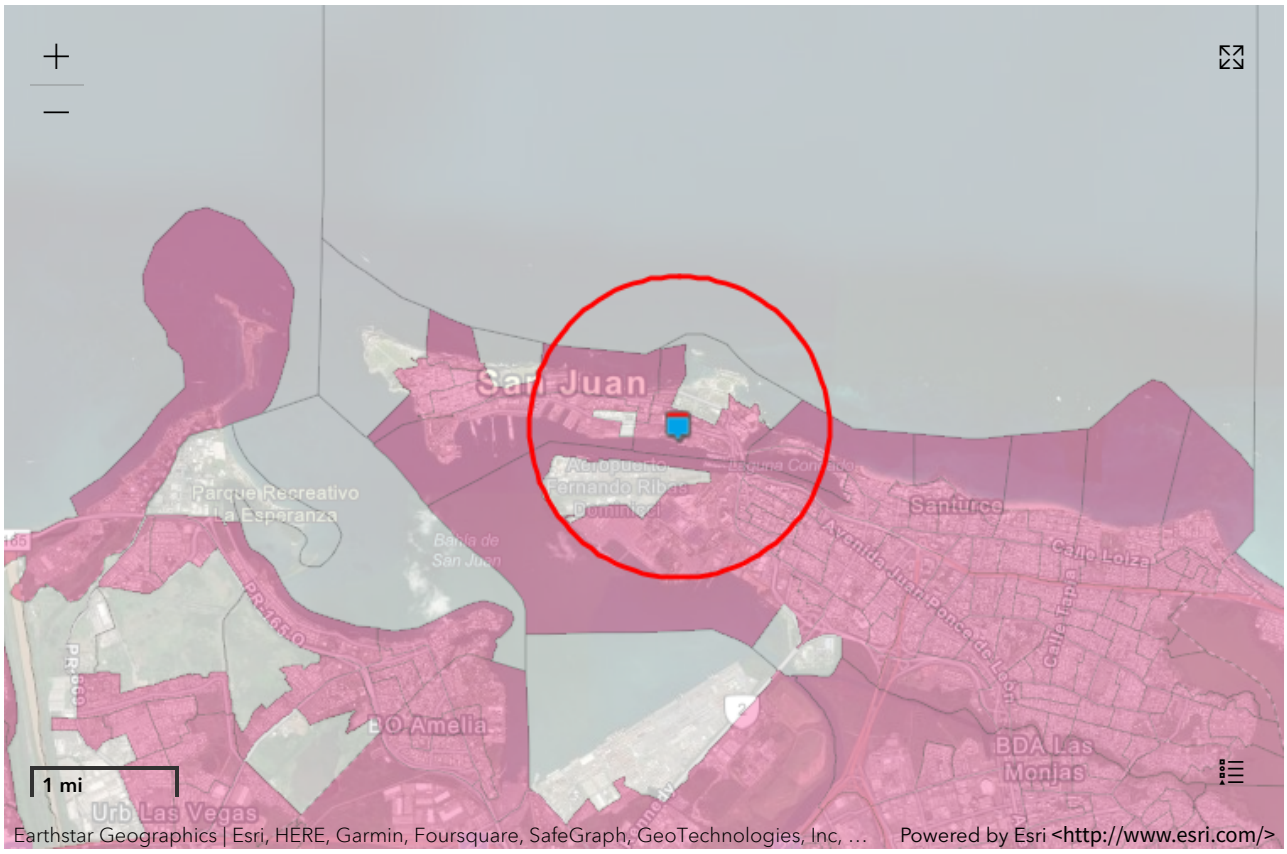
EJScreen Community Report

Download Data

Census Block Group ID: 721270007002	US (Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Max
Count of Indexes At or Above 80th Percentile	**9**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	(!) 82	(!) 99
Air Toxics Cancer Risk	47	54
Air Toxics Respiratory Hazard Index	29	37
Toxic Releases to Air	(!) 82	(!) 98
Traffic Proximity	(!) 95	(!) 99

Census Block Group ID: 721270007002	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Lead Paint	85	99
Risk Management Plan (RMP) Facility Proximity	93	99
Hazardous Waste Proximity	82	98
Superfund Proximity	83	98
Underground Storage Tanks (UST)	86	99
Wastewater Discharge	96	99

○ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	6,957
Population Density	4,466/sq.mi.
Housing Units in Area	5,280

General Statistics (ACS (American Community Survey))	
Total Persons	8,325

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	231 (3%)
Minors 17 years and younger	993 (14%)
Adults 18 years and older	5,964 (86%)
Seniors 65 years and older	1,735 (25%)

General Statistics (ACS (American Community Survey))	
Percent People of Color	97%
Households in Area	3,457
Households on Public Assistance	236
Persons With Low Income	3,115
Percent With Low Income	43%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46249
Center Longitude	-66.09273
Land Area	41%
Water Area	59%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	779 (22.53%)
$15,000 - $25,000	444 (12.84%)
$25,000 - $50,000	592 (17.12%)
$50,000 - $75,000	381 (11.02%)
Greater than $75,000	1,262 (36.5%)

Race Breakdown (U.S. Census) - Persons (%)	
White	5,619 (81%)
African-American	792 (11%)
Hispanic-Origin	6,644 (96%)
Asian/Pacific Islander	47 (1%)
American Indian	25 (0%)
Other/Multiracial	474 (7%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	341 (4.85%)
9th through 12th Grade	314 (4.47%)
High School Diploma	1,385 (19.71%)
Some College/2-year	574 (8.17%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	4,053 (57.67%)

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No FEAR Act Data
<https://www.epa.gov/ocr/whistleblower-protections-epa-and-how-they-relate-non-disclosure-agreements-signed-epa-employees>

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Detailed Facility Report

ECHO

Detailed Facility Report

Facility Summary

FLAMENCO AIRWAYS INC

ISLA GRANDE ARPRT, SAN JUAN, PR 00907

FRS (Facility Registry Service) ID: 110007815365

EPA Region: 02

Latitude: 18.45492

Longitude: -66.08913

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	04/23/1998
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRO007002652)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007815365					N	18.45492	-66.08913
RCRAInfo	RCRA	PRO007002652	Other	Inactive ( )			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007815365	FLAMENCO AIRWAYS INC	ISLA GRANDE ARPRT, SAN JUAN, PR 00907	San Juan Municipio
RCRAInfo	RCRA	PRO007002652	FLAMENCO AIRWAYS INC	ISLA GRANDE ARPRT, SAN JUAN, PR 00907	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRO007002652	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRO007002652)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

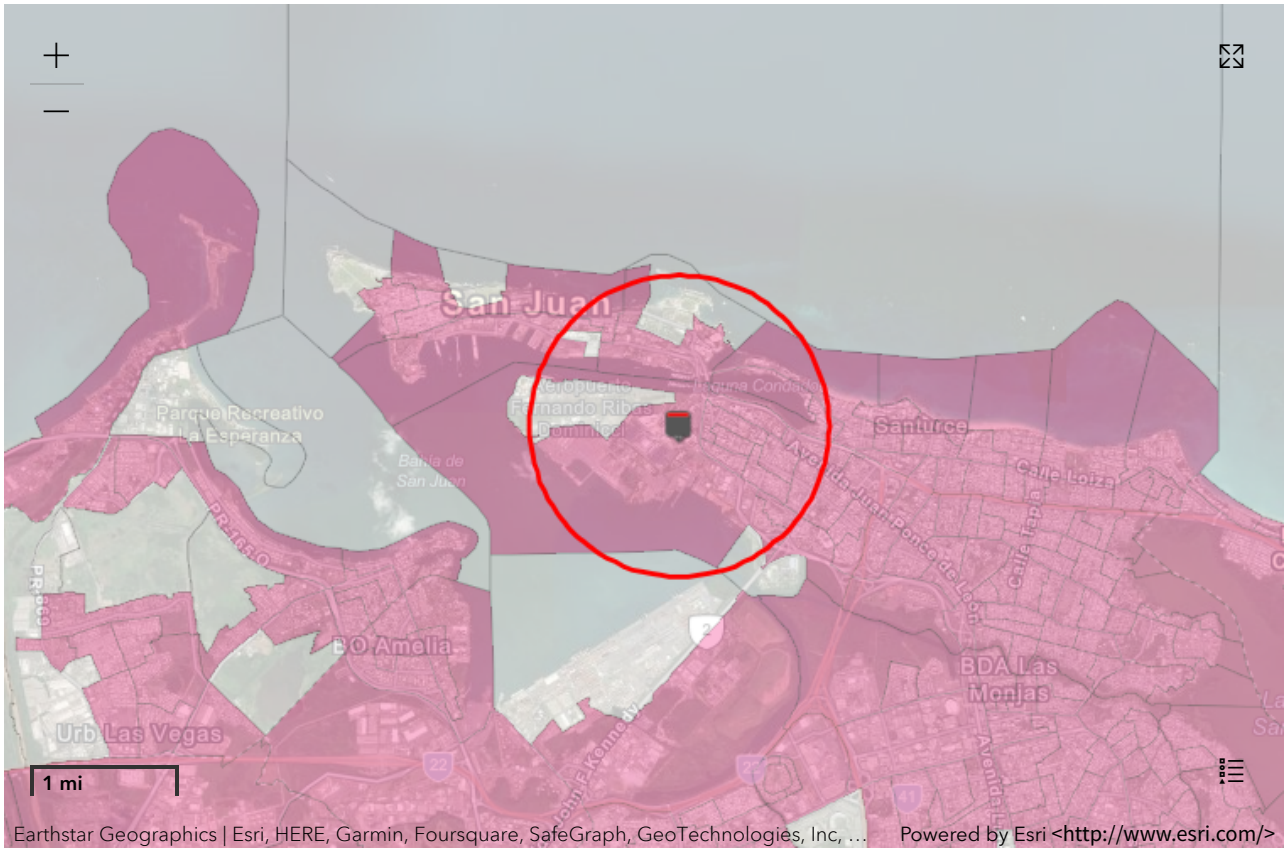
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270042002	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**9**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	! 89	! 99
Air Toxics Cancer Risk	53	54
Air Toxics Respiratory Hazard Index	35	37
Toxic Releases to Air	! 97	! 98
Traffic Proximity	! 99	! 99
Lead Paint	! 98	! 99
Risk Management Plan (RMP) Facility Proximity	! 99	! 99
Hazardous Waste Proximity	! 98	! 98
Superfund Proximity	! 96	! 98
Underground Storage Tanks (UST)	! 99	! 99
Wastewater Discharge	! 99	! 99

◯ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	12,481
Population Density	6,833/sq.mi.
Housing Units in Area	9,224

General Statistics (ACS (American Community Survey))	
Total Persons	12,263
Percent People of Color	98%
Households in Area	5,397
Households on Public Assistance	259
Persons With Low Income	5,026
Percent With Low Income	45%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.45492
Center Longitude	-66.08913
Land Area	59%
Water Area	41%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,277 (23.66%)
$15,000 - $25,000	661 (12.25%)
$25,000 - $50,000	1,108 (20.53%)
$50,000 - $75,000	635 (11.76%)
Greater than $75,000	1,717 (31.81%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	456 (4%)
Minors 17 years and younger	1,814 (15%)
Adults 18 years and older	10,667 (85%)
Seniors 65 years and older	2,775 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	8,915 (71%)
African-American	2,020 (16%)
Hispanic-Origin	11,893 (95%)
Asian/Pacific Islander	132 (1%)
American Indian	89 (1%)
Other/Multiracial	1,324 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	501 (4.93%)
9th through 12th Grade	380 (3.74%)
High School Diploma	1,866 (18.35%)
Some College/2-year	1,073 (10.55%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,649 (55.54%)

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Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

LABORATORIO DE FOTOGRAFIA CRIMINAL

601 ROOSEVELT AVE, SAN JUAN, PR 00918

FRS (Facility Registry Service) ID: 110022481143

EPA Region: 02

Latitude: 18.45435

Longitude: -66.08595

Locational Data Source: FRS

Industries: Justice, Public Order, and Safety Activities

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	02/13/2006
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000017780)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110022481143					N	18.45435	-66.08595
RCRAInfo	RCRA	PRR000017780	VSQG	Active (H)			N	18.416324	-66.078392

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110022481143	LABORATORIO DE FOTOGRAFIA CRIMINAL	601 ROOSEVELT AVE, SAN JUAN, PR 00918	San Juan Municipio
RCRAInfo	RCRA	PRR000017780	LABORATORIO DE FOTOGRAFIA CRIMINAL	601 ROOSEVELT AVE, PUERTO NUEVO, PR 00918	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System)

Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000017780	92212	Police Protection

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000017780	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000017780)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 8/13/2023)

Source ID	Waste Description	2020	2021	2022	2023
PRR000017780	Hazardous Waste	--	--	--	1,089
PRR000017780	Acute Hazardous Waste	--	--	--	0
PRR000017780	Pharmaceutical Hazardous Waste	--	--	--	0

Pharmaceutical Hazardous Waste is excluded from the Hazardous and Acute Hazardous Waste quantities shown above because Pharmaceutical Waste is managed under 40 CFR part 266 subpart P <https://www.epa.gov/hwgenerators/final-rule-management-standards-hazardous-waste-pharmaceuticals-and-amendment-p075> and is excluded from Computed Generator Status calculations.

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270019002	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**5**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	57	! 99
Air Toxics Cancer Risk	41	54
Air Toxics Respiratory Hazard Index	25	37
Toxic Releases to Air	71	! 98
Traffic Proximity	! 87	! 99
Lead Paint	! 80	! 99
Risk Management Plan (RMP) Facility Proximity	! 87	! 99
Hazardous Waste Proximity	76	! 98
Superfund Proximity	72	! 98
Underground Storage Tanks (UST)	! 83	! 99
Wastewater Discharge	! 90	! 99

○ Facility 1-mile Radius ☐ Facility Census Block Group

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	14,334
Population Density	7,448/sq.mi.
Housing Units in Area	10,726

General Statistics (ACS (American Community Survey))	
Total Persons	13,584
Percent People of Color	98%
Households in Area	6,091
Households on Public Assistance	300
Persons With Low Income	5,598
Percent With Low Income	44%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.45435
Center Longitude	-66.08595
Land Area	65%
Water Area	35%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,413 (23.19%)
$15,000 - $25,000	754 (12.38%)
$25,000 - $50,000	1,283 (21.06%)
$50,000 - $75,000	723 (11.87%)
Greater than $75,000	1,919 (31.5%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	531 (4%)
Minors 17 years and younger	2,061 (14%)
Adults 18 years and older	12,272 (86%)
Seniors 65 years and older	3,192 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	10,275 (72%)
African-American	2,163 (15%)
Hispanic-Origin	13,615 (95%)
Asian/Pacific Islander	169 (1%)
American Indian	124 (1%)
Other/Multiracial	1,602 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	628 (5.53%)
9th through 12th Grade	377 (3.32%)
High School Diploma	2,069 (18.22%)
Some College/2-year	1,203 (10.59%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6,309 (55.55%)

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Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

HATO REY HEMATOLOGY ONCOLOGY GROUP

725 PONCE DE LEON AVE STE 701, SAN JUAN, PR 00922

FRS (Facility Registry Service) ID: 110037441694

EPA Region: 02

Latitude: 18.455655

Longitude: -66.082849

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	02/06/2008
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN008019416)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110037441694					N	18.455655	-66.082849
RCRAInfo	RCRA	PRN008019416	Other	Inactive ( )			N		

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110037441694	HATO REY HEMATOLOGY ONCOLOGY GROUP	725 PONCE DE LEON AVE STE 701, SAN JUAN, PR 00922	San Juan Municipio
RCRAInfo	RCRA	PRN008019416	HATO REY HEMATOLOGY ONCOLOGY GROUP	725 PONCE DE LEON AVE STE 701, SAN JUAN, PR 00922	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008019416	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRN008019416)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

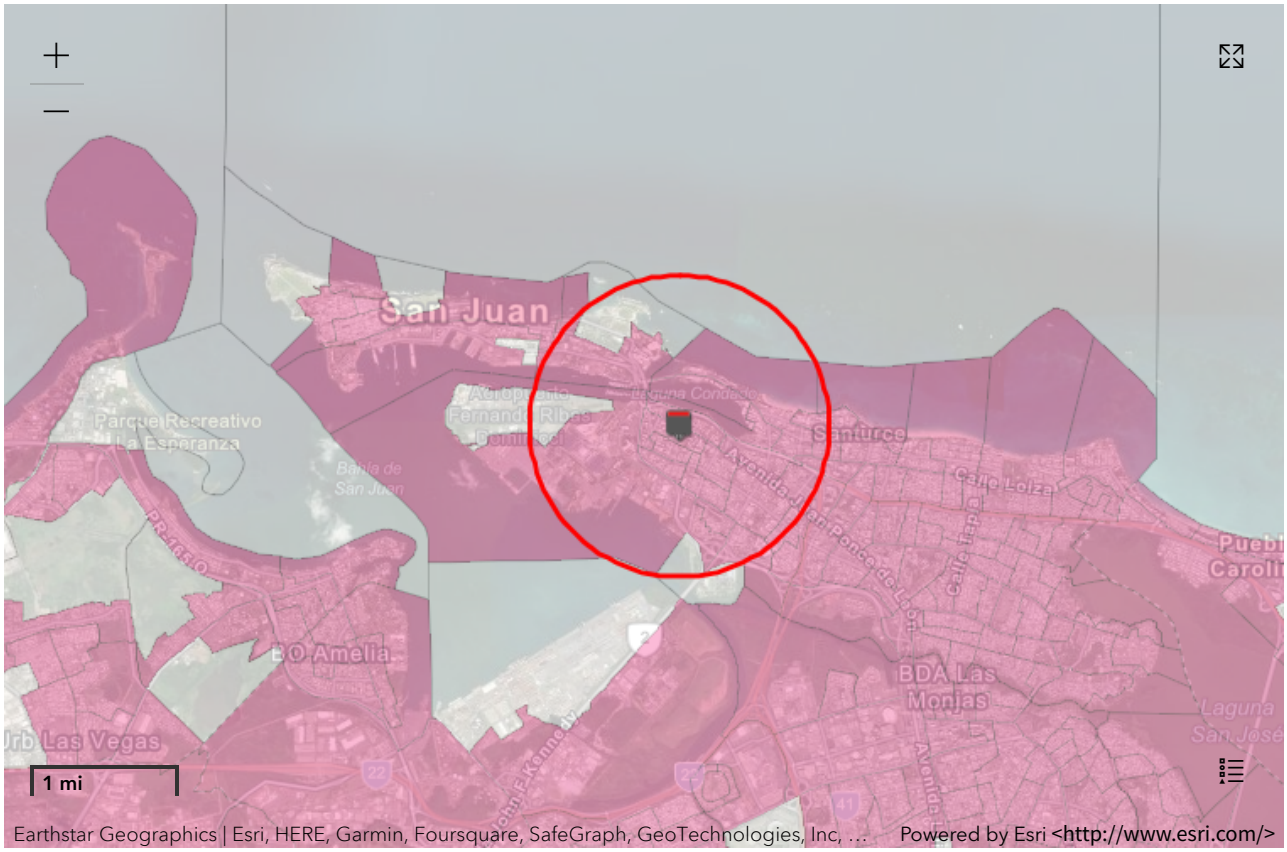
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270019001	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**3**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	50	! 98
Air Toxics Cancer Risk	36	54
Air Toxics Respiratory Hazard Index	22	37
Toxic Releases to Air	64	! 98
Traffic Proximity	! 84	! 99
Lead Paint	58	! 99
Risk Management Plan (RMP) Facility Proximity	! 81	! 99
Hazardous Waste Proximity	70	! 98
Superfund Proximity	65	! 98
Underground Storage Tanks (UST)	0	! 99
Wastewater Discharge	! 86	! 99

( ) Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	16,296
Population Density	8,572/sq.mi.
Housing Units in Area	12,160

General Statistics (ACS (American Community Survey))	
Total Persons	15,376
Percent People of Color	98%
Households in Area	7,081
Households on Public Assistance	325
Persons With Low Income	6,172
Percent With Low Income	43%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.455655
Center Longitude	-66.082849
Land Area	68%
Water Area	32%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,545 (21.82%)
$15,000 - $25,000	845 (11.94%)
$25,000 - $50,000	1,582 (22.34%)
$50,000 - $75,000	848 (11.98%)
Greater than $75,000	2,260 (31.92%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	605 (4%)
Minors 17 years and younger	2,358 (14%)
Adults 18 years and older	13,938 (86%)
Seniors 65 years and older	3,675 (23%)

Race Breakdown (U.S. Census) - Persons (%)	
White	11,801 (72%)
African-American	2,360 (14%)
Hispanic-Origin	15,463 (95%)
Asian/Pacific Islander	176 (1%)
American Indian	148 (1%)
Other/Multiracial	1,812 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	725 (5.59%)
9th through 12th Grade	423 (3.26%)
High School Diploma	2,195 (16.94%)
Some College/2-year	1,373 (10.59%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	7,345 (56.67%)

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Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

DEPT OF ED - IMPRENTA

HOARE 705, SANTURCE, PR 00908

FRS (Facility Registry Service) ID: 110009436743

EPA Region: 02

Latitude: 18.451314

Longitude: -66.081181

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	10/16/1995
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRD987379278)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110009436743					N	18.451314	-66.081181
RCRAInfo	RCRA	PRD987379278	VSQG	Active (H)			N	18.451314	-66.081181

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110009436743	DEPT OF ED - IMPRENTA	HOARE 705, SANTURCE, PR 00908	Mayagüez Municipio
RCRAInfo	RCRA	PRD987379278	DEPT OF ED - IMPRENTA	HOARE 705, SANTURCE, PR 00908	Mayagüez Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987379278	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRD987379278)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

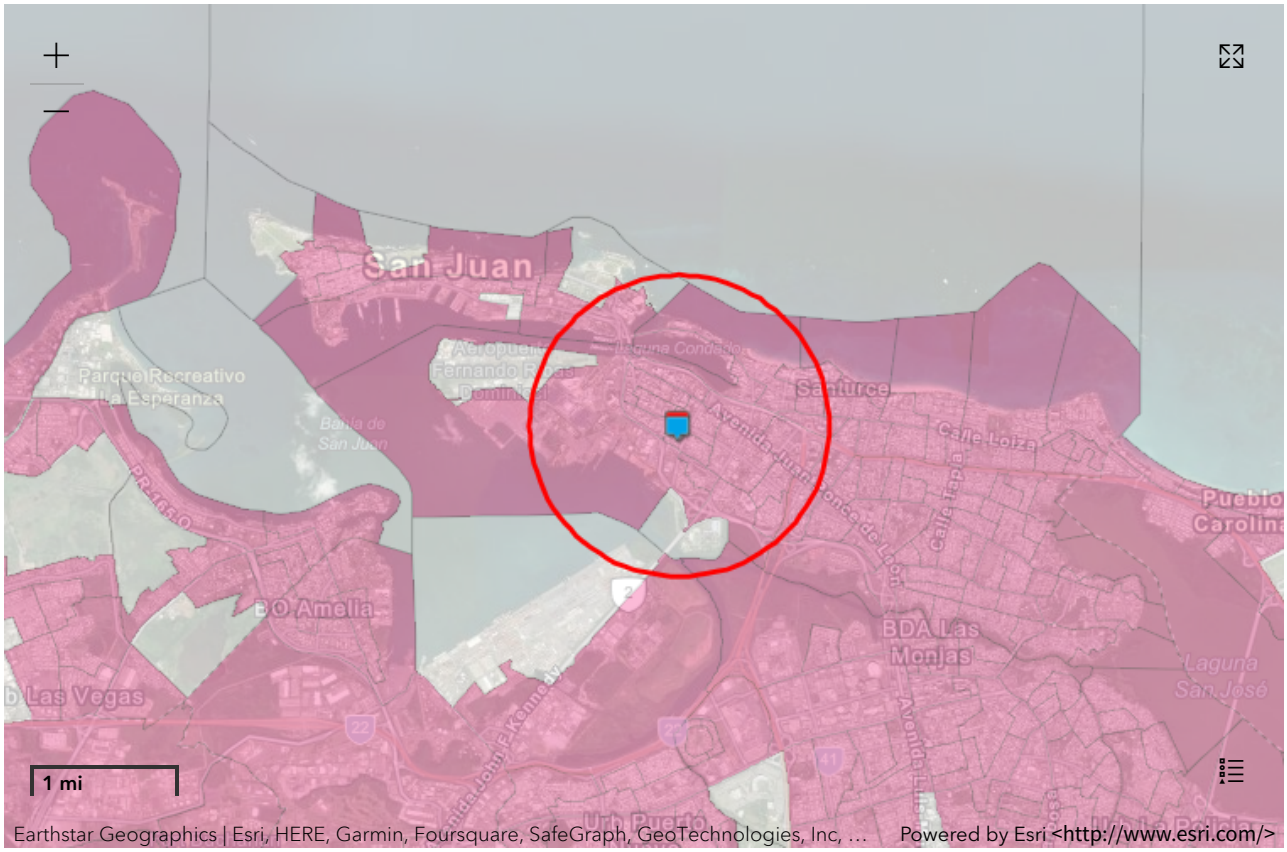
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270021001	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**8**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	70	! 93
Air Toxics Cancer Risk	48	54
Air Toxics Respiratory Hazard Index	29	38
Toxic Releases to Air	! 84	! 98
Traffic Proximity	! 95	! 99
Lead Paint	! 95	! 99
Risk Management Plan (RMP) Facility Proximity	! 95	! 99
Hazardous Waste Proximity	! 87	! 99
Superfund Proximity	! 83	! 97
Underground Storage Tanks (UST)	! 93	! 99
Wastewater Discharge	! 97	! 99

◯ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	18,772
Population Density	9,116/sq.mi.
Housing Units in Area	13,769

General Statistics (ACS (American Community Survey))	
Total Persons	17,898
Percent People of Color	97%
Households in Area	8,589
Households on Public Assistance	353
Persons With Low Income	7,713
Percent With Low Income	44%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.451314
Center Longitude	-66.081181
Land Area	68%
Water Area	32%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,963 (22.86%)
$15,000 - $25,000	1,080 (12.58%)
$25,000 - $50,000	1,989 (23.16%)
$50,000 - $75,000	1,022 (11.9%)
Greater than $75,000	2,533 (29.5%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	699 (4%)
Minors 17 years and younger	2,765 (15%)
Adults 18 years and older	16,008 (85%)
Seniors 65 years and older	4,146 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	13,280 (71%)
African-American	2,886 (15%)
Hispanic-Origin	17,851 (95%)
Asian/Pacific Islander	192 (1%)
American Indian	186 (1%)
Other/Multiracial	2,230 (12%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	921 (6.12%)
9th through 12th Grade	466 (3.1%)
High School Diploma	2,442 (16.22%)
Some College/2-year	1,644 (10.92%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	8,458 (56.18%)

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Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

MIRAMAR DRY CLEANERS

900 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00970

FRS (Facility Registry Service) ID: 110055472563

EPA Region: 02

Latitude: 18.45187

Longitude: -66.08187

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	11/15/2012
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRN008025595)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110055472563					N	18.45187	-66.08187
RCRAInfo	RCRA	PRN008025595	VSQG	Active (H)			N	18.442827	-66.066418

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110055472563	MIRAMAR DRY CLEANERS	900 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00970	San Juan Municipio
RCRAInfo	RCRA	PRN008025595	MIRAMAR DRY CLEANERS	900 FERNANDEZ JUNCOS AVE, SAN JUAN, PR 00970	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008025595	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRN008025595)		01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation / Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

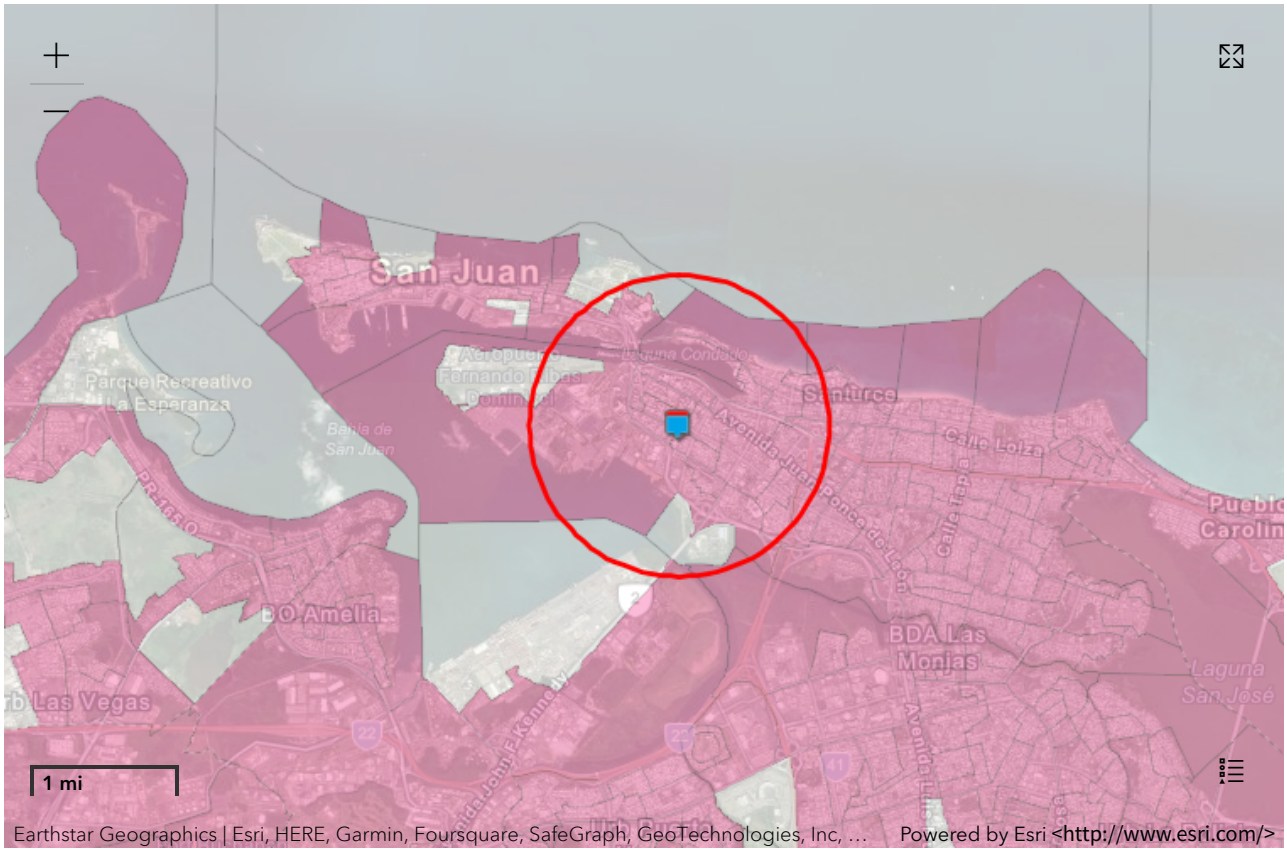
Download Data

Census Block Group ID: 721270020021	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**8**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	77	! 93
Air Toxics Cancer Risk	50	53
Air Toxics Respiratory Hazard Index	31	36
Toxic Releases to Air	! 89	! 97
Traffic Proximity	! 97	! 99
Lead Paint	! 96	! 99
Risk Management Plan (RMP) Facility Proximity	! 98	! 99
Hazardous Waste Proximity	! 92	! 99
Superfund Proximity	! 89	! 97
Underground Storage Tanks (UST)	! 98	! 99
Wastewater Discharge	! 98	! 99

Related Reports

EJScreen Community Report

◯ Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	17,888
Population Density	8,827/sq.mi.
Housing Units in Area	13,117

General Statistics (ACS (American Community Survey))	
Total Persons	17,147
Percent People of Color	97%
Households in Area	8,144
Households on Public Assistance	345
Persons With Low Income	7,394
Percent With Low Income	45%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.45187
Center Longitude	-66.08187
Land Area	65%
Water Area	35%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,869 (22.94%)
$15,000 - $25,000	1,038 (12.74%)
$25,000 - $50,000	1,854 (22.76%)
$50,000 - $75,000	967 (11.87%)
Greater than $75,000	2,419 (29.69%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	662 (4%)
Minors 17 years and younger	2,593 (15%)
Adults 18 years and older	15,295 (86%)
Seniors 65 years and older	3,975 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	12,679 (71%)
African-American	2,723 (15%)
Hispanic-Origin	17,015 (95%)
Asian/Pacific Islander	184 (1%)
American Indian	176 (1%)
Other/Multiracial	2,127 (12%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	882 (6.11%)
9th through 12th Grade	457 (3.17%)
High School Diploma	2,396 (16.6%)
Some College/2-year	1,569 (10.87%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	8,068 (55.91%)

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<https://www.epa.gov/ocr/whistleblower-protections-epa-and-how-they-relate-non-disclosure-agreements-signed-epa-employees>

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<https://www.epa.gov/aboutepa/frequent-questions-specific-epa-programstopics>

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Last updated on September 21, 2022

Data Refresh Information
<https://epa.gov/resources/echo-data/about-the-data#sources>

Detailed Facility Report

Detailed Facility Report

Facility Summary

MIRAMAR TRANSPORT CORP

619 AVE MANUEL FERNANDEZ JUNCOS,
SANTURCE, PR 00908

FRS (Facility Registry Service) ID: 110004889112

EPA Region: 02

Latitude: 18.454175

Longitude: -66.087387

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	11/08/1983
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD980526537)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI):
No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Status	Identifier	Universe	Status	Area	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004889112					N	18.454175	-66.087387
RCRAInfo	RCRA	PRD980526537	Other	Inactive ( )			N		

Facility Address

System	Status	Identifier	Facility Name	Facility Address	Facility County
FRS		110004889112	MIRAMAR TRANSPORT CORP	619 AVE MANUEL FERNANDEZ JUNCOS, SANTURCE, PR 00908	San Juan Municipio
RCRAInfo	RCRA	PRD980526537	MIRAMAR TRANSPORT CORP	FERNANDEZ JUNCOS 619, SANTURCE, PR 00908	San Juan Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD980526537	No	11/12/2023	0	11/11/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRD980526537)			01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds ⚠

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	No	--	No	--
Lead	No	--	No	--
Particulate Matter	No	--	No	--
Carbon Monoxide	No	--	No	--
Sulfur Dioxide	Yes	Sulfur Dioxide (2010)	No	--

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

EJScreen Indexes Shown

Compare to ⓘ (•) US ( ) State

Index Type ⓘ ( ) Environmental Justice (•) Supplemental

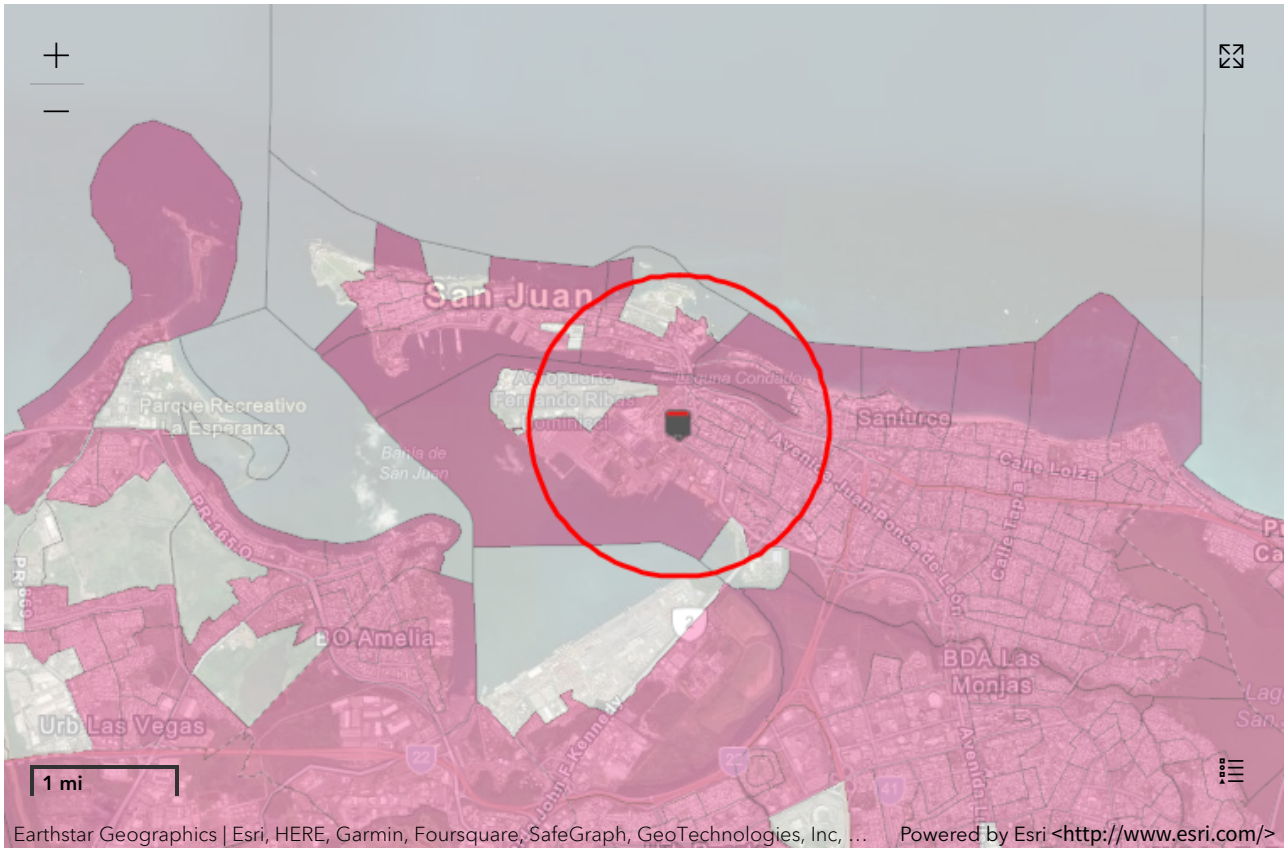
Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 721270042002	US (Percentile)	
Supplemental Indexes	**Facility Census Block Group**	**1-mile Max**
Count of Indexes At or Above 80th Percentile	**9**	**9**
Particulate Matter 2.5	--	--
Ozone	--	--
Diesel Particulate Matter	! 89	! 99
Air Toxics Cancer Risk	53	54
Air Toxics Respiratory Hazard Index	35	37
Toxic Releases to Air	! 97	! 98
Traffic Proximity	! 99	! 99
Lead Paint	! 98	! 99
Risk Management Plan (RMP) Facility Proximity	! 99	! 99
Hazardous Waste Proximity	! 98	! 98
Superfund Proximity	! 96	! 98
Underground Storage Tanks (UST)	! 99	! 99
Wastewater Discharge	! 99	! 99

( ) Facility 1-mile Radius ☐ Facility Census Block Group



Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (U.S. Census)	
Total Persons	13,295
Population Density	7,068/sq.mi.
Housing Units in Area	9,934

General Statistics (ACS (American Community Survey))	
Total Persons	12,984
Percent People of Color	98%
Households in Area	5,774
Households on Public Assistance	281
Persons With Low Income	5,371
Percent With Low Income	45%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.454175
Center Longitude	-66.087387
Land Area	61%
Water Area	39%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	1,358 (23.52%)
$15,000 - $25,000	721 (12.48%)
$25,000 - $50,000	1,204 (20.85%)
$50,000 - $75,000	676 (11.71%)
Greater than $75,000	1,816 (31.45%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	502 (4%)
Minors 17 years and younger	1,924 (14%)
Adults 18 years and older	11,371 (86%)
Seniors 65 years and older	2,971 (22%)

Race Breakdown (U.S. Census) - Persons (%)	
White	9,558 (72%)
African-American	2,033 (15%)
Hispanic-Origin	12,636 (95%)
Asian/Pacific Islander	148 (1%)
American Indian	108 (1%)
Other/Multiracial	1,449 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	579 (5.35%)
9th through 12th Grade	374 (3.46%)
High School Diploma	1,988 (18.39%)
Some College/2-year	1,145 (10.59%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	5,992 (55.41%)

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<https://www.epa.gov/home/wwwepagov-snapshots>

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NEPAssist

Home (https://www.epa.gov/nepa/nepassist) | Help (help/NEPAssistHelp.pdf)

US Environmental Protection Agency (//www.epa.gov)

Report question: *Within 3000 of a Air emissions site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

3000 feet Submit

Name **Distance**

PRESTIGE DRY CLEANERS (SAN JUAN,PR) (https://enviro.epa.gov/enviro/airsquery.detail_plt_view?p_id=PR0000007212700174) 2041.33 feet

registry_id: 110007023407
latitude: 18.45187
longitude: -66.08187
pgm_sys_acrnm: AIR
pgm_sys_id: PR0000007212700174
primary_name: PRESTIGE DRY CLEANERS
location_address: AVE FERNANDEZ JUNCOS 900
city_name: SAN JUAN
county_name:
state_code: PR
epa_region: Region 02
postal_code: 00907
fips_code: PR127
huc_code:
facility_url: https://enviro.epa.gov/enviro/airsquery.detail_plt_view?p_id=PR0000007212700174

Name	Distance
☐ CARIBE HILTON HOTEL (SAN JUAN,PR) (https://enviro.epa.gov/enviro/airsquery.detail_plt_view?p_id=PR0000007212700026)	2125.24 feet

registry_id: 110038910603
latitude: 18.46266
longitude: -66.08603
pgm_sys_acrnm: AIR
pgm_sys_id: PR0000007212700026
primary_name: CARIBE HILTON HOTEL
location_address: SAN GERO AVE MUNOZ RIVERA
city_name: SAN JUAN
county_name:
state_code: PR
epa_region: Region 02
postal_code: 00903
fips_code: PR127
huc_code:
facility_url: https://enviro.epa.gov/enviro/airsquery.detail_plt_view?p_id=PR0000007212700026

OMB No. 2506-0177
(exp.9/30/2021)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

A List of Species obtained from the USFWS for the project area indicates that two endangered species could
be observed near the site. These species are West Indian Manatee and Puerto Rican Boa. The impact to those
species will be minimized with the implementation of conservation measures developed by the USFWS.
Copy of the Species List and of the self certification are included in **Appendix A**.
This project is in compliance with endangered species. **Endangered Species Act (CEST and EA) – PARTNER**

https://www.hudexchange.info/environmental-review/endangered-species

1. **Does the project involve any activities that have the potential to affect species or habitats?**

☒No, the project will have No Effect due to the nature of the activities involved in the project.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

☐No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office.

Explain your determination:

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

☐Yes, the activities involved in the project have the potential to affect species and/or habitats. → *Continue to Question 2.*

2. **Are federally listed species or designated critical habitats present in the action area?**

Obtain a list of protected species from the Services. This information is available on the FWS Website.

☐No, the project will have No Effect due to the absence of federally listed species and designated critical habitat.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation may include letters from the Services, species lists from the Services' websites, surveys or other documents and analysis showing that there are no species in the action area.*

☐Yes, there are federally listed species or designated critical habitats present in the action area. → *Continue to Question 3.*

3. Recommend one of the following effects that the project will have on federally listed species or designated critical habitat:

☐No Effect: Based on the specifics of both the project and any federally listed species in the action area, you have determined that the project will have absolutely no effect on listed species or critical habitat.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation should include a species list and explanation of your conclusion, and may require maps, photographs, and surveys as appropriate.*

☐May Affect, Not Likely to Adversely Affect: Any effects that the project may have on federally listed species or critical habitats would be beneficial, discountable, or insignificant.

→ Partner entities should not contact the Services directly. *If the RE/HUD agrees with this recommendation, they will have to complete Informal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.*

☐Likely to Adversely Affect: The project may have negative effects on one or more listed species or critical habitat.

→ Partner entities should not contact the Services directly. *If the RE/HUD agrees with this recommendation, they will have to complete Formal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

A List of Species obtained from the USFWS for the project area indicates that two endangered species could be observed near the site. These species are West Indian Manatee and Puerto Rican Boa. The impact to those species will be minimized with the implementation of conservation measures developed by the USFWS. Copy of the Species List and of the self-certification are included. This project is in compliance with endangered species.

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services
Field Office
P.O. Box 491
Boqueron, PR 00622

In Reply Refer To:
FWS/R4/CESFO/BKT/HUD

JAN 14 2013

Mr. Efrain Maldonado
Field Office Director
U.S. Department of Housing and Urban Development
235 Federico Costa Street, Suite 200
San Juan, Puerto Rico 00918

Re: Blanket Clearance Letter for Federally sponsored projects, Housing and Urban Development

Dear Mr. Maldonado:

The U.S. Fish and Wildlife Service (USFWS) is one of two lead Federal Agencies responsible for the protection and conservation of Federal Trust Resources, including threatened or endangered species listed under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.) (ESA). In the U.S. Caribbean, the USFWS has jurisdiction over terrestrial plants and animals, the Antillean manatee and sea turtles when nesting. The National Marine Fisheries Service has jurisdiction over marine species, except for the manatee. The ESA directs all Federal agencies to participate in conserving these species. Specially, section 7 of the ESA requires Federal agencies to consult with the USFWS to ensure that actions they fund authorize, permit, or otherwise carry out will not jeopardize the continued existence of any listed species or adversely modify designated critical habitat. The USFWS issued regulations in 1986 detailing the consultation process. As part of this consultation process, the USFWS review development projects to assist Federal agencies on the compliance of the ESA.

The U.S. Department of Housing and Urban Development (HUD) typically allocate grant funds for rural and urban development projects. Obligations under the ESA, as well as the National Environmental Policy Act (NEPA), require HUD to perform consultation and an environmental impact review prior to the project's authorization. Primarily, these projects involve repair or reconstruction of existing facilities associated with developed land.

In order to expedite the consultation process, the Caribbean Ecological Services Field Office has developed this Blanket Clearance Letter (BCL) to cover for activities and projects that typically result in no adverse effects to federally-listed species under our jurisdiction. If projects comply with the project criteria discussed below, no further consultation with the USFWS is needed.

Project Criteria

1. Street resurfacing.
2. Construction of gutters and sidewalks along existing roads.
3. Reconstruction or emergency repairs of existing buildings, facilities and homes.
4. Rehabilitation of existing occupied single family homes, and buildings; provided that equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation and that the lighting associated to the new facilities is not visible directly or indirectly from a beach.
5. Demolition of dilapidated single family homes or buildings; provided that the demolition debris is disposed in certified receiving facilities; equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation.
6. Rebuilding of demolished single family homes or buildings, provided that the new construction is within the existing footprint of the previous structure and/or within pre-existing grassed or paved areas, and that the lighting associated to the new facilities are not visible directly or indirectly from a beach.
7. Activities within existing Right of Ways (ROWs) of roads, bridges and highways, when limited to actions that do not involve cutting native vegetation or mayor earth moving; and are not located within, or adjacent to, drainages, wetlands, or aquatic systems. These activities include the installation of potable water and sanitary pipelines.
8. Improvements to existing recreational facilities, including the installation of roofs to existing basketball courts, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
9. Construction of electric underground systems in existing towns and communities, provided that the property is not a wetland area and the lighting associated to the facilities are not visible directly or indirectly from the beach.
10. Construction of facilities on vacant properties covered with grasses in urban areas, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
11. Construction of houses, buildings or acquiring lands in urban areas covered by grass for relocation of low income families and/or facilities that have been affected by weather conditions.

Determination:

Based on the nature of the projects described above and habitat characteristics described on project criteria, we have determined that the actions and type of projects described above may be conducted within this BCL without adversely affecting federally-listed

species under our jurisdiction. Thus, consultation under Section 7 of the Endangered Species Act is not required.

In all situations, HUD, and the municipalities are expected to implement Best Management Practices, where applicable, to ensure that impacts from erosion and stream sedimentation are appropriately minimized.

The Service encourages your agency to enhance the conservation of our trust resources (i.e.; listed species, wetlands, aquatic habitats, migratory birds and marine mammals). We therefore, provide the following recommendations that have proven to help in this way.

Water Crossing Structures:

1. Use of bottomless culverts or single span bridges instead of traditional box or RCP culverts or any other water crossing structure that impacts the stream bottom, particularly in streams which support native fish. The use of bottomless culverts or a short span bridge would provide a more stable crossing and would not alter the stream habitat. However, if bottomless structures or bridges are not feasible due to cost or engineering constraints, we recommend the following criteria be used to maintain good habitat in the streams:

    a. The stream should not be widened to fit the bridge since this can lead to sedimentation during low flows and possible bank erosion during high flows. Rather, the bridge should be designed to fit the stream channel at the point of crossing. Culverts should be sized to carry natural bank full flow. Additional flow can be capture by culverts placed at a higher elevation so as not to impact bank full flows.
    b. Bridge abutments, wing walls or any other structures should not intrude into the active stream channel.
    c. All culvert footings must be countersunk into the stream channel at both the invert and outlet ends at a minimum of 10% of the culvert height. This will align the water crossing structure with the slope of the stream.
    d. Waterways must not be blocked as to impede the free movement of water and fish. Materials moved during construction, such as grubbing, earth fills, and earth cut materials must not be piled where they can fall back into the stream and block the drainage courses.
    e. Appropriate erosion and/or sedimentation controls measures are to be undertaken to protect water quality until riverbanks are re-vegetated. It has been our experience that appropriate erosion and/or sedimentation control measures are not implemented properly by project contractors. In order to function properly, silt fences need to be buried 6" (proper depth is marked by a line on the silt fence) and supported at regular intervals by wood stakes. For that reason we are recommending that

the enclosed drawing of proper silt fence installation is included in all final project construction plans.

f. Upon completion of a water crossing construction, any temporary fill, must be removed from the construction area and disposed in a landfill.

Limitations:

Actions that do not meet the above project criteria, such as actions requiring placement of fill, disturbance, or modification to land outside of an existing access road or ROW; actions that occur on vacant property harboring a wetland and/or forest vegetation; actions requiring excavation, clearing of native vegetation, or alteration of storm water drainage patterns; or actions that require lighting which can be directly or indirectly seen from a beach, must be individually coordinated through the Caribbean Ecological Services Field Office and will be evaluated on a case by case basis.

The Service reserves the right to revoke or modify this BCL if:

1. New information reveals that the categories of work covered in this BCL may affect listed or designated critical habitat in a manner, or to an extent, not previously considered.
2. The categories of work included in this BCL are subsequently modified to include activities not considered in this review.
3. New species are listed or critical habitat designated that may be affected.

It is our mission to work with others, to conserve, protect and enhance fish wildlife and plants and their habitats for the continuing benefit of our people.

To obtain additional information on threatened and endangered species, you may visit our website http://www.fws.gov/caribbean/ES where you will also find the Map of the Species by Municipality and the Map of Critical Habitat. The USFWS has also developed a web based tool called IPac. Please visit http://www.ecos.fws.gov/ipac and familiarize yourself with the features we offer. We encourage you to begin your project planning process by requesting an **Official Species List** for your individual project that will include all species that may occur in the vicinity of the action area and includes a map of the action area. The site will also identify designated critical habitat, or other natural resources of concern that may be affected by your proposed project. At this time, best management practices or conservation measures are not available at the site but we expect the site to continue growing in its offering.

These maps provide information on the species/habitat relations within a municipality and could provide the applicants an insight if the proposed action is covered under this BCL or may affect a species, thus requiring individual review.

If you have any additional question regarding this BCL, please do not hesitate to contact Marelisa Rivera, Deputy Field Supervisor, at 787-851-7297 extension 206.

Sincerely yours,

Edwin E. Muñiz
Field Supervisor

Enclosures (Fact Sheets)

cc: OCAM, San Juan
Office of Federal Funds, 78 Municipalities of Puerto Rico
AAA
PRFAA
DNER

US Fish and Wildlife Service

Ecological Services in the Caribbean

Caribbean Field Office

Project evaluation

Our mission is to conserve, protect and enhance fish and wildlife and their habitats through consultation, cooperation and communication for the continuing benefit of the American people.

Legal authorities:

- Endangered Species Act (ESA)
- Fish and Wildlife Coordination Act
- Migratory Bird Treaty Act
- Coastal Barriers Act

Roles and Responsibilities:

- Provide technical assistance to Federal and Commonwealth agencies to minimize possible impacts of land and water projects to our trust resources
  - *Wetlands and other aquatic habitats
  - *Endangered Species and their habitats
  - *Migratory Birds
  - *Critical Wildlife Areas
  - *Coastal Barriers
- Assist with ESA Section 7 compliance through informal and formal consultation processes

How do we assist others?

- Determine presence / absence of wetland resources, threatened and endangered species habitat, coastal barriers, important wildlife areas within the action area
- Evaluate possible direct, indirect and cumulative impacts
- Provide conservation recommendations to avoid, minimize and/or mitigate impacts
- General recommendations for habitat enhancement

Minimum requirements for the evaluation of projects:

- An 8.5 by 11 inch copy of the specific site location on a USGS topographic map (1:20,000) marked with an arrow (➡)
- Project description
- Aerial photo of the project site
- Latitude and Longitude (degrees, minutes and seconds or decimal degrees)
- Environmental Documents (EA and EIS)
- Specific studies (by qualified personnel)

For more information:

US Fish and Wildlife Service
Caribbean Field Office
Raod 301, Km. 5.1
Bo. Corozo
Boquerón, PR 00622
http://www.fws.gov
http://www.fws.gov/caribbean/es

US Fish and Wildlife Service

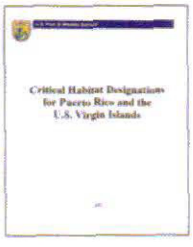
Caribbean Ecological Services Field Office

Endangered Species Lists Using Web-based Tools

The U.S. Fish and Wildlife Service's Caribbean Ecological Services Field Office (CESFO) provides technical assistance to private individuals and organizations, as well as Federal, state, and local agencies pursuant to the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.). To assist project sponsors or applicants with the process of determining whether a Federally-listed species and/or "critical habitat" may occur within their proposed project area, we have developed Web-based tools. These tools were developed primarily to assist Federal agencies that are consulting with us under Section 7(a)(2) of the Endangered Species Act (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

IPaC. The US Fish& Wildlife Service (USFWS) has a tool named IPaC. IPaC stands for Information, Planning, and Conservation. This system is designed for easy, public access to the natural resources information for which the USFWS has trust or regulatory responsibility. Examples include Threatened and Endangered species, migratory birds, National Refuge lands, Coastal Barrier Resource Units, and the management of invasive species. One of the primary goals of the IPaC system is to provide information in a manner that assists individuals in planning their activities within the context of natural resource conservation. The IPaC system also assists people through the various regulatory consultation, permitting and approval processes administered by the USFWS, helping achieve more effective and efficient results for both the project proponents and natural resources. Through IPaC, you can get a preliminary USFWS species list in addition to links to species life history information, the USFWS Migratory Bird program, and more. You can access IPaC at: http://ecos.fws.gov/ipac

CESFO List of Threatened & Endangered Species and Critical Habitat Designations: CESFO has developed another tool (Species Map) that can be used as a quick reference to find out where the Federally-listed species



are known to occur, as well as those likely to occur, in any given municipality in Puerto Rico and island in the U.S. Virgin islands. It identifies general areas where the species may be located. However, it does not represent the absolute distribution of the species and does not constitute a recommendation or comment issued by our agency in reference to a proposed project. This list represents the best available information regarding known or likely occurrences of Federally-listed species and is subject to change as new information becomes available. You can access this database at http://www.fws.gov/caribbean/es/PDF/Map/pdf

Be aware that Section 9 of the ESA prohibits unauthorized taking of listed species and applies to Federal and non-Federal activities. Under the Act, it is illegal for any person subject to the jurisdiction of the United States to take (includes harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect; or to attempt any of these), import or export, ship in interstate or foreign commerce in the course of commercial activity, or sell or offer for sale in interstate or foreign commerce any endangered fish or wildlife species and most threatened fish and wildlife species. It is also illegal to possess, sell, deliver, carry, transport, or ship any such wildlife that has been taken illegally. "Harm" includes any act which actually kills or injures fish or wildlife, and case law has clarified that such acts may include significant habitat modification or degradation that significantly impairs

essential behavioral patterns of fish or wildlife. For projects not authorized, funded, or carried out by a Federal agency, consultation with the Service pursuant to Section 7(a)(2) of the ESA is not required. However, no person is authorized to "take[1]" any listed species without appropriate authorizations from the Service. Therefore, we provide technical assistance to individuals and agencies to assist with project planning to avoid the potential for "take," or when appropriate, to provide assistance with their application for an incidental take permit pursuant to Section 10(a)(1)(B) of the ESA.

If the project is within the distribution of the species, additional information may be needed to determine the presence of habitat. In some cases, specialized surveys may be needed to determine the presence or absence of the species in a particular area.

For additional information on fish and wildlife resources or State-listed species, we suggest contacting the Puerto Rico Department of Natural and Environmental Resources and the U.S. Virgin Islands Department of Planning and Natural Resources.

For further assistance, please feel free to contact us at (787) 851-7297 or visit our Web page at www.fws.gov/caribbean/es if you need further assistance.

For further information visit our national websites at:
http://www.fws.gov
http://ecos.fws.gov

U.S. Fish & Wildlife Service

Consultations with Federal Agencies

Section 7 of the Endangered Species Act

The purposes of the Endangered Species Act are to provide a means for conserving the ecosystems upon which endangered and threatened species depend and a program for the conservation of such species. The ESA directs all Federal agencies to participate in conserving these species. Specifically, section 7 (a)(1) of the ESA charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies to ensure that their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats.

USGS

In response to requests for consultations from the U. S. Coast Guard with regard to manatees and sea turtles, the South Florida Office of the U. S. Fish and Wildlife Service has provided guidance about events such as firework displays, regattas, boat parades and races, and fishing tournaments.

How does the consultation process support the recovery of species and their ecosystems?

The Endangered Species Program of the U.S. Fish and Wildlife Service uses section 7 tools in partnership with other Service programs and other Federal agencies to collaboratively solve conservation challenges, as well as create opportunities, using section 7 consultations, to recover the ecosystems of listed species. Consultations also provide ways to implement recovery tasks by addressing threats to listed species that may result from Federal agency programs and activities.

What is the consultation process that occurs under section 7(a)(2)?

The provision under section 7 that is most often associated with the Service and other Federal agencies is section 7(a)(2). It requires Federal agencies to consult with the Service to ensure that actions they fund, authorize, permit, or otherwise carry out will not jeopardize the continued existence of any listed species or adversely modify designated critical habitats. The Service issued regulations in 1986 detailing the consultation process, and we have since completed a handbook describing the process in detail. The handbook is available on our web site at http://www.fws.gov/endangered/esa-library/pdf/esa_section7_handbook.pdf.

What is the Service doing to facilitate the consultation process?

Designing projects in ways that are compatible with the conservation needs of listed species and their ecosystems is among the most effective methods of ensuring a more rapid and efficient section 7 consultation process, as well as species' recovery. The Information, Planning, and Conservation System is an emerging tool for action agencies, their applicants, and other project proponents to use during the initial phases of project development and assessment. The system will allow for more effective integration of listed resource conservation needs and the eventual streamlining of section 7(a)(2) consultation.

How does a consultation get started?

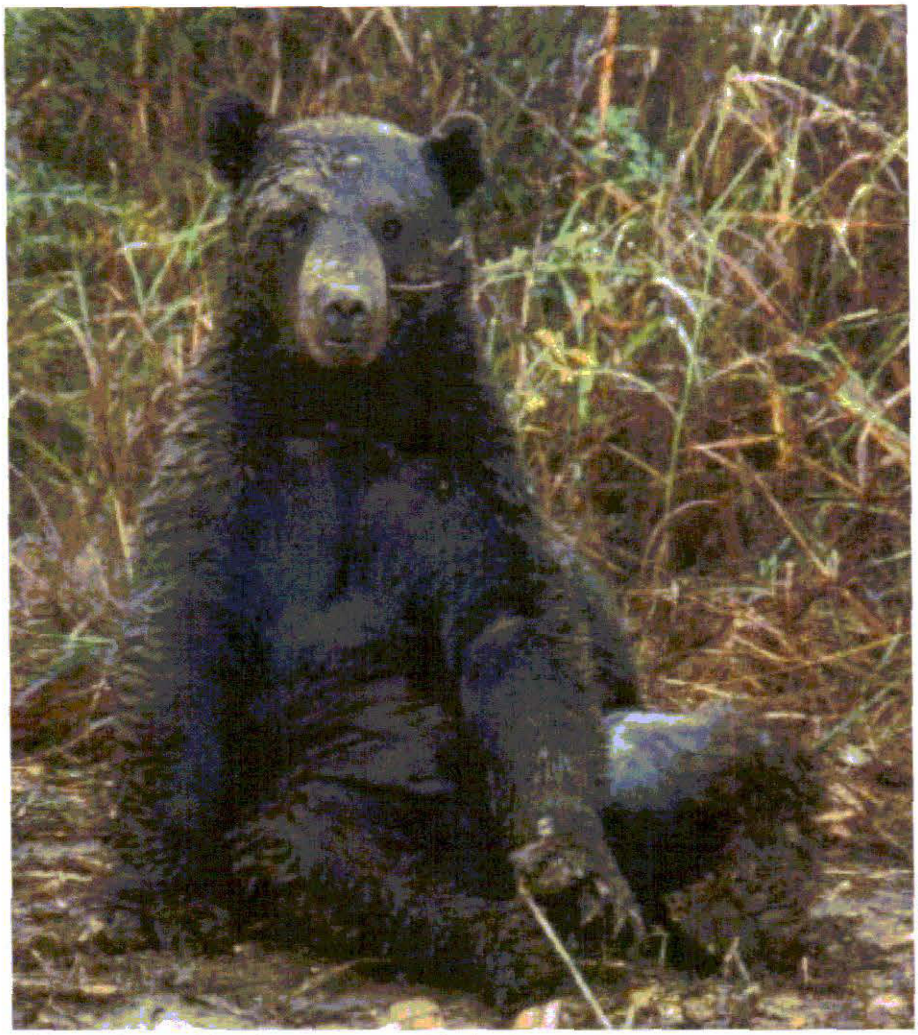
Early coordination is one of the most effective methods of (1) streamlining section 7 consultation, (2) reducing the need to make project modifications during the consultation process, and (3) improving the ability of section 7 to fulfill its role as a recovery tool. Federal agencies, applicants, and the Service engage in early coordination to develop methods of integrating proposed activities with the conservation needs of listed resources before the proposed actions are fully designed.

Before initiating an action, the Federal agency or its non-Federal permit applicant should coordinate with the Service as to the species that may be within their action area. If a listed species is present, the Federal agency must determine whether the project may affect it. If so, consultation may be required. If the action agency determines (and the Service agrees) that the project is not likely to adversely affect a listed species or designated critical habitat, and the Service concurs in writing, then the consultation (informal to this point) is concluded.

What happens if a Federal project may adversely affect a listed species?

If the Federal agency determines that a project is likely to adversely affect a listed species or designated critical habitat, the agency initiates formal consultation by providing information with regard to the nature of the anticipated effects. The ESA requires that consultation be completed within 90 days, and the regulations allow an additional 45 days for the Service to prepare a biological opinion. The analysis of whether or not the proposed action is likely to jeopardize the continued existence of the species or adversely modify designated critical habitat is contained in a biological opinion. If a jeopardy or adverse modification determination is made, the biological opinion must identify any reasonable and prudent alternatives that could allow the project to move forward.

The Service must anticipate any incidental take that may result from the proposed project and, provided that such take will not jeopardize the continued existence of the listed species, authorize that take in an incidental take statement. The latter contains clear terms and conditions designed to reduce the impact of the anticipated take to the species involved. The authorization of incidental take is contingent upon the Federal agency carrying out the terms and conditions. If the Service issues either a non-jeopardy opinion or a jeopardy opinion that contains reasonable and prudent alternatives, it may include an incidental take statement.



Dan Anderson/USFWS

This Louisiana black bear was one of the largest ever captured on Tensas River National Wildlife Refuge, weighing in at over 400 pounds. The bear was trapped using a leg-hold cable snare that does not injure the animal. The biological information obtained, including weight, sex, a tooth for aging, and other measurements, is part of the Service's ongoing research efforts to aid in the recovery of this threatened subspecies. Afterwards, the bear was released on site.

What is the consultation workload?

In Fiscal Year 2010, the Service assisted Federal agencies in carrying out their responsibilities under section 7 on more than 30,000 occasions. The vast majority of the workload was technical assistance to Federal agencies and informal consultations on actions that were not likely to adversely affect listed species or their designated critical habitat. A large percentage of projects, as initially planned, would have had adverse impacts to listed species, but were dealt with through informal consultation. In these situations, the Federal agency made changes to the project design so that adverse impacts to listed species were avoided.

What type of guidance is available for other Federal agencies?

Guidance is available on our section 7 web site at http://www.fws.gov/endangered/what-we-do/consultations-overview.html. Please call us at 703-358-2171 if you have any questions, or see our Endangered Species Program Contacts at http://www.fws.gov/endangered/regions/index.html to locate a Service office in your area.

U. S. Fish and Wildlife Service
Endangered Species Program
4401 N. Fairfax Drive, Room 420
Arlington, VA 22203
703-358-2171
http://www.fws.gov/endangered/

April 2011

Self-Certification

http://www.fws.gov/caribbean/ES/Index.html

Endangered Species Act Certification

The U.S. Fish and Wildlife Service, Caribbean Ecological Services Field Office developed a Blanket Clearance Letter in compliance with Endangered Species Act of 1973, as amended, and the Fish and Wildlife Coordination Act for federally funded projects.

The Service determined that projects in compliance with the following criteria are not likely to adversely affect federally-listed species.

Puerto Rico Department of Housing (PRDOH) certifies that the following project Hilton-Hampton-Homewood Hotel (IPGD-000306) consisting of anew 225 rooms hotel located at Baldorioty de Castro Boulevard, Fernández Juncos Avenue & Billián St., Miramar Ward, San Juan (Coordinates: 18.454077, -66.089649), complies with:

Check	Project Criteria
☐	1. Street resurfacing.
☐	2. Construction of gutters and sidewalks along existing roads.
☐	3. Reconstruction or emergency repairs of existing buildings, facilities and homes.
☐	4. Rehabilitation of existing occupied single-family homes, and buildings; provided that equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation and that the lighting associated to the new facilities is not visible directly or indirectly from a beach.
☐	5. Demolition of dilapidated single-family homes or buildings; provided that the demolition debris is disposed in certified receiving facilities; equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation.
☐	6. Rebuilding of demolished single-family homes or buildings, provided that the new construction is within the existing footprint of the previous

	structure and/or within pre- existing grassed or paved areas, and that the lighting associated to the new facilities are not visible directly or indirectly from a beach.
☐	7. Activities within existing Right of Ways (ROWs) of roads, bridges and highways, when limited to actions that do not involve cutting native vegetation or mayor earth moving; and are not located within, or adjacent to, drainages, wetlands, or aquatic systems. These activities include the installation of potable water and sanitary pipelines.
☐	8. Improvements to existing recreational facilities, including the installation of roofs to existing basketball courts, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
☐	9. Construction of electric underground systems in existing towns and communities, provided that the property is not a wetland area and the lighting associated to the facilities are not visible directly or indirectly from the beach.
☒	10. Construction of facilities on vacant properties covered with grasses in urban areas, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
☐	11. Construction of houses, buildings or acquiring lands in urban areas covered by grass for relocation of low-income families and/or facilities that have been affected by weather conditions.

December 5, 2023

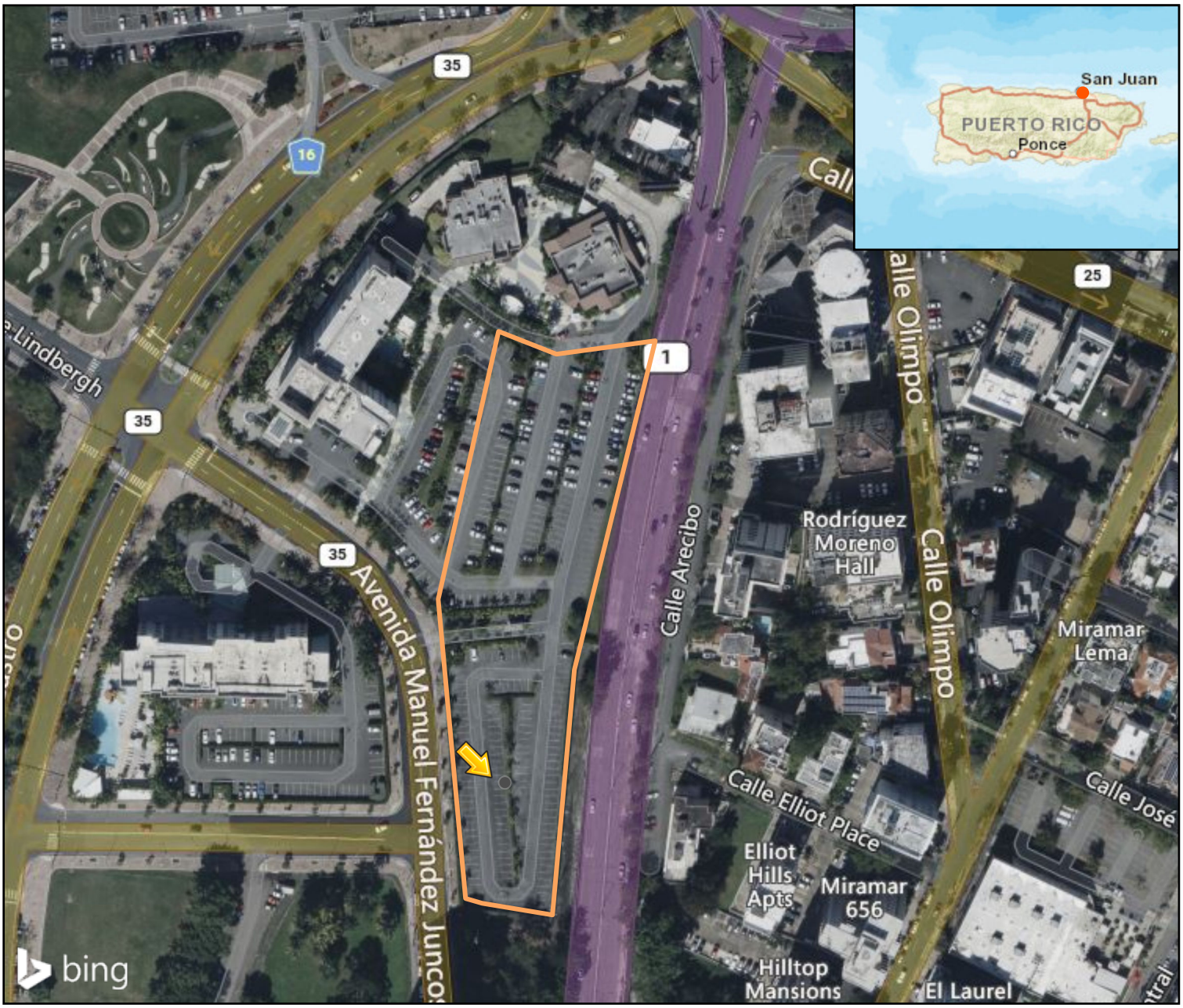
Ángel G. López-Guzmán
Deputy Director
Permits and Environmental Compliance Division

Date

Office of Disaster Recovery
Address: P.O. Box 21365 San Juan, PR 00928
Telephone and Ext: 787-274-2527 ext. 4320
Email: environmentcdbg@vivienda.pr.gov

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 Site Map



Legend

- Project site
- Project Parcel

0 0.02 0.04 0.08 mi

N W E S

12/5/2023 10:39 AM

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 Critical Habitat

Legend

USFWS_Critical_Habitat - Critical Habitat - Polygon Features - Final (agency service)

0 1.25 2.5 5 mi

N
W E
S

Endangered Species Habitat

U.S. Fish and Wildlife Service

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (787) 834-1600 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To:
Project Code: 2023-0070172
Project Name: Parcel F Hotel LLC

April 17, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

THE FOLLOWING SPECIES LIST IS NOT A SECTION 7 CONSULTATION. PLEASE CONTACT OUR OFFICE TO COMPLETE THE CONSULTATION PROCESS

The purpose of the Endangered Species Act (Act) is to provide a means whereby threatened, and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect those species and/or their designated critical habitat.

Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". The enclosed species list provides information to assist with the U.S. Fish and Wildlife Service (Service) consultation process under section 7 of the Act. However, **the enclosed species list does not complete the required consultation process.** The species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitats, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. A discussion between the Federal agency and the Service should include what types of listed species may occur in the proposed action area and what effect the proposed action may have on those species. This process initiates informal consultation.

Once a species list is obtained for the proposed project, an effect determination for endangered and threatened species should be made. The applicant could make an effect determination by using available keys on IPaC for specific species. For species with no determination keys, the applicant should request concurrence from the Service by sending a project package

to caribbean_es@fws.gov. To obtain guidance for completing this process and the minimum requirements for project packages, please visit:

https://www.fws.gov/southeast/pdf/letter/consultation-under-section-7-of-the-endangered-species-act-with-the-caribbean-ecological%20Services-field-office-template-letter.pdf

When a federal agency, after discussions with the Service, determines that the proposed action is not likely to adversely affect any listed species, or adversely modify any designated critical habitat, and the Service concurs, the informal consultation is complete, and the proposed project moves ahead. If the proposed action is suspected to affect a listed species or modify designated critical habitat, the Federal agency may then prepare a Biological Assessment (B.A.) to assist in its determination of the project's effects on species and their habitat. However, a B.A. is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a B.A. where the agency provides the Service with an evaluation on the likely effects of the action to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a B.A. are described at 50 CFR 402.12.

If a federal agency determines, based on its B.A. or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to further consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation process. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species.

This list is provided pursuant to Section 7 of the Endangered Species Act and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". Please use this list to determine whether your project requires consultation and to make your effects determination. For more guidance, use the Guideline for Consultation under Section 7 of the Endangered Species Act with the Caribbean Ecological Services Field Office by clicking here.

This species list is provided by:

Caribbean Ecological Services Field Office
caribbean_es@fws.gov

Post Office Box 491
Boqueron, PR 00622-0491
(786) 244-0081

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds
- Marine Mammals
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
(787) 834-1600

PROJECT SUMMARY

Project Code: 2023-0070172
Project Name: Parcel F Hotel LLC
Project Type: New Constr - Above Ground
Project Description: The project consists of a new hotel (Parcel F) and a parking building (Parcel G-2) on the adjacent lot, located next to each other in the San Juan Convention District. The proposed hotel will have ten (10) stories to accommodate 255 rooms and corresponding accessory uses within the same building.
Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@18.4555858,-66.08721960044541,14z

Counties: San Juan County, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
West Indian Manatee *Trichechus manatus*	Threatened

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
This species is also protected by the Marine Mammal Protection Act, and may have additional consultation requirements.
Species profile: https://ecos.fws.gov/ecp/species/4469
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/O6ZZCJ6UCJHNFOZJYSWWEVDLIQ/documents/generated/6943.pdf

REPTILES

NAME	STATUS
Puerto Rican Boa *Chilabothrus inornatus*	Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/6628
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/O6ZZCJ6UCJHNFOZJYSWWEVDLIQ/documents/generated/6941.pdf

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

---

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO FWS MIGRATORY BIRDS OF CONCERN WITHIN THE VICINITY OF YOUR PROJECT AREA.

MIGRATORY BIRDS FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list

of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?
The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?
To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?
Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects
For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical

Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?
If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report
The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

MARINE MAMMALS

Marine mammals are protected under the Marine Mammal Protection Act. Some are also protected under the Endangered Species Act[1] and the Convention on International Trade in Endangered Species of Wild Fauna and Flora[2].

The responsibilities for the protection, conservation, and management of marine mammals are shared by the U.S. Fish and Wildlife Service [responsible for otters, walruses, polar bears, manatees, and dugongs] and NOAA Fisheries[3] [responsible for seals, sea lions, whales, dolphins, and porpoises]. Marine mammals under the responsibility of NOAA Fisheries are **not** shown on this list; for additional information on those species please visit the Marine Mammals page of the NOAA Fisheries website.

The Marine Mammal Protection Act prohibits the take of marine mammals and further coordination may be necessary for project evaluation. Please contact the U.S. Fish and Wildlife Service Field Office shown.

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1. The Endangered Species Act (ESA) of 1973.
2. The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) is a treaty to ensure that international trade in plants and animals does not threaten their survival in the wild.
3. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

NAME

West Indian Manatee *Trichechus manatus*

Species profile: https://ecos.fws.gov/ecp/species/4469

WETLANDS

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

IPAC USER CONTACT INFORMATION

Agency: CMA Architects & Engineers LLC
Name: Pedro Janer
Address: 1509 FD Roosevelt Ave. Suite 200
City: Guaynabo
State: PR
Zip: 00968-2706
Email srjaner@icloud.com
Phone: 7873127978

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development
Name: Pedro Janer
Email: pjaner@cmapr.com

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Explosive and Flammable Hazards (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities

1. **Does the proposed HUD-assisted project include a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?**

   ☒ No
   → *Continue to Question 2.*

   ☐ Yes
   Explain:
   Click here to enter text.
   → *Continue to Question 5.*

2. **Does this project include any of the following activities: development, construction, rehabilitation that will increase residential densities or conversion?**

   ☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

   ☒ Yes → *Continue to Question 3.*

3. **Within 1 mile of the project site, are there any current *or planned* stationary aboveground storage containers:**
   - Of more than 100-gallon capacity, containing common liquid industrial fuels OR
   - Of any capacity containing hazardous liquids or gases that are not common liquid industrial fuels?

   ☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide all documents used to make your determination.*

   ☒ Yes → *Continue to Question 4.*

4. **Is the Separation Distance from the project acceptable based on standards in the Regulation?**
   Please visit HUD's website for information on calculating Acceptable Separation Distance.

   ☐ Yes
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."

☒ No

→ *Continue to Question 6.*

Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."

5. **Is the hazardous facility located at an acceptable separation distance from residences and any other facility or area where people may congregate or be present?**

Please visit HUD's website for information on calculating Acceptable Separation Distance.

☐ Yes

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.

☐ No

→ *Continue to Question 6.*

Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.

6. **For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to make the Separation Distance acceptable, including the timeline for implementation. If negative effects cannot be mitigated, cancel the project at this location.**

Note that only licensed professional engineers should design and implement blast barriers. If a barrier will be used or the project will be modified to compensate for an unacceptable separation distance, provide approval from a licensed professional engineer.

Multiple buildings are present in the 'line of sight' between the assessed tank and the project site. These buildings would function as man-made barriers, blocking the thermal radiation in the event of an explosion.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

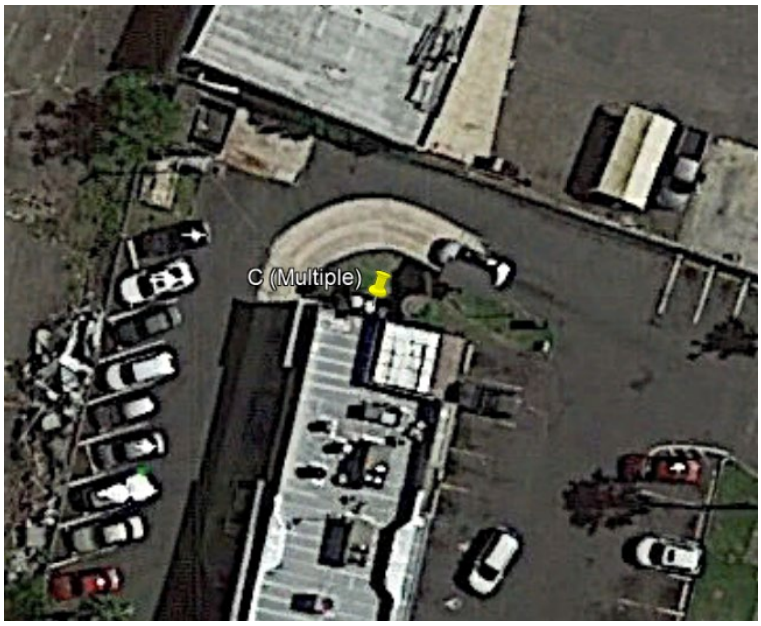
Include all documentation supporting your findings in your submission to HUD.

Aboveground Storage Tank (AST) Summary

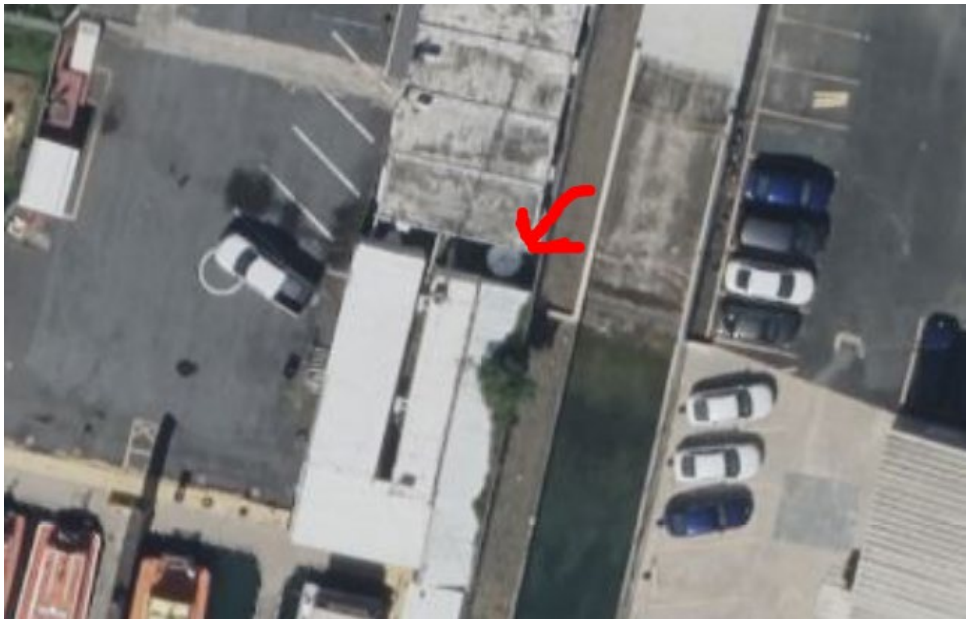
Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
A	18.462348, -66.097377	2298	527	0.77 / 4,050

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
B	18.463233, -66.097749	258	47	0.82 / 4,320

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles/feet)
C (Multiple)	18.463023, -66.093530	128	21	0.60 / 3,185

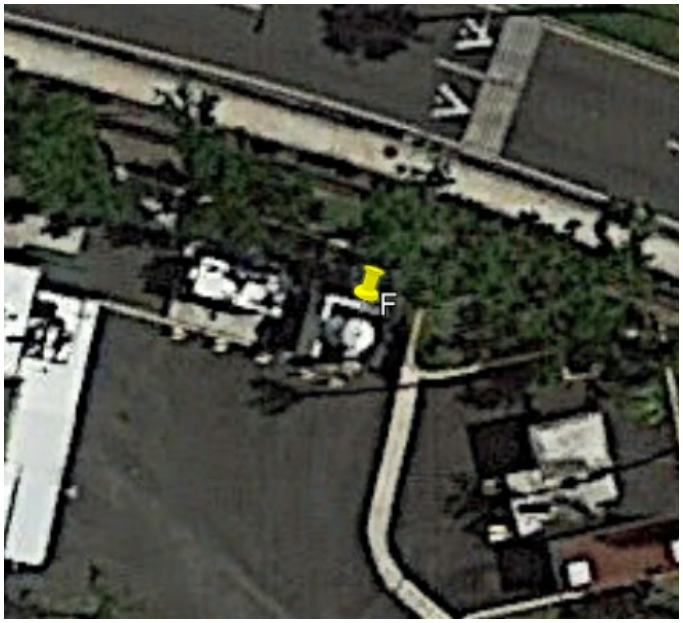


Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
D	18.460850, -66.090647	344	64	0.37 / 1,976



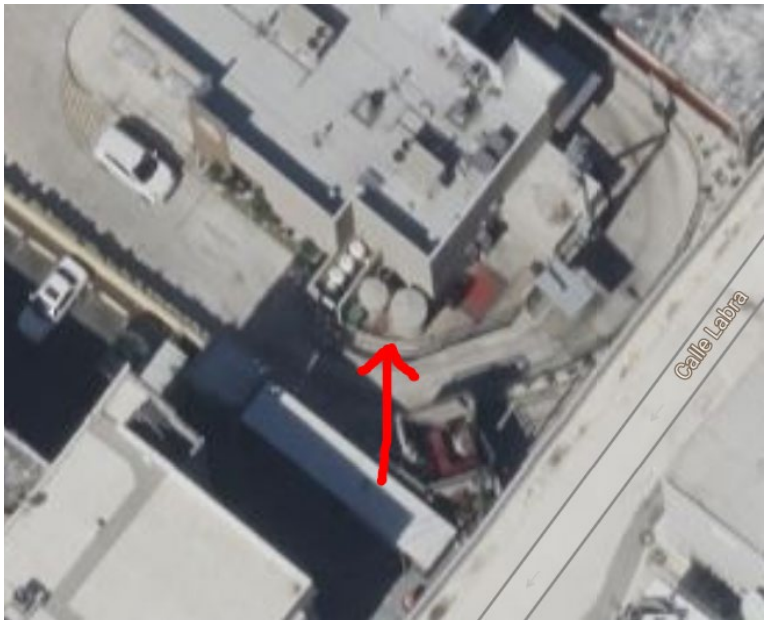
Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
E (Multiple)	18.461689, -66.089770	305	56	0.39 / 2,050

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
F	18.461542, -66.089169	344	64	0.37 / 1,929



Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
G	18.452328, -66.079321	1,628	360	0.53 / 2,805

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
H (Multiple)	18.451022, -66.073928	305	56	0.90 / 4,748

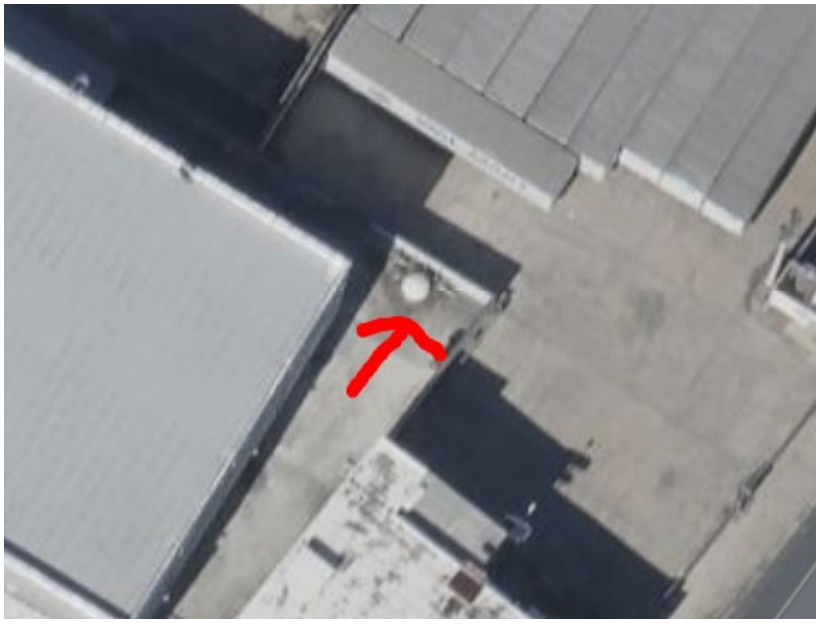


Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
I	18.449517, -66.076621	544	107	0.77 / 4,079

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
J	18.449261, -66.076700	447	86	0.78 / 4,092

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
K	18.449243, -66.074354	978	204	0.92 / 4,835

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
L	18.446716, -66.076164	305	56	0.90 / 4,758



Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
M (Multiple)	18.446376, -66.076943	129	21	0.87 / 4,610

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
N	18.448346, -66.084504	986	206	0.47 / 2,465

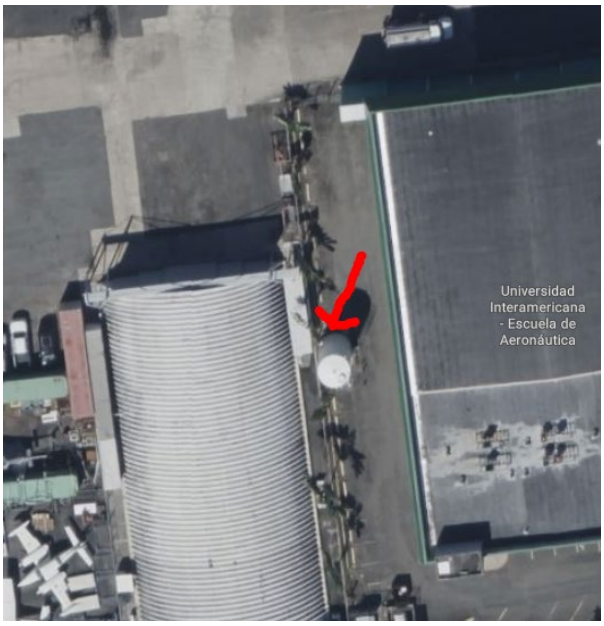
Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
O	18.450753, -66.085079	4,111	1,005	0.29 / 1,535


HHH Hotel
Academia del Perpetuo Socorro
Layers
2D
Google 100% Data attribution 4/9/2016
60 m
Camera: 251 m 18°27'01"N 66°05'06"W 8 m


El Capitolio
HHH Hotel
Luis Muñoz Rivera Park
Techneart.org
Layers
2D
Google 100% Data attribution 4/9/2016
60 m
Camera: 64 m 18°27'12"N 66°05'07"W 26 m


El Capitolio
Luis Muñoz Rivera Park
Techneart.org
Layers
2D
Google 100% Data attribution 4/9/2016
60 m
Camera: 64 m 18°27'12"N 66°05'07"W 26 m

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
P	18.455320, -66.100807	797	163	0.86 / 4,550



Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
Q	18.455965, -66.098054	218	39	0.68 / 3,596

Tank ID	Coordinates	ASD for People (feet)	ASD for Buildings (feet)	Distance to Project Site (miles / feet)
R	18.458673, -66.095734	1,484	324	0.56 / 2,962

Tank A

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	161133
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	2297.80
ASD for Thermal Radiation for Buildings (ASDBPU)	526.96
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank B

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	845
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	257.83
ASD for Thermal Radiation for Buildings (ASDBPU)	46.51
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank C (Multiple)

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	158
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	128.22
ASD for Thermal Radiation for Buildings (ASDBPU)	21.43
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank D

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1691
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	344.23
ASD for Thermal Radiation for Buildings (ASDBPU)	64.10
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank E (Multiple)

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1268
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	305.32
ASD for Thermal Radiation for Buildings (ASDBPU)	56.11
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank F

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1691
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	344.23
ASD for Thermal Radiation for Buildings (ASDBPU)	64.10
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank G

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	70466
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	1628.05
ASD for Thermal Radiation for Buildings (ASDBPU)	359.52
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank H (Multiple)

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1269
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	305.42
ASD for Thermal Radiation for Buildings (ASDBPU)	56.13
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

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Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank I

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	5074
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	544.06
ASD for Thermal Radiation for Buildings (ASDBPU)	106.53
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank J

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	3171
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	447.30
ASD for Thermal Radiation for Buildings (ASDBPU)	85.72
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank K

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	20717
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	977.65
ASD for Thermal Radiation for Buildings (ASDBPU)	204.14
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

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Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank L

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1268
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	305.32
ASD for Thermal Radiation for Buildings (ASDBPU)	56.11
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank M (Multiple)

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	159
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	128.56
ASD for Thermal Radiation for Buildings (ASDBPU)	21.49
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank N

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	21140
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Thermal Radiation for People (ASDPPU)	985.91
ASD for Thermal Radiation for Buildings (ASDBPU)	206.06
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank O (Assessed Site)

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☑ **No:** ☐
Does the container hold a cryogenic liquified gas?	**Yes:** ☑ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	651000
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	4110.91
ASD for Thermal Radiation for Buildings (ASDBPU)	1004.89
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank P

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	12684
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	796.92
ASD for Thermal Radiation for Buildings (ASDBPU)	162.72
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank Q

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	564
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	217.86
ASD for Thermal Radiation for Buildings (ASDBPU)	38.58
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

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Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

Tank R

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft^2 - hr - people and 10,000 BTU/ft^2 - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Sitting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	56373
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	

ASD for Blast Overpressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	1483.53
ASD for Thermal Radiation for Buildings (ASDBPU)	324.28
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options **(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)**

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us (https://www.hudexchange.info/contact-us/)** form.

Related Information

- **ASD User Guide (/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)**
- **ASD Flow Chart (/resource/3840/acceptable-separation-distance-asd-flowchart/)**

OMB No. 2506-0177
(exp.9/30/2021)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Farmlands Protection (CEST and EA) - PARTNER

https://www.hudexchange.info/environmental-review/farmlands-protection

1. **Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use?**
   ☐ Yes → *Continue to Question 2.*
   ☒ No
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. **Does "important farmland," including prime farmland, unique farmland, or farmland of statewide or local importance regulated under the Farmland Protection Policy Act, occur on the project site?**
   You may use the links below to determine important farmland occurs on the project site:
   - Utilize USDA Natural Resources Conservation Service's (NRCS) Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm
   - Check with your city or county's planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as non-agricultural does not exempt it from FPPA requirements)
   - Contact NRCS at the local USDA service center http://offices.sc.egov.usda.gov/locator/app?agency=nrcs or your NRCS state soil scientist http://soils.usda.gov/contact/state_offices/ for assistance

   ☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

   ☐ Yes → *Continue to Question 3.*

3. **Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.**
   - Complete form **AD-1006**, "Farmland Conversion Impact Rating" and contact the state soil scientist before sending it to the local NRCS District Conservationist.
   - Work with NRCS to minimize the impact of the project on the protected farmland. When you have finished with your analysis, return a copy of form AD-1006 to the USDA-NRCS State Soil Scientist or his/her designee informing them of your determination.

   Work with the RE/HUD to determine how the project will proceed. Document the conclusion:

☐Project will proceed with mitigation.

Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

☐Project will proceed without mitigation.

Explain why mitigation will not be made here:

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project area is developed and is located at the Conventions District in San Juan, Puerto Rico. The Land Use Plan for the municipality of San Juan classifies the area as Tourist-Commercial. A copy of the San Juan Zoning Map is included. A Map of Farmlands areas prepared by the NRCS is included.

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Floodplain Management (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/floodplain-management

1. **Does 24 CFR 55.12(c) exempt this project from compliance with HUD's floodplain management regulations in Part 55?**

   ☐ Yes

   Provide the applicable citation at 24 CFR 55.12(c) here. If project is exempt under 55.12(c)(6) or (8), provide supporting documentation.

   Click here to enter text.

   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary.*

   ☒ No → *Continue to Question 2.*

2. **Provide a FEMA/FIRM map showing the site.**

   The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs).

   Does your project occur in a floodplain?

   ☒ No → *Continue to the Worksheet Summary below.*

   ☐ Yes

   Select the applicable floodplain using the FEMA map or the best available information:

   ☐ Floodway → *Continue to Question 3, Floodways*

   ☐ Coastal High Hazard Area (V Zone) → *Continue to Question 4, Coastal High Hazard Areas*

   ☐ 500-year floodplain (B Zone or shaded X Zone) → *Continue to Question 5, 500-year Floodplains*

   ☐ 100-year floodplain (A Zone) → *The 8-Step Process is required. Continue to Question 6, 8-Step Process*

3. **Floodways**

   Is this a functionally dependent use?

   ☐ Yes

The 8-Step Process is required. Work with HUD or the RE to assist with the 8-Step Process.
→ *Continue to Worksheet Summary.*

☐ No → *Federal assistance may not be used at this location unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

4. **Coastal High Hazard Area**

Is this a critical action such as a hospital, nursing home, fire station, or police station?

☐ Yes → *Critical actions are prohibited in coastal high hazard areas unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

☐ No

Does this action include new construction that is not a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster?

☐ Yes, there is new construction of something that is not a functionally dependent use. New construction must be designed to FEMA standards for V Zones at 44 CFR 60.3(e) (24 CFR 55.1(c)(3)(i)).
→ *Continue to Question 6, 8-Step Process*

☐ No, this action concerns only existing construction.
Existing construction must have met FEMA elevation and construction standards for a coastal high hazard area or other standards applicable at the time of construction.
→ *Continue to Question 6, 8-Step Process*

5. **500-year Floodplain**

Is this a critical action?

☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary below.*

☐Yes → *Continue to Question 6, 8-Step Process*

6. **8-Step Process**.

Is this 8-Step Process required? Select one of the following options:

☐ 8-Step Process applies.
This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements.
→ *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

☐ 5-Step Process is applicable per 55.12(a)(1-4).
Provide the applicable citation at 24 CFR 55.12(a) here.
Click here to enter text.
→ *Work with the RE/HUD to assist with the 5-Step Process. Continue to Worksheet Summary.*

☐ 8-Step Process is inapplicable per 55.12(b)(1-5).
Provide the applicable citation at 24 CFR 55.12(b) here.

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project site is not located in the 100-year floodplain. The project site is located completely within zone X as shown in FEMA's Effective Firm (Panel 72000C0355J, eff. 11/18/2009). Therefore, flood insurance is not required". A copy of this panel depicting the project area is inclued. This project is in compliance with Flood Insurance.

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Historic Preservation (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/historic-preservation

Threshold

Is Section 106 review required for your project?

☐ No, because a Programmatic Agreement states that all activities included in this project are exempt. (See the PA Database to find applicable PAs.)
Either provide the PA itself or a link to it here. Mark the applicable exemptions or include the text here:
Click here to enter text.
→ *Continue to the Worksheet Summary.*

☐ No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].
Either provide the memo itself or a link to it here. Explain and justify the other determination here:
Click here to enter text.
→ *Continue to the Worksheet Summary.*

☒Yes, because the project includes activities that can potentially cause effects (direct or indirect).
→ *Continue to Step 1.*

The Section 106 Process
After determining the need to do a Section 106 review, HUD or the RE will initiate a consultation with regulatory and other interested parties, identify and evaluate historic properties, assess the effects of the project on properties listed on or eligible for the National Register of Historic Places, and resolve any adverse effects through project design modifications or mitigation.
Step 1: Initiate consultation
Step 2: Identify and evaluate historic properties
Step 3: Assess the effects of the project on historic properties
Step 4: Resolve any adverse effects

Only RE or HUD staff may initiate the Section 106 consultation process. Partner entities may gather information, including from SHPO records, identify and evaluate historic properties, and make initial assessments of project effects on properties listed in or eligible for the National Register of Historic Place. Partners should then provide their RE or HUD with all of their analysis and documentation so that they may initiate a consultation.

Step 1 - Initiate Consultation

The following parties are entitled to participate in Section 106 reviews: Advisory Council on Historic Preservation; State Historic Preservation Officers (SHPOs); federally recognized Indian tribes/Tribal Historic Preservation Officers (THPOs); Native Hawaiian Organizations (NHOs); local governments; and project grantees. The general public and individuals and organizations with a demonstrated interest in a project may participate as consulting parties at the discretion of the RE or HUD official. Participation varies with the nature and scope of a project. Refer to HUD's website for guidance on consultation, including the required timeframes for response. Consultation should begin early to enable full consideration of preservation options.

Use the When To Consult With Tribes checklist within Notice CPD-12-006: Process for Tribal Consultation to determine if the RE or HUD should invite tribes to consult on a particular project. Use the Tribal Directory Assessment Tool (TDAT) to identify tribes that may be interested in the area where the project is located. Note that only HUD or the RE may initiate a consultation with Tribes. Partner entities may prepare a draft letter for the RE or HUD to initiate a consultation with tribes but may not send it themselves.

List all organizations and individuals that you believe may have an interest in the project here:

- Puerto Rico Institute of Culture – Endorsement letter included in Appendix B.
- State Historic Preservation Office

→ *Continue to Step 2.*

Step 2 - Identify and Evaluate Historic Properties

Provide a preliminary definition of the Area of Potential Effect (APE), either by entering the address(es) or providing a map depicting the APE. Attach an additional page if necessary.
We estimate the Area of Potential Effect (APE) is a radius of about 0.25 miles. See Attached aerial photo depicting the APE radius.

Gather information about known historic properties in the APE. Historic buildings, districts and archeological sites may have been identified in local, state, and national surveys and registers, local historic districts, municipal plans, town and county histories, and local history websites. If not already listed on the National Register of Historic Places, identified properties are then evaluated to see if they are eligible for the National Register. Refer to HUD's website for guidance on identifying and evaluating historic properties.

In the space below, list historic properties identified and evaluated in the APE.
Every historic property that may be affected by the project should be listed. For each historic property or district, including the National Register status, whether the SHPO has concurred with the finding, and whether information on the site is sensitive. Attach an additional page if necessary.
Click here to enter text.

Provide the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination.

Was a survey of historic buildings and/or archeological sites done as part of the project?

If the APE contains previously unsurveyed buildings or structures over 50 years old, or there is a likely presence of previously unsurveyed archeological sites, a survey may be necessary. For Archeological surveys, refer to HP Fact Sheet #6, Guidance on Archeological Investigations in HUD Projects.

☐ Yes → *Provide survey(s) and report(s) and continue to Step 3.*
Additional notes:
Click here to enter text.

☒ No → *Continue to Step 3.*

Step 3 - Assess the Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. (36 CFR 800.5) Consider direct and indirect effects as applicable as per HUD guidance.

Choose one of the findings below to recommend to the RE or HUD.
Please note: this is a recommendation only. It is **not** the official finding, which will be made by the RE or HUD, but only your suggestion as a Partner entity.

☐ No Historic Properties Affected
Document reason for finding:
☒ No historic properties present.
☐ Historic properties present, but project will have no effect upon them.

☒ No Adverse Effect
Document the reason for finding and provide any comments below.
Comments may include recommendations for mitigation, monitoring, a plan for unanticipated discoveries, etc.

A SOI-qualified architect and archaeologist prepared a Section 106 NHPA Effect Determination included at the end of this document. In a letter dated November 10, 2023, SHIPO concurred with the determination of NHPA made by the SOI-qualified staff. A copy of this determination is included. This project is in compliance with the National Historic Preservation Act.

☐ Adverse Effect
Document reason for finding:
Copy and paste applicable Criteria into the text box with a summary and justification.
Criteria of Adverse Effect: 36 CFR 800.5]
Click here to enter text.

Provide any comments below:

Remember to provide all documentation that justifies your National Register Status determination and recommendations along with this worksheet.

GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE
Executive Director I Carlos A. Rubio-Cancela I carubio@prshpo.pr.gov

Friday, November 10, 2023

Lauren Bair Poche
Historic Preservation Senior Manager
HORNE Puerto Rico
10000 Perkins Rowe, Suite 610 Bldg G
Baton Rouge, LA 70810

SHPO: 11-03-23-01 PR-IPG-000306 HILTON-HAMPTON-HOMEWOOD HOTEL, BLVD. BALDORIOTY DE CASTRO AVE. FERNÁNDEZ JUNCOS AND CALLE BILLIAN, BO. MIRAMAR, PARCEL F AND PARCEL G-2, DISTRITO DEL CENTRO DE CONVENCIONES, SAN JUAN, PUERTO RICO

Dear Ms. Poche,

The SHPO has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the National Historic Preservation Act, as amended) and 36 CFR Part 800: *Protection of Historic Properties*. The State Historic Preservation Officer (SHPO) is to advise and assist federal agencies and other responsible entities when identifying historic properties, assessing effects upon them, and considering alternatives to avoid or reduce the project's effects.

Our records support your finding that the proposed undertaking will have **no adverse effect** upon historic properties.

If you have any questions or comments regarding this matter or require our further assistance, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio-Cancela
State Historic Preservation Officer

CARC/GMO/MB/SG

SHPO
OFICINA ESTATAL DE CONSERVACIÓN HISTÓRICA
OFICINA DEL GOBERNADOR
STATE HISTORIC PRESERVATION OFFICE
OFFICE OF THE GOVERNOR
OECH

-PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	
Subrecipient: Municipality of San Juan	
Project Name: Hilton HWS & HI San Juan City Center	Project ID: PR-CRP-000306

Project Location: Blvd. Baldorioty de Castro, Ave. Fernández Juncos & Calle Billian, Miramar, San Juan, Parcel F and Parcel G-2, Distrito del Centro de Convenciones	
Project Coordinates: x: 236558.7345, y: 268861.4730	
TPID (Número de Catastro): 040-037-001-10	
Type of Undertaking: ☐ Substantial Repair ☒ New Construction	
Construction Date (AH est.): N/A	Property Size (acres): 2.0911

SOI-Qualified Architect/Architectural Historian: Ariel Vera, RA
Date Reviewed: October 20, 2023
SOI-Qualified Archaeologist: Jesus E. Vega, Ph.D.
Date Reviewed: October 18, 2023

In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the NRHP, and any properties not listed that would be considered eligible for listing that are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties.

Project Description (Undertaking)

Hilton HWS & HI San Juan City Center are continuing the revitalization of the Convention Center District located in Miramar, within the Santurce Ward, Municipality of San Juan, with a new hotel and a multi-story parking building. The direct Area of Potential Effect (APE) measures 2.0911 acres, equivalent to 2.1531 *cuerdas* or 8,462.37 square meters, immediately west of the Luis Muñoz Rivera Expressway (State Road PR-1). The project is divided into Phase 1 (new parking building) immediately south of Olive Garden and Longhorn Restaurants, and east of the Hyatt House Extended-Stay Hotel, and Phase 2 (new hotel) south of Phase 1 and east of the Hyatt Place San Juan Hotel. The land is urban (UI, SU in Spanish), classified as non-floodable by FEMA, and CT by the Puerto Rico Planning Board, for commerce and tourism.

The following activities are proposed by this undertaking:

- Demolition of the existing ground level parking south of the restaurants
- Construction of a seven-story hotel for 257 rooms
- Construction of multi-story parking building for approximately 400 vehicles
- Installation of new electric sub-station and generator, utilities and public lights

- The Longhorn and Olive Garden Restaurants and parking entrance will not be affected, nor the protected remnant of a Spanish barrack north of Olive Garden

Area of Potential Effects

As defined in 36 CFR §800.16(d), the Area of Potential Effect (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties, if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project encompasses 2.0911 acres (2.1531 *cuerdas*) of flat, urban land impacted by numerous multi-story constructions and demolitions in the 20th century. The parcel is located immediately west of the Luis Muñoz Rivera Expressway, south of the Olive Garden Restaurant, and east of the Hyatt House Extended-Stay Hotel, Hyatt Place San Juan Hotel, Billian Street (previously Manuel Fernández Juncos Avenue), and the intersection with Paseo Isla Grande. The south end of the direct APE faces a vacant lot with secondary forest vegetation cover. The direct and indirect APEs have been intensively studied, including Phase 2 and Phase 3 archaeological excavations within and beyond the parcel. A protected area containing the remains of an early 19th century Spanish barrack is located north of the Olive Garden Restaurant, 0.03 miles north of the direct APE.

The construction area is approximately 205 meters long, measured north to south. The existing Olive Garden and Longhorn Restaurants are located within the Convention Center District, but outside of the direct APE. The small remnants of the Spanish barrack, located at the rear of Oliver Garden, were built c.1800 to 1805. This historic archaeological site is limited to approximately 1.5 square meters of brick floor *in situ* and masonry foundations. The barrack was demolished by construction of two multi-story concrete buildings between 1934 and 1937. The buried remnants of the Spanish barrack continue north beyond the concrete wall at the property line of the Convention District Center, into the triangular-shaped lot of the Edificio Figueroa, now the *Bufete de Abogados* or Law Offices of Pinto-Lugo, Oliveras & Ortiz. The Edificio Figueroa was built in 1936 and listed in the National Register of Historic Places (NRHP) in 2000.

The rubble of a Spanish brick structure was discovered in a Phase 1B study by Norma Medina Carrillo in 2003, confirmed by a Phase 2 study by the same archaeologist in 2003. The masonry rubble was detected under 80 centimeters of artificial fill. The site was excavated, identified as a Spanish barrack built c.1800 for the *milicias disciplinadas* of San Juan, and preserved by the northeast property line of the Convention District Center by

the author (Vega 2015), with the assistance and support of PRISA Group, which is also developing the new hotel. The barrack site continues into the Edificio Figueroa lot, presumably impacted by the installation of a large billboard tower in 2015, immediately north of the property line. The direct APE of this undertaking is located between two historic districts, the demolished Naval Air Station to the west, and the preserved, historic upper-crust community of Miramar to the east. This lot, identified as Parcel B, was never a part of the Naval Air Station. To the east, it was visually and socially separated from the hill of Miramar by the railway tracks running north at Avenida Oeste. The tracks and the avenue have long been replaced by car traffic on the Luis Muñoz Rivera Expressway.

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program-contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is within a quarter-mile radius of sixteen recorded archaeological sites and/or NRHP listed/eligible historic properties within the Municipality of San Juan, described below, highlighted in aerial and topographic maps included. "No data" denotes no corresponding Institute of Puerto Rican Culture (IPRC), Puerto Rico State Historic Preservation Office (PRSHPO), or National Register of Historic Places (NRHP) identification was found.

Table 1. Archaeological Sites and/or NRHP Listed/Eligible Historic Properties Within Quarter-Mile Radius of Project Area

#	Name	SHPO ID	IPRC ID	Location	Description	NRHP
1	Playita	SJ0100005	SJ-5	0.16 mi NE	Subtle remnants of prehistoric site with sparse shells and ceramic shards on the northwest shore of Condado Lagoon, impacted by construction of historic bridges and the Miramar Fountain	No data
2	Paso de San Antonio	SJ0100001	SJ-37	0.18 mi N	San Antonio Channel, a Pleistocene paleo-river, was a shallow estuarine outlet of San Juan Bay in	No data

					the 16th century. During the British invasion of 1598, George Clifford, Earl of Cumberland, nearly drowned while wading it to enter San Juan Islet. This is the terrestrial access to San Juan since 1519, with numerous bridge constructions.	
3	Distrito del Centro de Convencione s	SJ0100023	SJ-23	<0.01 mi W	Site of the San Juan Naval Air Station, built from 1935 to 1939 in preparation for the Second World War, transferred to U.S. Coast Guard, and then to the Government of Puerto Rico in 1971, demolished in 1999.	No data
4	Edificio Figueroa, Pinto-Lugo & Rivera Building; Bufete de Abogados Pinto-Lugo, Oliveras & Ortiz	SJ0200047	SJ-83	0.05 mi NE	Two-story concrete building presumably designed by Armando Morales Cano, with Art Deco and Spanish Revival influences, built in 1936, listed in the NRHP in 2000 under Criterion C, with rooftop addition in 1989. Originally facing the old Lindberg Street, it was visually and physically segregated from Miramar by the Luis Muñoz Rivera Expressway.	00001124
5	Capilla Nuestra Señora de Lourdes; Iglesia Metodista Episcopal	SJ0200014	SJ-50	0.11 mi NE	Neo-Gothic chapel designed by Antonin Nechodoma for the Methodist Episcopal Church, built between 1907 and 1908, acquired by the Union Church in 1917, then by the Catholic Church in 1959, listed in the NRHP in 1984.	84003171
6	Puente 1571; Puente del	No data	No data	0.19 mi NE	Historic concrete bridge built by Etienne Totti in	09000789

	Ferrocarril sobre Caño San Antonio				1932, replacing steel bridge built c.1890. The concrete bridge was abandoned in 1957.	
7	Puente del Tranvía sobre Caño San Antonio; Trolley Bridge	No data	No data	0.19 mi NE	Steel bridge built in 1885 for the trolley from Old San Juan Santurce, with concrete abutment preserved on south shore, and bases of steel piles rediscovered under water.	No data
8	Puente 86; Puente del Agua; Puente de los Soldados; Puente Esteves	No data	No data	0.19 mi NE	Terrestrial entry to San Juan since 1519 *pedraplén* to 1927 Guillermo Esteves Bridge, designed by Rafael Carmoega, replaced with archaeological supervision in 1995, detecting features of 19th century bridges, followed by 1997 study of Bridgehead San Antonio and discovery of its small pier.	No data
9	Puente #1 San Antonio	No data	No data	0.17 mi N	Concrete bridge built in 1935, designed by Rafael Nones, replaced under archaeological monitoring in 1995.	No data
10	Puente 1750; Puente Dos Hermanos; Puente del Condado	No data	No data	0.24 mi NE	Behn Brothers Bridge built in wood in 1908-1909, replaced in concrete in 1981, evaluated in 1998 and replaced again in 2010 with archaeological monitoring, with ruins of Bridgehead San Antonio under its west abutment.	No data
11	Residencia en Calle McKinley 665	SJ0200043	SJ-79	0.22 mi E	Single-story, Criollo–style residence, built in 1906 with wood reinforced with concrete.	91001502
12	Fortín San Antonio; Cabeza de Puente San	SJ0200004	SJ-40	0.24 mi NE	Remnants of masonry bridgehead under the north abutment of Esteves Bridge and west abutment	No data

	Antonio				of Condado Bridge, protecting terrestrial entry to San Juan Islet in the late 18th century.	
13	Línea Avanzada; Primera Línea de Defensa	No data	No data	0.24 mi NE	Discontinuous district including masonry-built Fort San Gerónimo, Bridgehead San Antonio, Battery Escambrón, San Gerónimo Powderhouse and masonry walls of east San Juan Islet.	97001136
14	La Giralda	SJ0200056	SJ-92	0.12 mi SE	Four-story concrete residence combining Neoclassical and Victorian design, built c.1910.	08000786
15	Barracón	No data	No data	0.03 mi N	Spanish barrack built c.1800 to 1805, used as boat mechanic's shop c.1904, destroyed by construction of multi-story buildings c.1923 to 1937, on periphery of the San Juan Naval Air Station.	No data
16	Parcela B; Americas World Trade District	No data	No data	0.00 mi	Sparse, late historic materials impacted by construction of multi-story buildings c.1923 to 1970, mostly detected in fill, including parts of sculptures, bottles, and shells tentatively associated with an early 20th century button factory.	No data

Table 2. Cultural Resource Studies Conducted Within Quarter-Mile Radius of Project Area

ID	Author	Title	Year	SHPO/IPRC ID	Results	Location
A	Norma Medina Carrillo & Héctor Santiago Cazull	Phase 1A-1B, Prospección Arqueologica, Nuevo Distrito del Centro de Convenciones	1998	06-24-98-05; CAT-SJ-B-98-06-04	Positive	0.02 mi W
B	Luis Pumarada	Phase 1A-1B,	1993	02-01-93-01; CAT-	Positive	0.17 mi NE

	O'Neill	Alternativas Mitigación Para los Puentes del Caño San Antonio		SJ-B-93-15-01		
C	Daniel Molina Feal	Phase 1A-1B, Puentes Número 1 y 86, Caño San Antonio	1992	02-01-93-01; CAT-SJ-B-92-04-04	Negative	0.17 mi NE
D	Jesus E. Vega	Phase 2, Reemplazo de los puentes Núm. 1 y 86, Caño San Antonio	1995	02-01-93-01; CAT-SJ-B-95-05-04	Positive	0.17 mi NE
E	Jesus E. Vega	Phase 2, Site Delimitation of Fort San Antonio, Esteves Bridge, San Juan	1997	02-01-93-01; CAT-SJ-A-97-09-05	Positive	0.24 mi NE
F	Jesus E. Vega	Phase 2, Replacement of Dos Hermanos Bridge, No. 1750, Submerged Evaluation	1998	07-22-96-02	Positive	0.25 mi NE
G	Jesus E. Vega	Monitoring, Replacement of Dos Hermanos Bridge, No. 1750	2010	07-22-96-02	Positive	0.25 mi NE
H	Norma Medina Carrillo	Phase 1A, Base Naval de Isla Grande, Nuevo Distrito del Centro de Convenciones	1999	CAT-SJ-B-99-07-02	Positive	0.02 mi W
I	Norma Medina Carrillo	Phase 1B, Americas World Trade Center Parcela B, Prospección Arqueológica	2000	CAT-SJ-B-00-08-04	Positive	0.00 mi
J	Norma Medina Carrillo	Phase 2, Informe Final, Evaluación Arqueologica, Distrito del Centro de Convenciones	2003	CAT-SJ-B-03-10-04	Positive	0.00 mi
K	Jesus E. Vega	Phase 3, Informe Final de Campo, Mitigación Arql. Parcela B, Distrito del Centro de Convenciones	2015	CAT-SJ-B-15-24-03	Positive	0.03 mi N
L	Jesus E. Vega	Phase 3, Informe Final, Mitigación Arq. Parcela B, Distrito del Centro de Convenciones	2015	CAT-SJ-B-15-24-04	Positive	0.03 mi N
M	Miguel	Phase 1A-1B, Pisos de	1985	CAT-SJ-B-85-01-	Negative	0.09 mi SE

	Rodríguez López	Miramar		01		
N	Daniel Molina Feal	Phase 1A-1B, Terrenos Propuestos Para el Anexo al Departamento de Justicia, Calle Olimpo	1989	CAT-SJ-B-89-02-08	Negative	0.02 mi E
O	Jaime G. Vélez Vélez	Phase 1A-1B, Residencia Colón Rodríguez	2005	CAT-SJ-B-05-12-03	Negative	0.12 mi SE
P	Agamemnon Gus Pantel	Phase 1A, Boulevard Baldorioty de Castro	1999	CAT-SJ-B-92-04-06	Negative	0.09 mi NE
Q	Norma Medina Carrillo	Phase 1A-1B, Troncal Sanitaria Baldoriotiy de Castro	1999	CAT-SJ-B-99-07-02	Negative	0.09 mi NE
R	Miguel Rodríguez López	Phase 1A, Conductos para Fibra Óptica Área Metropolitana	2000	CAT-SJ-B-00-08-02	Negative	0.07 mi NE
S	Aramis Font Negrón	Phase 1A, Mejoras Intersección Núm. 5, Miramar	2003	CAT-SJ-B-03-10-01	Negative	0.06 mi E
T	Eduardo Rodríguez Questell	Phase 1A-1B, Aquamar	2006	CAT-SJ-B-06-20-02	Negative	<0.01 mi S
U	Antonio Daubón Vidal	Phase 1A, Mejoras Hotel Las Américas	2010	CAT-SJ-B-10-22-02	Negative	0.07 mi E
V	Aramis Font Negrón	Phase 1B, Condominio Azure	2008	CAT-SJ-B-08-22-03	Negative	0.20 mi NE
W	Héctor Santiago Cazull	Análisis del Inventario Historico-Arquitectónico de la Base Naval Aérea de Isla Grande	1999	CAT-SJ-B-99-06-09	Positive	0.02 mi W
X	Marisol Meléndez Garayalde	Phase 1A, Eliminación de Estación de Bombas de Colomer y Cambio en la Alineación de la Nueva Troncal Sanitaria, Barrio Santurce	2005	CAT-SJ-B-05-13-05	Negative	0.19 mi NE
Y	Eduardo Questell Rodríguez	Phase 2 & 3, Condado Lagoon Monument Plaza	1988	CAT-SJ-B-88-02-02	Negative	0.16 mi NE
Z	Antonio Daubón Vidal	Phase 1A-1B, Troncal Sanitaria Baldorioty de	1999	CAT-SJ-B-99-07-02	Negative	0.16 mi NE

		Castro, Eliminación de Bombas Colomer, Calle Wilson				
AA	José E. Marull	Línea Avanzada National Register of Historic Places Registration Form	1997	97001136	Positive	0.24 mi NE
BB	José N. Ramírez & José E. Marull	665 McKinley St. National Register of Historic Places Registration Form	1991	91001502	Positive	0.22 mi E
CC	Héctor Santiago Cazull	Figueroa Apartments, Pinto-Lugo & Rivera Building National Register of Historic Places Registration Form	2000	00001124	Positive	0.05 mi NE
DD	Berenice Suero & Juan Llanes Santos	La Giralda National Register of Historic Places Registration Form	2008	08000786	Positive	0.12 mi SE
EE	Marisa Gómez & Ester Cardona	Capilla de Nuestra Señora de Lourdes National Register of Historic Places Registration Form	1984	84003171	Positive	0.11 mi NE
FF	Herminio Rodríguez Morales	Phase 1A-1B, Harborside Mansions	1987	CAT-SJ-B-88-02-02	Negative	0.11 mi NE

Cultural Setting

The Municipality of San Juan is located on the north coast of Puerto Rico, including the Santurce Ward, separated from San Juan islet by the San Antonio Channel. The proposed undertaking is located at Miramar, at the northeast corner of the Convention Center District. Most of the area occupied by the Convention Center District was known as Isla Grande in the 20th century, and Miraflores from the 16th to the 19th century. Isla Grande received extensive artificial fill (af) in the 1920s and 1930s, uniting various small islets of the San Juan Bay Estuary (Figures 1, 2 and 3). The terrain of the direct Area of Potential Effect (APE) is flat, roughly rectangular, impacted by intensive construction and demolition. To the east, construction of the Luis Muñoz Rivera Expressway segregated the direct APE from the sub-barrio and historic district of Miramar. Previously, during the first half of the

20th century, the direct APE had been more subtly segregated from Miramar by the railroad tracks slightly curving northeast around the hill of the exclusive neighborhood. Although the Convention Center District is historically associated with Isla Grande, and particularly with the San Juan Naval Air Station, built from 1935 to 1939, the direct APE was never part of the Naval Air Station, or of Isla Grande, largely created by artificial fill, but private land within the sub-barrio of Miramar.

The original sediment at the direct APE is Holocene silica sand (Qss). The topography is lowland, flanked to the east by the hill of Miramar, underlain by Pleistocene and Holocene eolianite (Qe). Eolianite is a type of sandstone, specifically cemented sand dune, a geologic continuation of San Juan Islet, with a maximum thickness of 30 meters. Historically, Santurce was called San Mateo de Cangrejos, or simply *Cangrejos*, and the hill of Miramar was known as *Alto del Olimpo*, featuring prominently as the site of a British battery during the invasion of Puerto Rico in 1797. To the west, Isla Grande is mostly artificial fill (af) underlain by sediment of the San Juan Bay Estuary. The Geologic Map of the San Juan Quadrangle by M. H. Pease and W. H. Monroe (1975) report artificial fill (af) immediately west of the direct APE, but not in it. In the past, this parcel was lowland near the wetland mangrove coast of the San Juan Bay Estuary.

The evidence of prehistoric occupation in Miramar is subtle, limited to sparse shells and ceramics reported about 0.10 miles (161 meters) northeast of the direct APE, at the shoreline of Condado Lagoon. This impacted site is identified in the PRSHPO files as Playita (SJ0100005). The prehistoric site depended on a spring that was later called *La Fuente de Aguilar*, providing water to San Juan Islet in the early 16th century, in a water pipe installed on the bridge spanning the San Antonio Channel, roughly at the same alignment of the Esteves Bridge. The prehistoric site was probably destroyed by historic bridges, and by construction of the Baldorioty de Castro Expressway and the modern fountain called *Fuente de Bienvenida a San Juan*, at the curve leading into the south approach to Esteves Bridge.

In addition to Playita, the author (Vega 2000) located dispersed evidence of a prehistoric ceramic site at the Caribe Hilton Hotel, approximately 0.43 miles (692 meters) northeast of the direct APE. This second site, also destroyed by construction, was associated with another spring, supplying water to Spanish barracks at Paseo Caribe, built circa 1800 to 1805. The prehistoric site was located under the Caribe Hilton Hotel, or in shallow water where the coast was dredged to create a swimming area for hotel guests.

The city of Old San Juan was almost impregnable on the north and west, due to a combination of reefs, big waves, eolianite cliffs, a narrow harbor entrance, and the great

castles of El Morro and San Cristóbal. The south of the islet was protected by thick, almost impenetrable, mosquito-infected mangrove forest. The weakest area was at the east end of San Juan Islet, defended by Fort San Gerónimo (0.41 miles northeast of the direct APE), Battery Escambrón (0.73 miles north of the direct APE), and Bridgehead San Antonio (0.25 mi NE of the direct APE).

During the British invasion of 1598, following the defeat of the 1595 invasion under Francis Drake, the British army under George Clifford, Earl of Cumberland, landed at Cangrejos and marched towards the San Juan Islet. Sir George nearly drowned while wading San Antonio Channel and had to be rescued by his lieutenants. In 1625, the Dutch used a different strategy, sailing into San Juan Harbor and capturing the city, but not Morro Castle, sacking and burning San Juan before departing under the threat of Spanish troops arriving from other towns. A third British attack took place in 1797, once again marching from Cangrejos to San Antonio Channel, placing a battery on the hill of Miramar and another at El Condado, firing upon the Spanish defenses at Fort San Gerónimo, Bridgehead San Antonio, and the defensive walls of the *Línea Avanzada* between them. The British invasion of 1797 is considered the greatest victory of Puerto Rico during the Spanish colonial era.

In 1902, Puerto Rican, Spanish and U.S. investors created the *People's Cooperative Buildings & Loan Association* for the development of Miramar, with a high-class clientele in mind. By 1906, seventy-six plots had been sold and seventeen buildings had been completed. Unlike the fine residences on the hill, the lowland to the west was developed with commercial buildings and the railroad tracks from Río Piedras to San Juan. By 1917, two clinics and the Union Club had been built east of the railway. Additional structures were built west of the railway, including a boat mechanic's shop with a small waterway cut into the mangrove, leading to the San Antonio Channel. The mechanic's shop repaired and used the brick Spanish barrack, using Portland cement. The map of 1917 clearly indicates the proximity of the direct APE to the San Juan Bay Estuary. The barrack is not identified as such, but its location more or less matches the shop, and the archaeological evidence strongly suggests that continuation.

The artificial filling of Isla Grande began from 1922 to 1929, for construction of the private Pan-Am Isla Grande Airport (Figure 3). In 1938, the airport was transferred to the Naval Air Station and expanded for military service. By 1937, the direct APE had been extensively built up with commercial shops (Figures 11 to 14). During the 1940s, the economic, social and political history of Puerto Rico centered on the Second World War, including construction of the San Juan Naval Air Station at Isla Grande, built from 1935 to 1939 in preparation for the war.

As previously indicated, the direct APE was outside of the Naval Air Station. While excavating the remnants of the Spanish barrack, the author found sufficient archaeological evidence to conclude that the concrete structure that was built atop the ruins was used as a bar on the first floor, with high consumption of liquors but no food on the trash pit, and a brothel on the upper level with marble floors. The bar and brothel operated approximately from 1940 to 1965. All this was deduced from careful analysis of hard liquor and soda bottles, medicinal bottles, *Old Spice* aftershave bottles, *Pond's* facial cream for women, and a baby food bottle. This material was mixed with early 19th century materials of the Spanish barrack, during demolition of the buildings in 1999. Further archival research confirmed the author's hypothesis, revealing five centers of prostitution on the periphery of the Naval Air Station. The most high-class service was at the Hotel Borinquen in the late 1960s, now the Caribbean Sea View Apartments, located 0.03 miles southwest from the direct APE. There were also four brothels within the direct APE, including the world-famous *Black Angus Night Club*, originally a Spanish revival home designed by Pedro de Castro and built c.1930, the lesser known *Miramar Night Club*, the *Hawaiian Hut Club*, and then the unnamed brothel built atop the ruins of the Spanish barrack. It was partly to eradicate this "red light district" that the Convention Center District was originally conceived, initially named *The Americas World Trade District*.

In 1998, Norma Medina Carrillo conducted a Phase 1A archaeological survey for *The Americas World Trade District*, followed by a historic-architectural inventory of the Isla Grande Naval Air Station by Héctor Santiago Cazull in 1999. Also in 1999, the buildings of Parcel B, corresponding to the direct APE of this undertaking, were demolished in two stages, first the north part (corresponding to Phase 1 of this undertaking), and then the south part (corresponding to Phase 2). Those demolitions allowed Medina Carrillo to conduct archaeological testing with a digger in 2000 (Figure 21), defined as a Phase 1B study by the *Instituto de Cultura Puertorriqueña* (ICP). Historic brick rubble was detected towards the northeast end of the parcel, leading to a Phase 2 archaeological site-testing investigation in 2003, also by Medina Carrillo.

The Phase 2 study included fourteen (14) test trenches and three (3) manually excavated units (Figure 22). This study detected a small segment of a brick floor, at a depth of 80 cm, as well as extensive brick and mortar debris mixed with concrete and 20th century materials. Additionally, at the west end of Trench #1, Medina Carrillo detected sparse marine shells which she identified as possibly utilized for manufacturing buttons. Given the lack of structural remnants, machinery parts, and the scarcity of shell material, plus the fact that the terrain had been heavily impacted by the construction of multi-story buildings, Medina Carrillo concluded that these isolated materials were not significant,

not warranting additional study, nor inclusion in the National Register of Historic Places (NHRP). The Phase 2 study concluded that the only archaeologically significant area of Parcel B was the brick debris at the northeast end of the parcel. An area of 547 square meters was segregated for further archaeological investigation (Figure 23), flanked by the Muñoz Rivera Expressway (State Road PR-1) to the east, and the lot of Edificio Figueroa to the north. The rest of Parcel B, 15,073 square meters containing the direct APE, were liberated from further study.

A proposal for Phase 3 archaeological mitigation was prepared in 2015 by Medina Carrillo and Fernando Alvarado Muñoz for the *Consejo Arqueológico Terrestre* (CAT), affiliated with the *Instituto de Cultura Puertorriqueña* (ICP). That same year, the author was contracted by the *Autoridad del Distrito del Centro de Convenciones* (ADCC) to conduct the Phase 3 investigation of the 547 square meter plot, confirming Medina Carrillo's discovery and formally identifying the first known Spanish barrack outside of the San Juan Islet (Figures 24 to 27). Although highly impacted, with very limited material *in-situ*, the Spanish barrack is potentially eligible to the National Register of Historic Places under Criterion D, likely to reveal new historic data on a Spanish barrack outside of San Juan Islet, built for the *milicias disciplinadas* of San Juan. These trained militiamen operated from 1765 to 1870, until the Spanish government disbanded them for fear that they would not support Spain in a war for independence, or against an invasion from a foreign power.

Potential for Intact Cultural Deposits

The direct APE has been impacted by extensive construction and demolition of multi-story concrete buildings from the 1930s to the 1970s (Figure 20). Controlled excavations for the Phase 3 Mitigation of the Spanish barrack documented concrete building foundations down to 2 meters, completely impacting the Spanish barrack down to its foundation. The brick floor of the military structure was exposed and documented at a depth of 80 cm, less than half of the 2-meter impact for construction of multi-story concrete buildings. We were fortunate to discover a small area of brick floor *in-situ*, covering approximately 1.5 square meters. The dense construction at the direct APE, consisting primarily of multi-story concrete buildings, is evident in a high-resolution aerial photograph of 1943. Only the south end of the parcel remained undeveloped, covered with secondary forest vegetation cover that still exists today.

The Phase 1B mechanical tests by Medina Carrillo (2000) detected evidence of masonry only towards the northeast end of the parcel. Intensive Phase 2 trench excavations by the

same archaeologist (Medina Carrillo 2003) confirmed the initial results. The ruins of the Spanish barrack were the only significant discovery within the entire parcel, razed c.1934-1937 by new buildings, with a second round of total demolition in 1999. At the northeast end of the parcel, Phase 3 excavations (Vega 2015) documented a completely disturbed stratigraphy, with early 19th century Spanish bricks and glass with imported British ceramics mixed with early 20th century U.S. fireproof bricks used to build a furnace, also mixed with liquor, soda, medicinal bottles and other materials from c.1940 to 1965.

Aside from the Spanish barrack, the detection of dispersed marine shells, possibly used for producing buttons in the early 20th century, did not include any type of structural remnants or machinery associated with a factory or shop for producing buttons, nor a densely packed midden of worked or unworked shells. Medina Carrillo did not recommend Phase 3 research for this discreet material. Only the brick rubble area at the northeast end of the parcel was considered significant, potentially eligible to the National Register of Historic Places.

History of Use

Three distinct historic eras of human activity were identified from Phase 3 archaeological research at the northeast end of Parcel B, immediately north of the direct APE:

- A Spanish barrack was built between 1800 and 1805 for the *milicias disciplinadas,* using *San Patricio CHC* and *Pueblo Viejo MTC* bricks produced in Guaynabo, Puerto Rico, with evidence of English porcelain identified as *Blue Willow* and *Shell-Edged Pearlware*, initially acquired though contraband and then through legal commerce with Great Britain. In 1817, contractors Diego Becerra and Ygnacio Palomares were hired to repair the barrack. José María Núñez provided the bricks.
- Following the Spanish-American War of 1898 and the Treaty of Paris, ceding Puerto Rico to the United States, the Spanish barrack was remodeled in the early 20th century, using Portland cement and fireproof bricks *Remmey Son No. 1 Philadelphia*, produced from 1904 to 1958, and *Fire Fisher Phoenix No. 1 Sayreville*, produced from 1850 to 1969 for some type of furnace. Enlargement of the 1917 Map of Santurce by the *Porto Rico Board of Fire Underwriters* revealed a mechanic's shop near a canal in the mangrove, leading into San Antonio Channel. Considering the invention of the Rudolf Diesel engine for boats in 1903, followed by the 1907 outboard motor by Norwegian-American inventor Ole Evinrude, the mechanic's shop is associated with the rising sport of motor boating,

much easier to learn than sailing. In 1930, sailing enthusiasts and motorboat enthusiasts created the *Club Náutico* in the San Antonio Channel.

- In 1934 to 1937, the barrack was demolished and used as fill for construction of two concrete houses. Both houses had ordinary *criollo*-style tiles on the first floor. At least one of these houses had a marble upper floor. Detailed analysis of liquor, soda, medicinal and aftershave bottles led to the conclusion that there was a bar and a brothel operating c.1940 to 1965. Further archival research confirmed other centers of prostitution within or immediately southwest of the direct APE, oriented towards the San Juan Naval Air Station. In any country, large or small, the combination of military personnel and local poverty leads to prostitution and venereal disease.

The addition of extensive artificial fill at Isla Grande, beginning with construction of the International Airport in 1929, and then the construction of the Naval Air Station from 1934 to 1939, began a new era, altering the topography immediately west of the direct APE, cancelling the direct access to San Juan Bay. The mangrove coast and bay shallows west of the railway became dry land for military use, including the acquisition and redesign of the Pan American airstrip for U.S. Navy airplanes and amphibious aircraft.

Beyond the archaeological data, historic research indicated a proliferation of bars, stores, apartment rentals, brothels and clinics on the periphery of the Naval Air Station, at the direct APE. It is worth repeating that the direct APE was adjacent to the Naval Air Station, not within it. There was never a military use, but rather a "red light district" primarily oriented towards a military clientele. Posters produced for military personnel before, during, and after the Second World War reveal a serious public health concern regarding prostitution and the spread of venereal disease among servicemen.

Immediately north of the direct APE, the Edificio Figueroa, built in 1936, became a law office. To the east, the hill of Miramar has been a prestigious residential area since the early 20th century, with various properties now listed in the National Register of Historic Places. In 1947, the Naval Air Station changed to Naval Station, as reflected in USGS topographic maps from 1941 to 1982 (Figures 4 to 10). The airport at Isla Grande was transferred back to private use and is still in operation today as the Regional Airport Fernando L. Ribas Dominicci, offering flights to Vieques, Culebra, the U.S. and British Virgin Islands, and to the Lesser Antilles. The Naval Station became a U.S. Coast Military Reserve, transferred to the Government of Puerto Rico in 1971, its wartime buildings recycled by the Department of Transportation for drivers' licensing and other government services).

In 1999, all of the buildings within the direct APE (Parcel B) were demolished. The buildings of the old Naval Air Station, excluding the airport, were also demolished for the creation of the Convention Center District, a public corporation created by Law Number 142 in 2001. This is currently the most dynamic sector in Puerto Rico's economy, including the largest convention center in the Caribbean, surrounded by new hotels, restaurants, and entertainment centers.

Identification of Historic Properties – Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is not located within the boundaries of the National Register of Historic Places (NRHP). To the north of the direct APE is the Edificio Figueroa (Resolution #: 2004-18-02-JP-SH), a historic two-story building with Spanish Revival influences. Its proximity to the project is separated between two franchise restaurants: Olive Garden and LongHorn Steakhouse. As previously stated, the Longhorn and Olive Garden Restaurants and parking entrance will not be affected, nor the protected remnant of a Spanish barrack north of Olive Garden. This zone is classified as CT-2, defined as Comercial Turístico-Intensidad Semi-Alta. Located in a commercial-tourism zone surrounded by highways and concrete type bridges with high traffic volume to the north, east, south, and west. The Project Undertaking sits proximate to hospitality structures, restaurants, event halls and the Convention Center of Puerto Rico. However, across the Luis Muñoz Rivera expressway to the east, is the Miramar section of Santurce, identified as a historic zone (Resolution #: 2007-18-JP-ZH). This zone is predominantly a residential area characterized by single-family dwellings and multi-story buildings of the 20th century, ranging from neoclassical and colonial architecture. Regardless, the Muñoz Rivera expressway, serving as a physical border defined with high concrete retaining walls just above the Project Undertaking lot level breaking connections with Miramar Historic Zone.

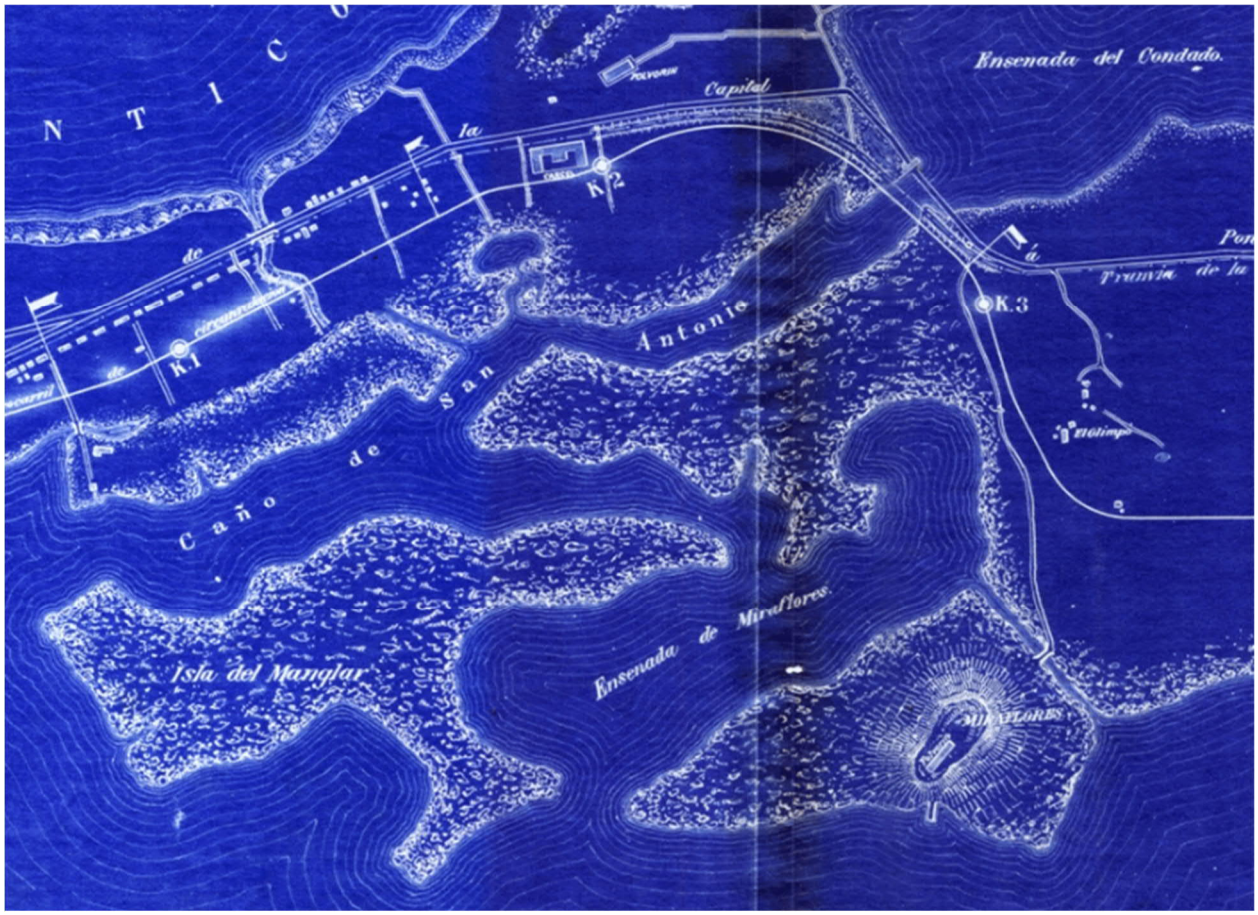


Figure 1. Spanish map of 1892, depicting the islets of Miraflores prior to artificial fill for the Isla Grande International Airport and the San Juan Naval Air Station. The direct APE is located at K.3, south of the bridges spanning San Antonio Channel (Source: https://archivonacional.com).

Figure 2. Plan of Santurce, 1917, *Porto Rico Board of Fire Underwriters*. Notice mechanic's shop with small pier in mangrove, at the same location of the Spanish barrack in Parcel B (Source: https://archivonacional.com).

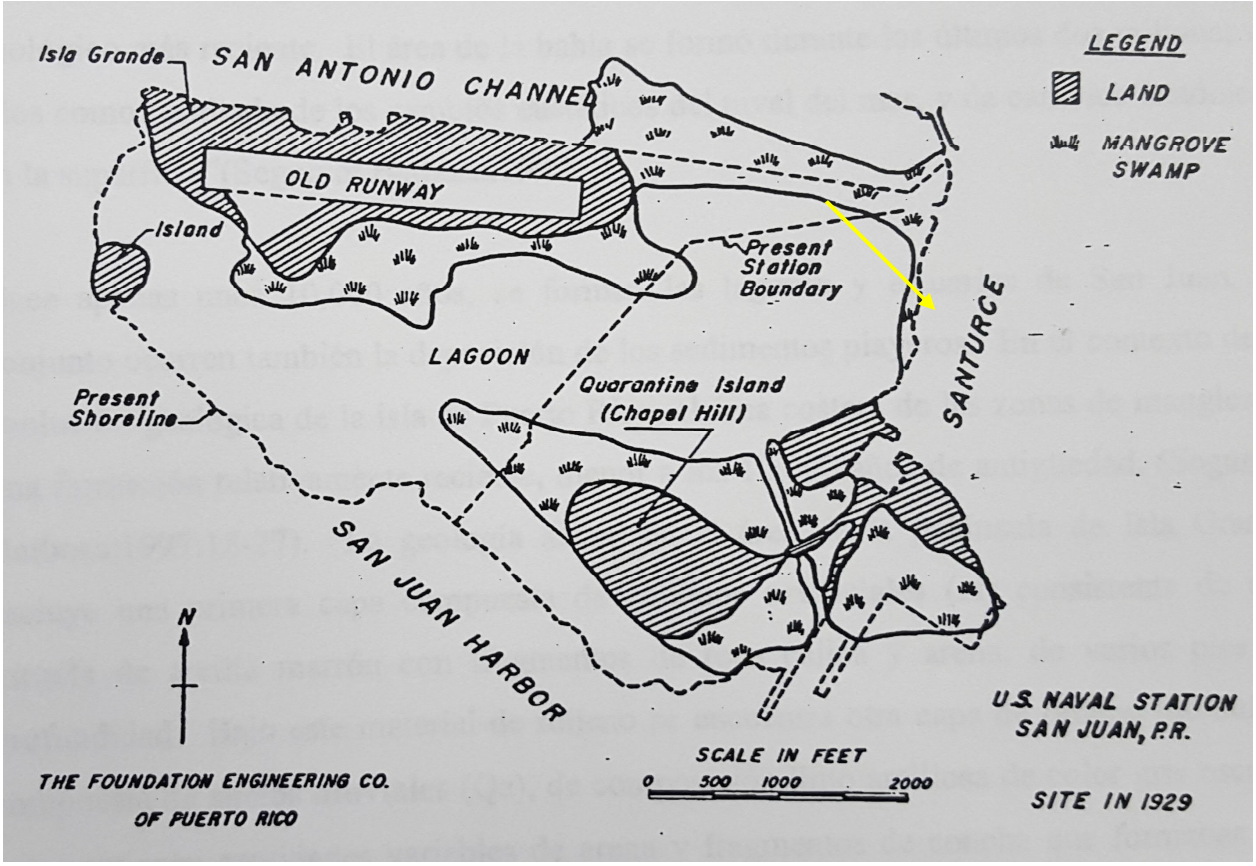


Figure 3. Plan of Isla Grande, 1929, prior to intensive artificial fill for construction of the San Juan Naval Air Station. Three small islands of the San Juan Bay Estuary were united by artificial fill into the Isla Grande peninsula (Source: USACE).

Figure 4. USGS 1941 San Juan Topographic Quadrangle 1:20,000 (Source: https://www.oldmapsonline.org)

Figure 5. USGS 1947 San Juan Topographic Quadrangle 1:20,000 (Source: https://www.oldmapsonline.org)

Figure 6. USGS 1949 San Juan Topographic Quadrangle 1:20,000 (Source: https://www.oldmapsonline.org)

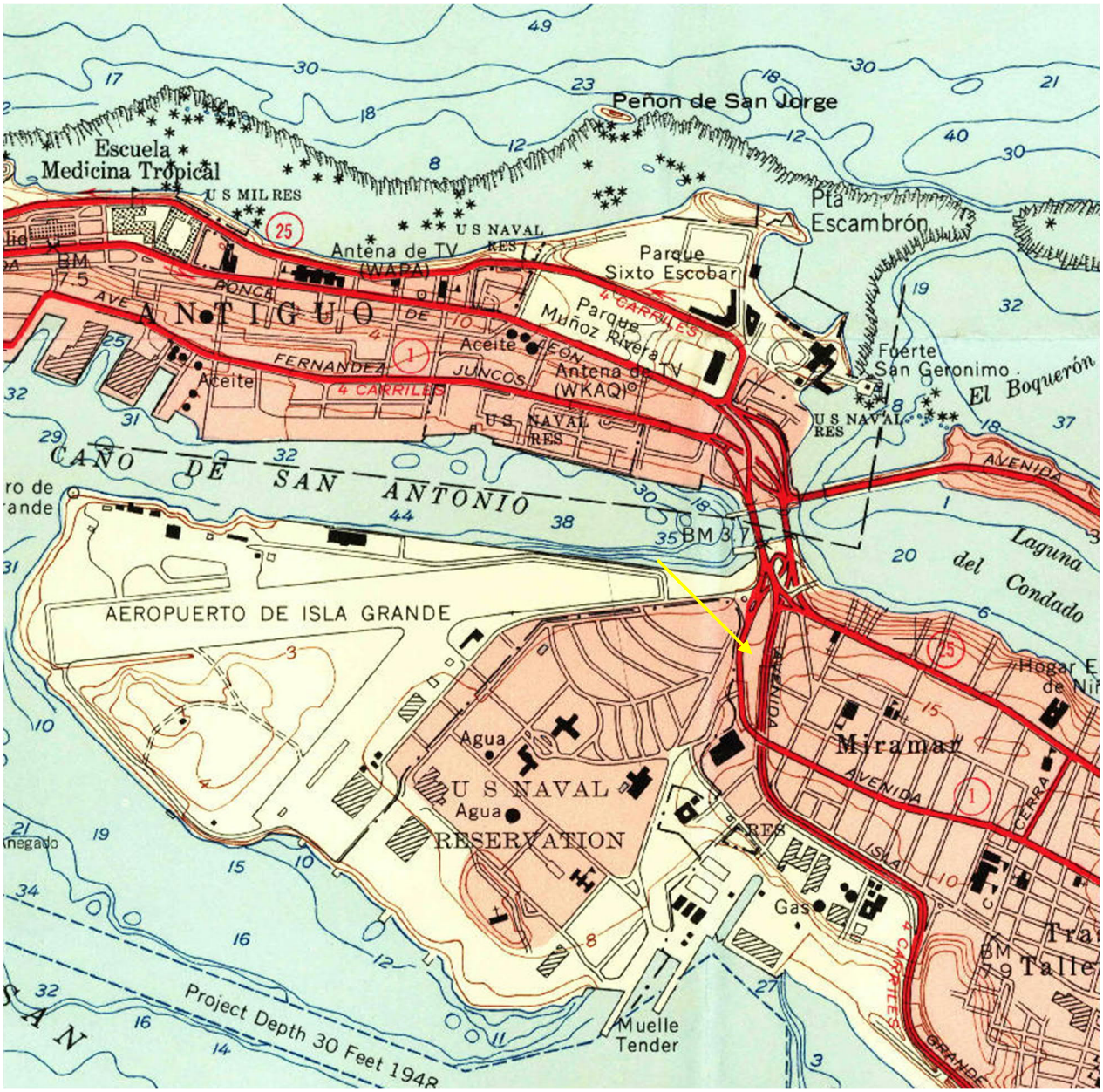


Figure 7. USGS 1957 San Juan Topographic Quadrangle 1:20,000. (Source: https://www.oldmapsonline.org)

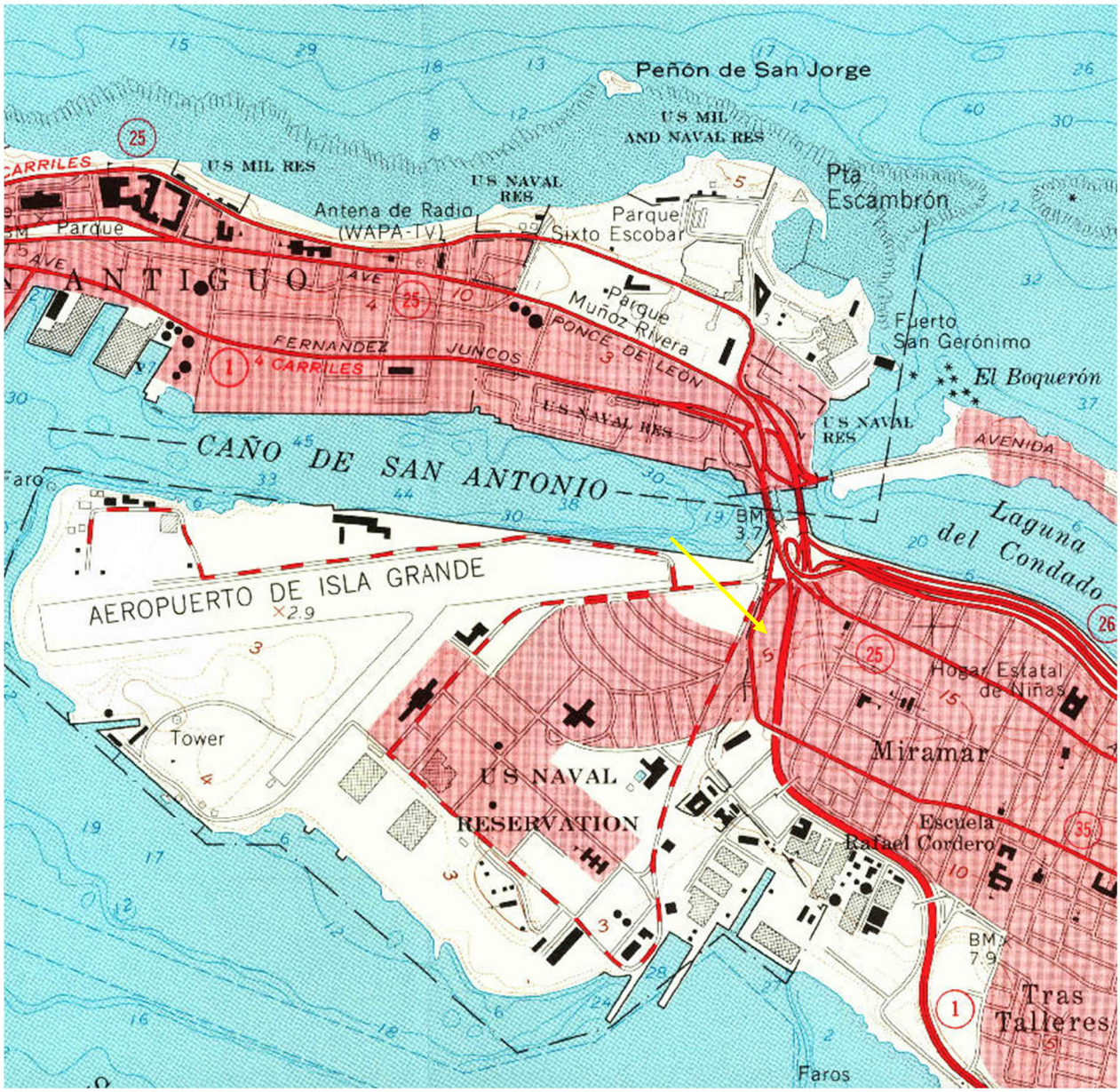


Figure 8. USGS 1963 San Juan Topographic Quadrangle 1:20,000 (Source: https://www.oldmapsonline.org)

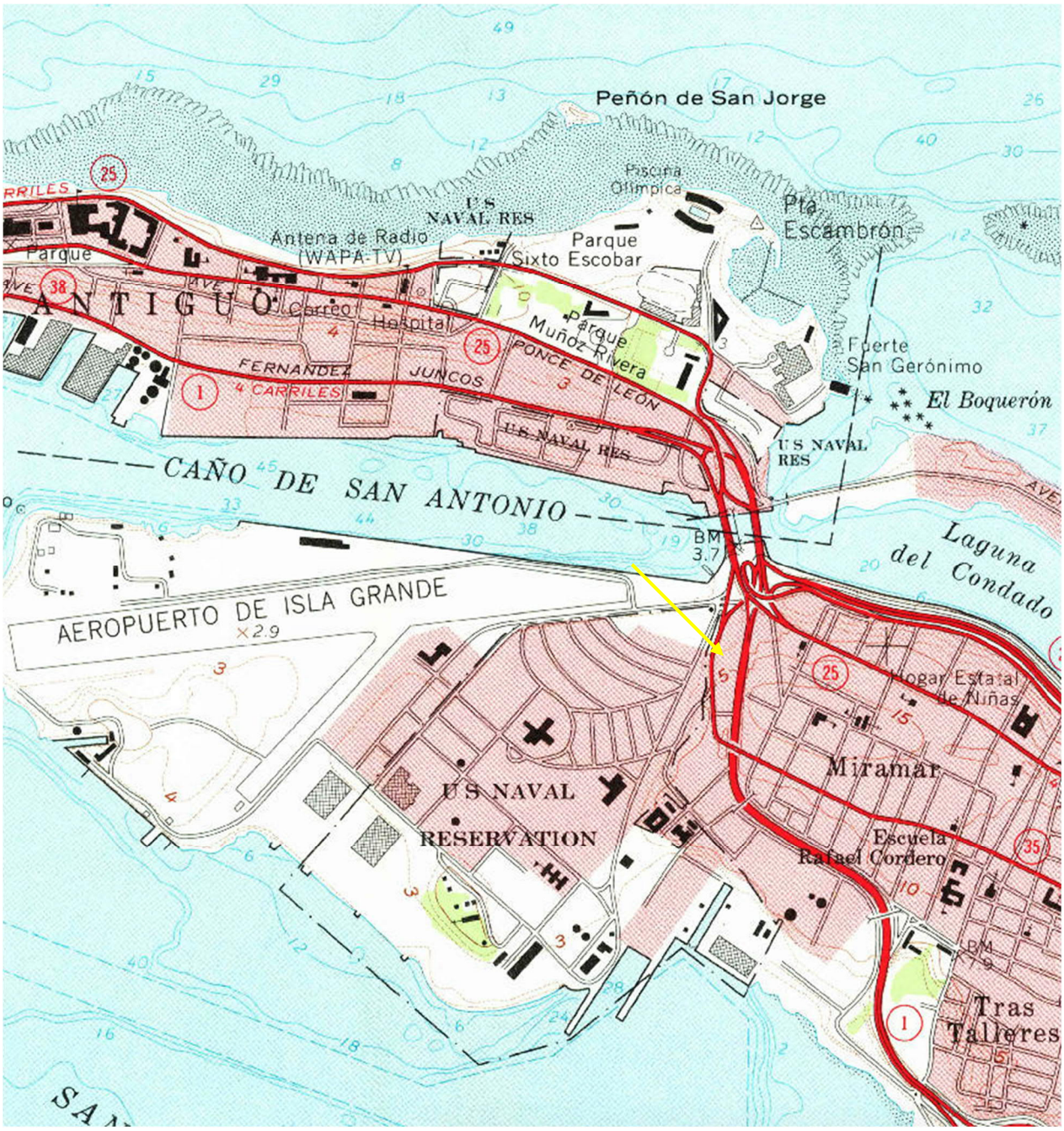


Figure 9. USGS 1969 San Juan Topographic Quadrangle 1:20,000 (Source: https://www.oldmapsonline.org)

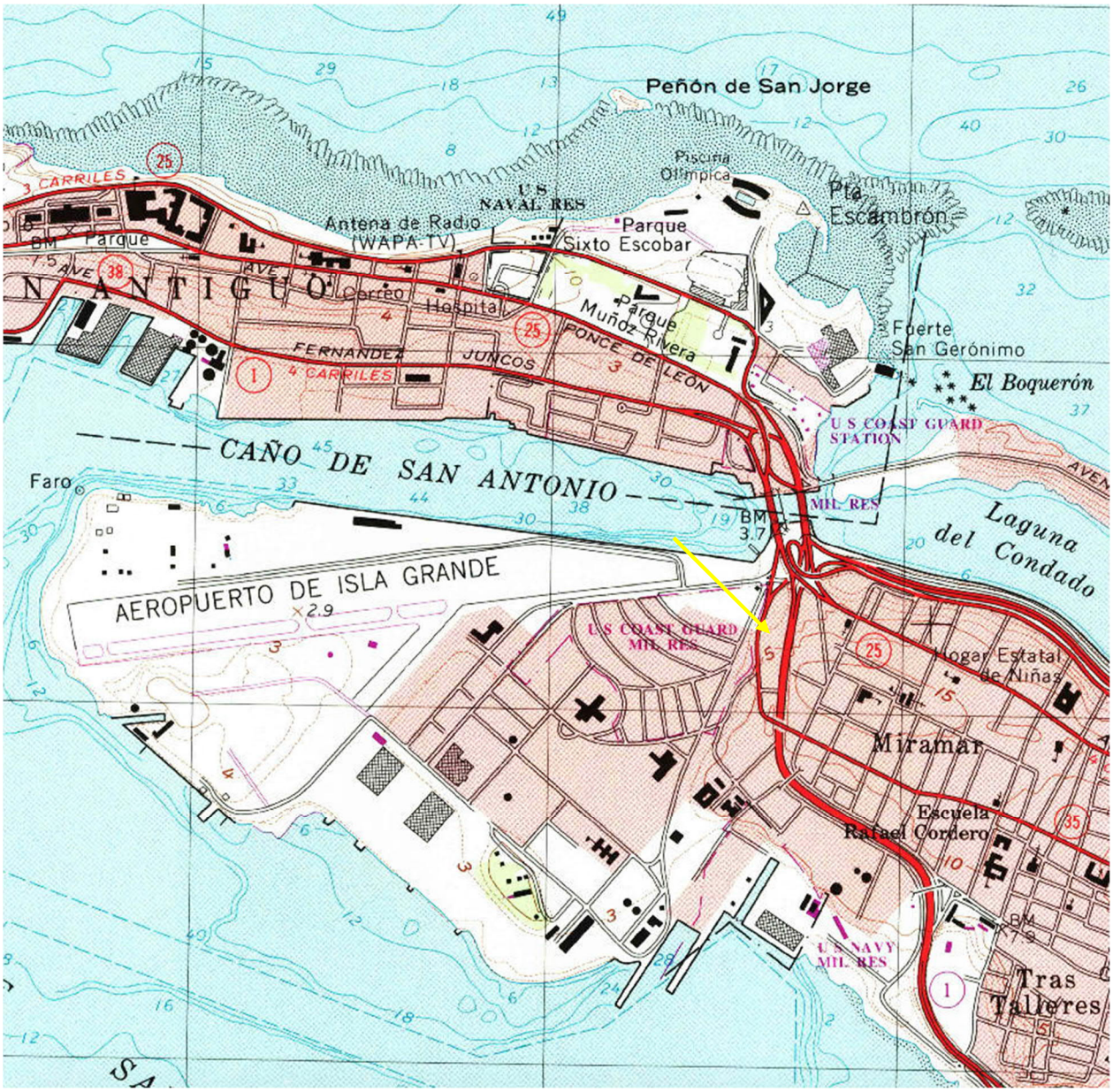


Figure 10. USGS 1969, Photo-revised 1982, San Juan Topographic Quadrangle 1:20,000. Notice changes of U.S. Naval Reservation to U.S. Coast Military Reservation (Source: https://www.oldmapsonline.org).

Figure 11. Aerial photograph of 1936, depicting built-up, direct Area of Potential Effect (APE). Notice the proximity of the San Juan Bay Estuary to the west. (Source: Office of Photogrammetry, Puerto Rico Highway Authority).

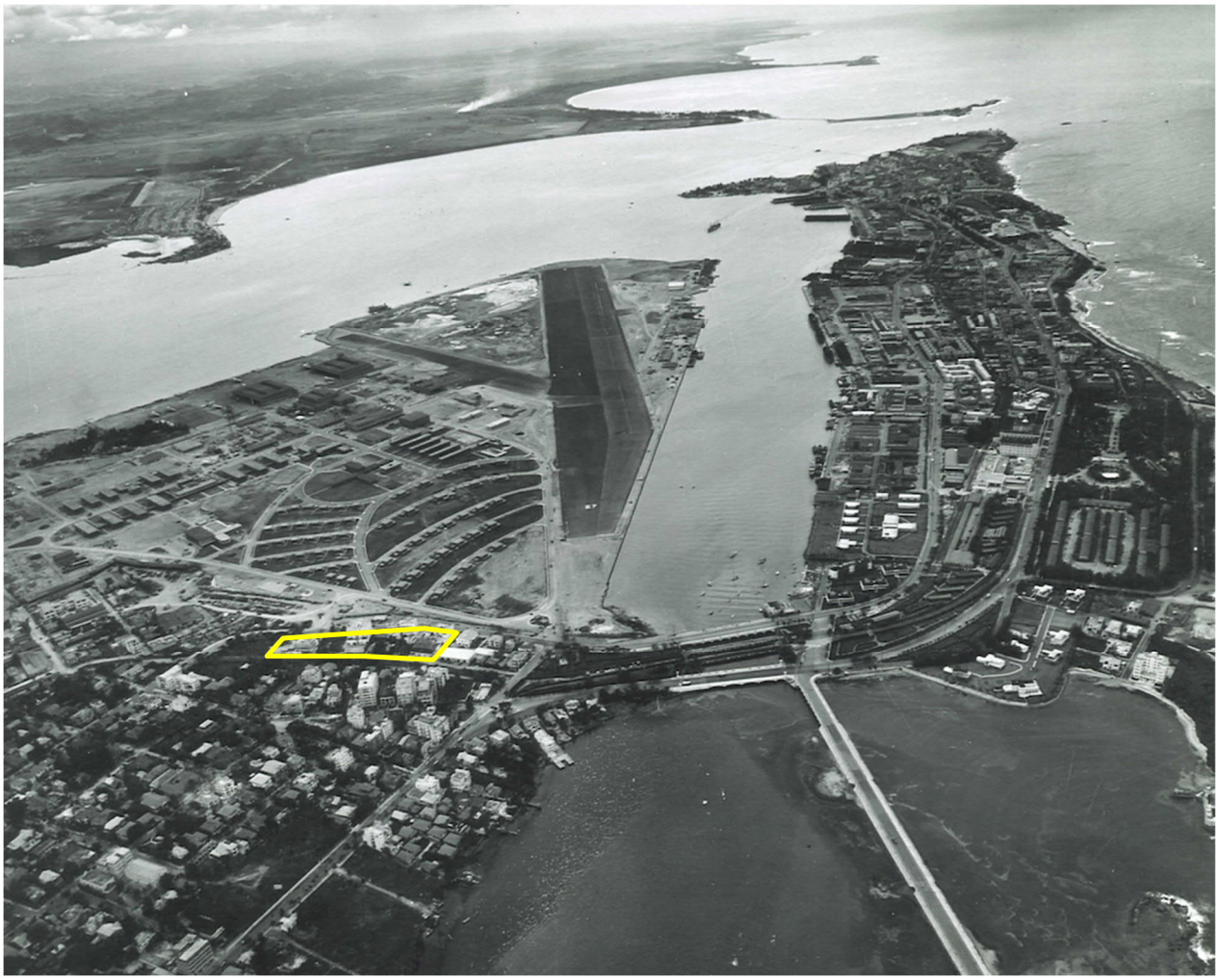


Figure 12. Aerial oblique photograph of San Juan Naval Air Station (NAS) in 1943, looking west. Taken by NAS at an altitude of 2000 ft. (Source: NARA, College Park, Special Media Archives Services Division-Still Pictures #62983.

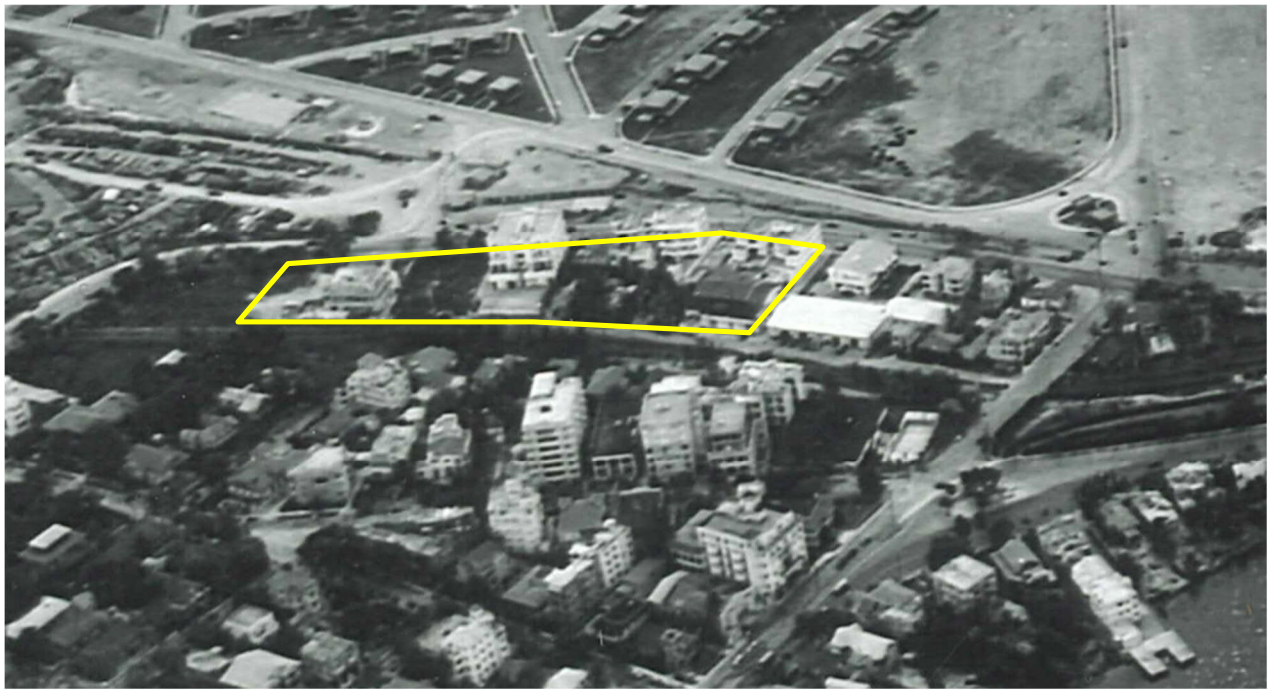


Figure 13. Enlargement of 1943 aerial photograph of San Juan Naval Air Station, depicting direct Area of Potential Effect east of the station, looking west (Source: https://www.oldmapsonline.org)

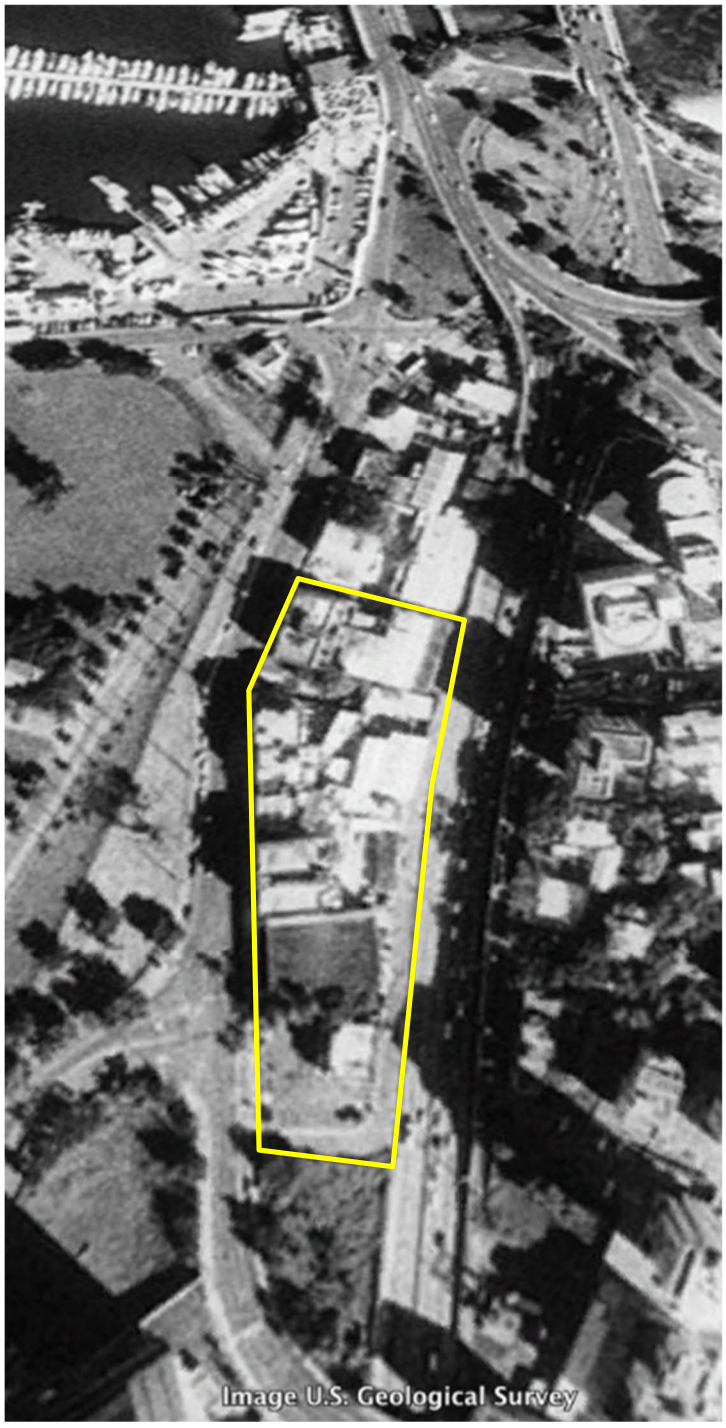


Figure 14. Direct Area of Potential Effect (APE) in aerial photograph of 1995 (Source: Google Earth Pro).

Figure 15. Direct Area of Potential Effect (APE) in oblique aerial photograph of 1999. The south part of the direct APE has yet to be demolished. Notice the multi-story buildings, with foundations generally reaching 2 meters deep (Source: Informe Final, Mitigación Arqueológica, Parcela B (547 m^2), Distrito del Centro de Convenciones, San Juan, Puerto Rico, Jesus E. Vega 2015:82, Fig. 35).

Figure 16. Direct Area of Potential Effect (APE) in aerial photograph of 2006 (Source: Google Earth Pro).

Figure 17. Direct Area of Potential Effect (APE) in satellite image of 2009 (Source: Google Earth Pro).

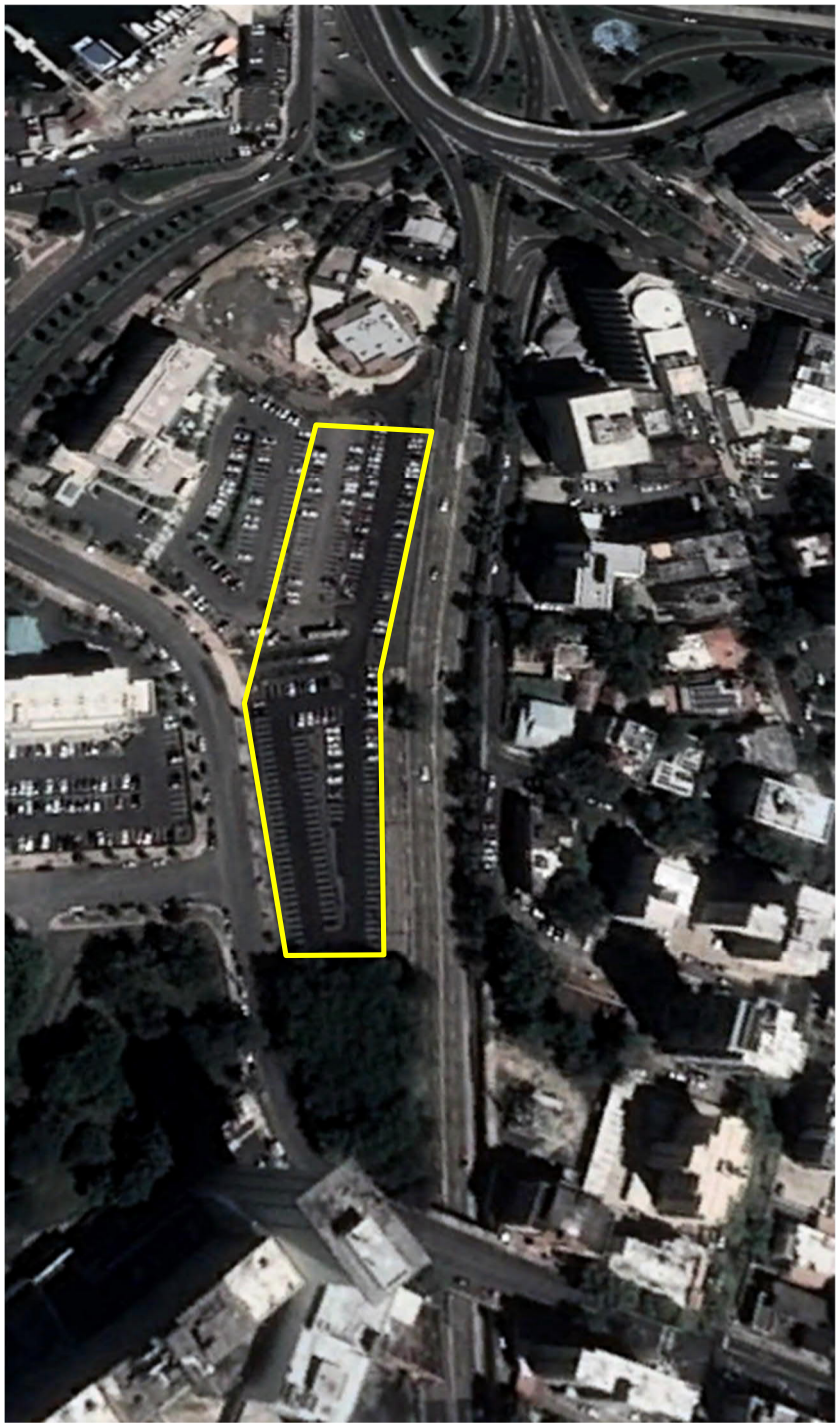


Figure 18. Direct Area of Potential Effect (APE) in satellite image of 2016 (Source: Google Earth Pro).

Figure 19. Direct Area of Potential Effect (APE) in satellite image of 2020 (Source: Google Earth Pro).

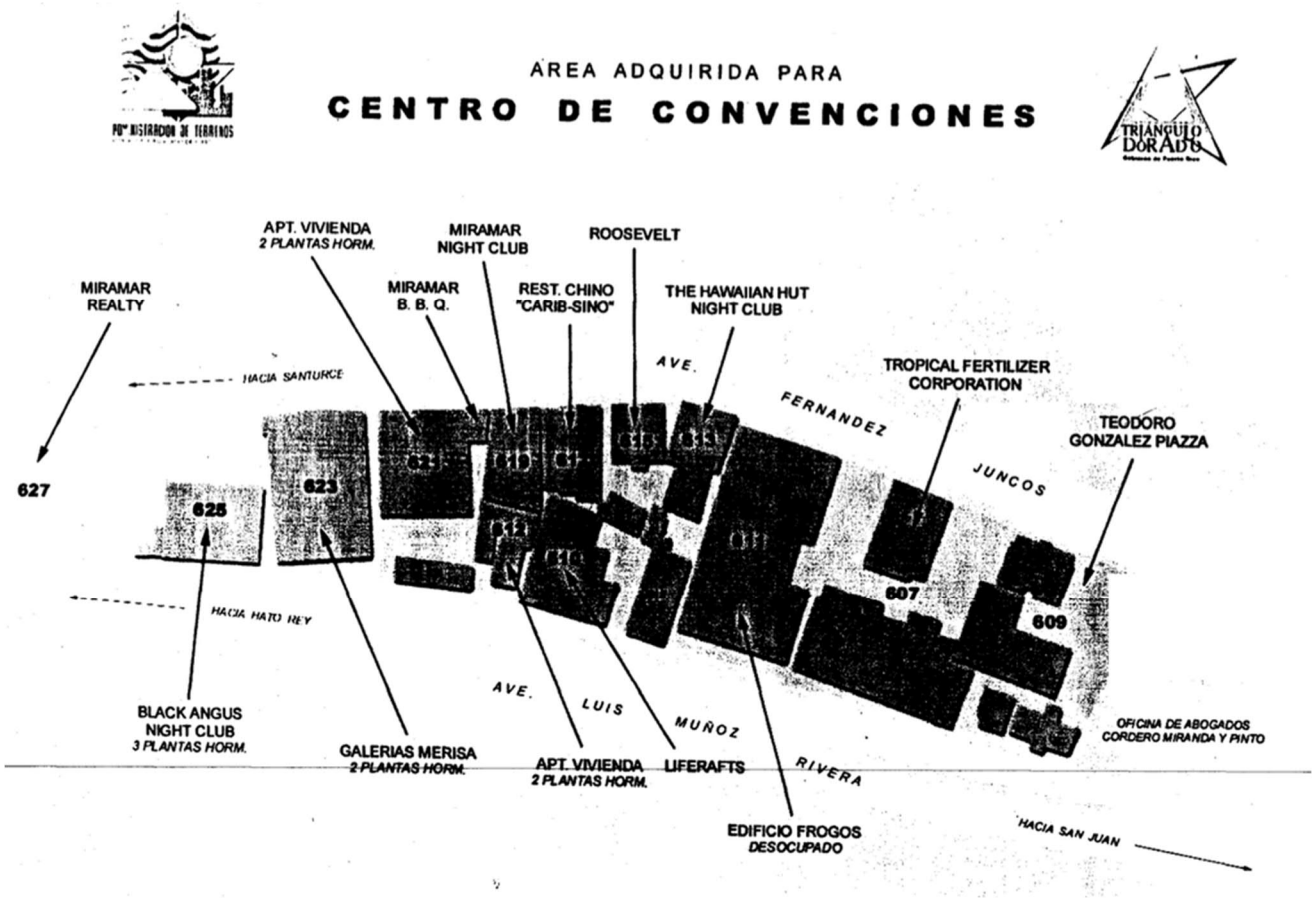


Figure 20. Buildings within the direct Area of Potential Effects, Parcel B, acquired by the Convention Center District and demolished in 1999 (Source: *Análisis del Inventario Histórico-Arquitectónico de la Base Naval Aérea de Isla Grande, by Héctor Santiago Cazull, 1999, CSA Group.*

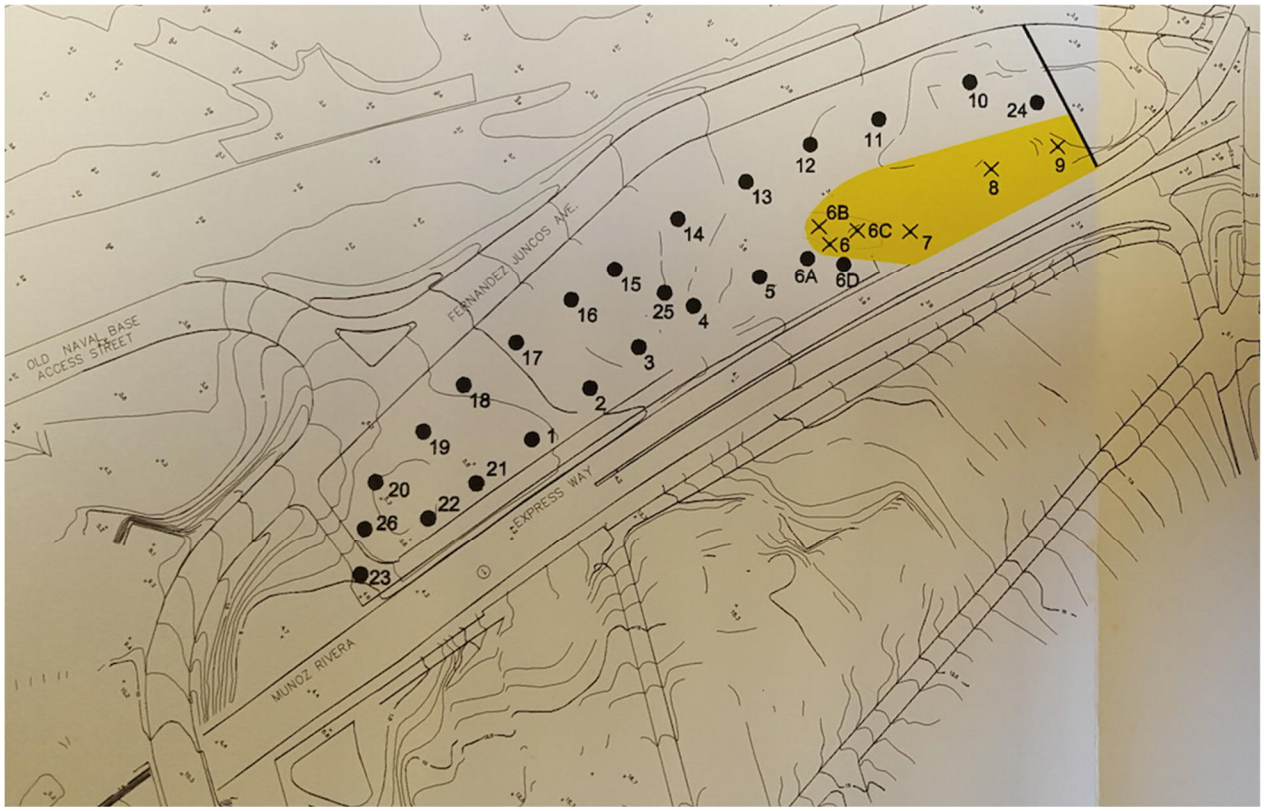


Figure 21. Location of Phase 1B tests in Parcel B with cultural materials in yellow area, including 19th century masonry rubble and early 20th century bottles (Source: *Phase 1B, Americas World Trade Center Parcela B, Prospección Arqueológica*, Norma Medina Carrillo, 2000)

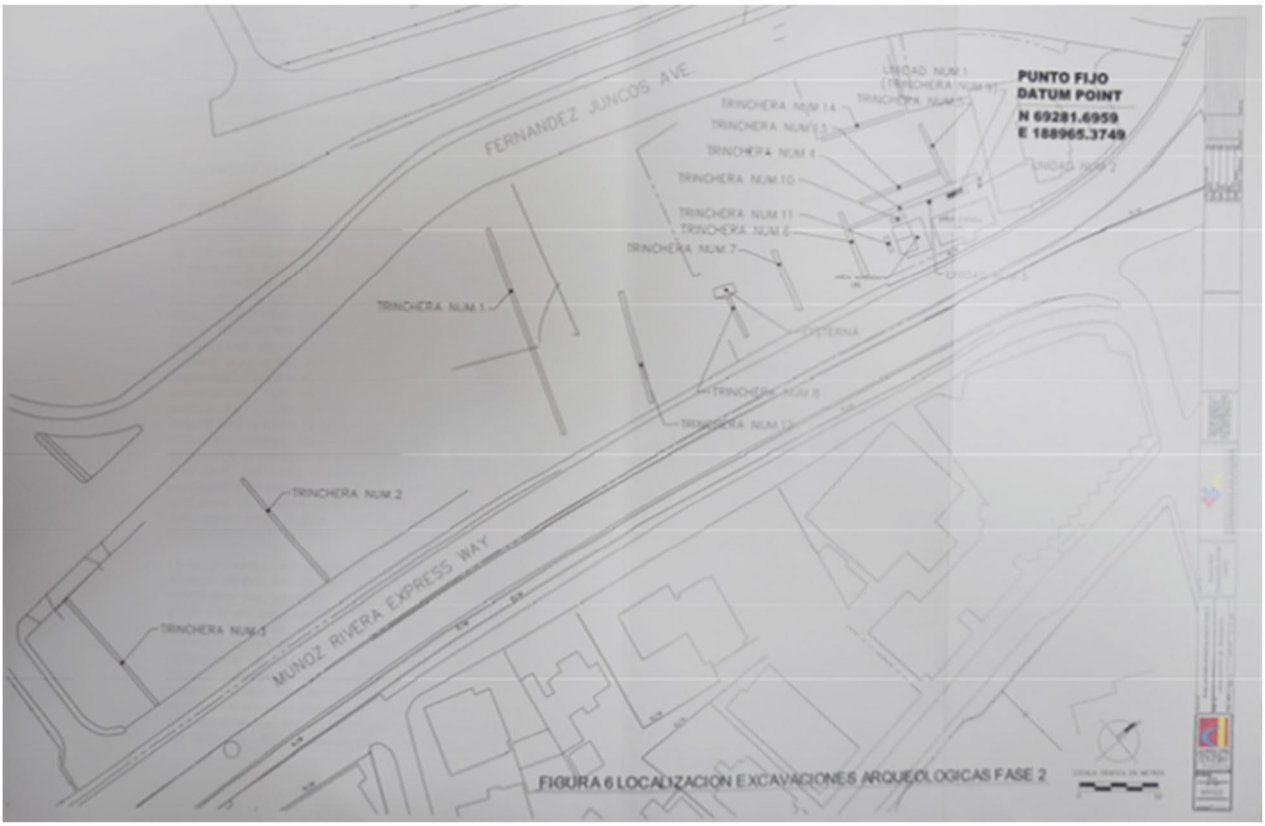


Figure 22. Exploratory trenches with digger and manual units in Phase 2 study of Parcel B. Brick and masonry rubble was identified in Unit 1 towards the northeast end of the parcel. In Trench 3, towards the south end of the study, the fill layer included bottles from the 1920s and parts of sculptures, as well as fragments of *Cittarium pica* shells at the west end of the trench, possibly employed for making buttons in the early 20th century but lacking any evidence of structures or machinery (Source: *Phase 2, Informe Final, Evaluación Arqueológica, Distrito del Centro de Convenciones*, Norma Medina Carrillo, 2003).

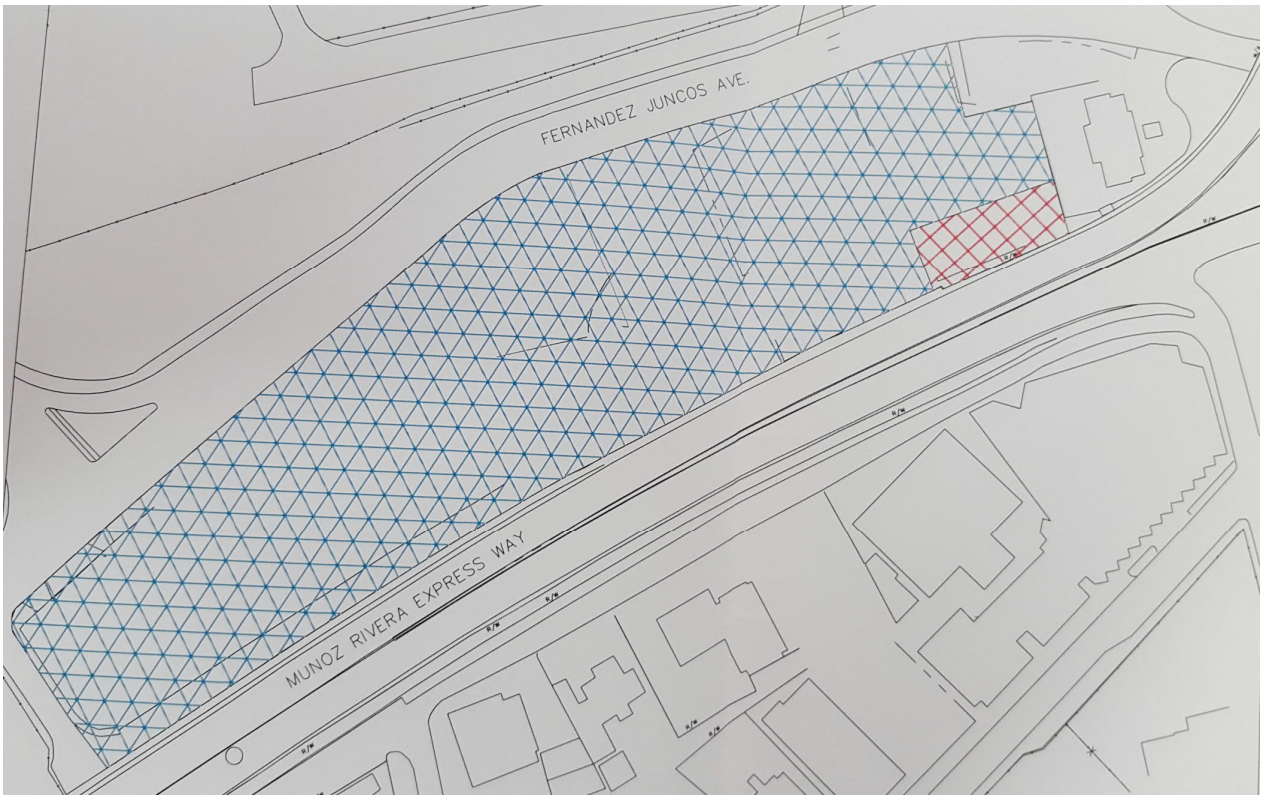


Figure 23. Segregated area at the northeast end of Parcel B, with Spanish colonial brick rubble, for Phase 3 Mitigation. The area in blue was liberated from any further study (Source: *Phase 2, Informe Final, Evaluación Arqueológica, Distrito del Centro de Convenciones*, Norma Medina Carrillo, 2003).

Figure 24. *In-situ* brick floor remnant of Spanish barrack, near north property line of Convention Center District, looking north. The masonry foundation extended beyond the property line, into the triangular-shaped lot of Edificio Figueroa, Pinto-Lugo Rivera Building (Source: *Phase 3, Informe Final, Mitigación Arqueológica Parcela B, Distrito del Centro de Convenciones*, Jesus E. Vega, 2015).

Figure 25. Close-up of brick floor, with only 1.5 square meters found in-situ, identified as a Spanish barrack, built c.1800-1805 for the *milicias disciplinadas*. At the time of its original occupation, this area was close to the mangrove coastline of the San Juan Bay Estuary (Source: *Phase 3, Informe Final, Mitigación Arqueológica. Parcela B, Distrito del Centro de Convenciones*, Jesus E. Vega, 2015).

Figure 26. Bricks excavated at the Spanish barrack site, including three ordinary Spanish bricks produced in the early 19th century by the San Patricio and MTC brands in Guaynabo (top and center), and two fireproof bricks produced in the U.S. during the early 20th century, identified as remnants of a furnace of a boat mechanic's shop (Source: *Phase 3, Informe Final, Mitigación Arqueológica. Parcela B, Distrito del Centro de Convenciones*, Jesus E. Vega, 2015).

Figure 27. Early 19th century Spanish and English shards of the Spanish barrack period, mixed with 20th century ceramics in altered stratigraphy (Source: *Phase 3, Informe Final, Mitigación Arqueológica. Parcela B, Distrito del Centro de Convenciones*, Jesus E. Vega, 2015).

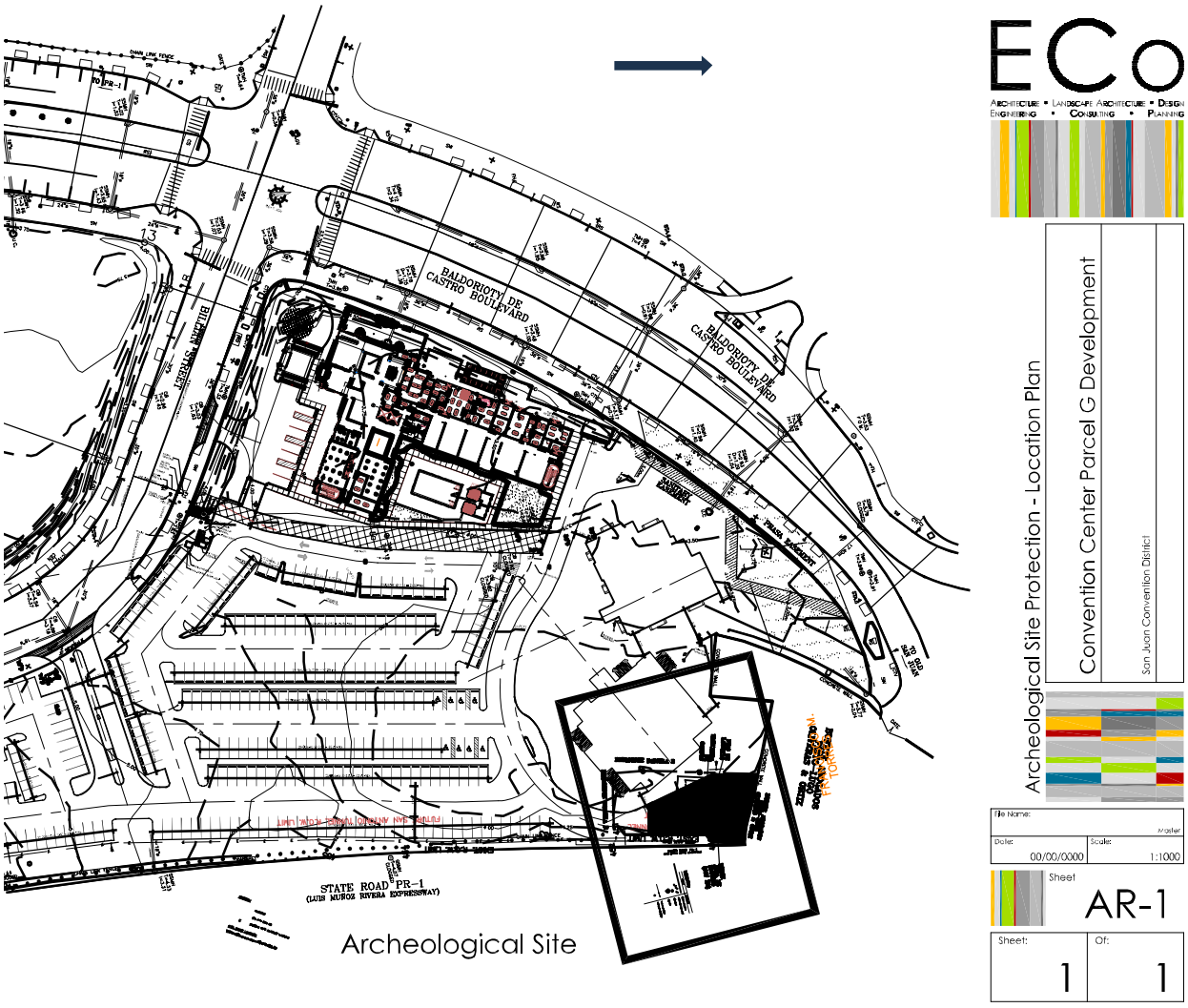


Figure 28. Location of archaeological site at northeast end of the Convention Center District, now located immediately north of the Olive Garden Restaurant, 0.03 miles (48 meters) north of the direct APE (Source: PRISA Group).

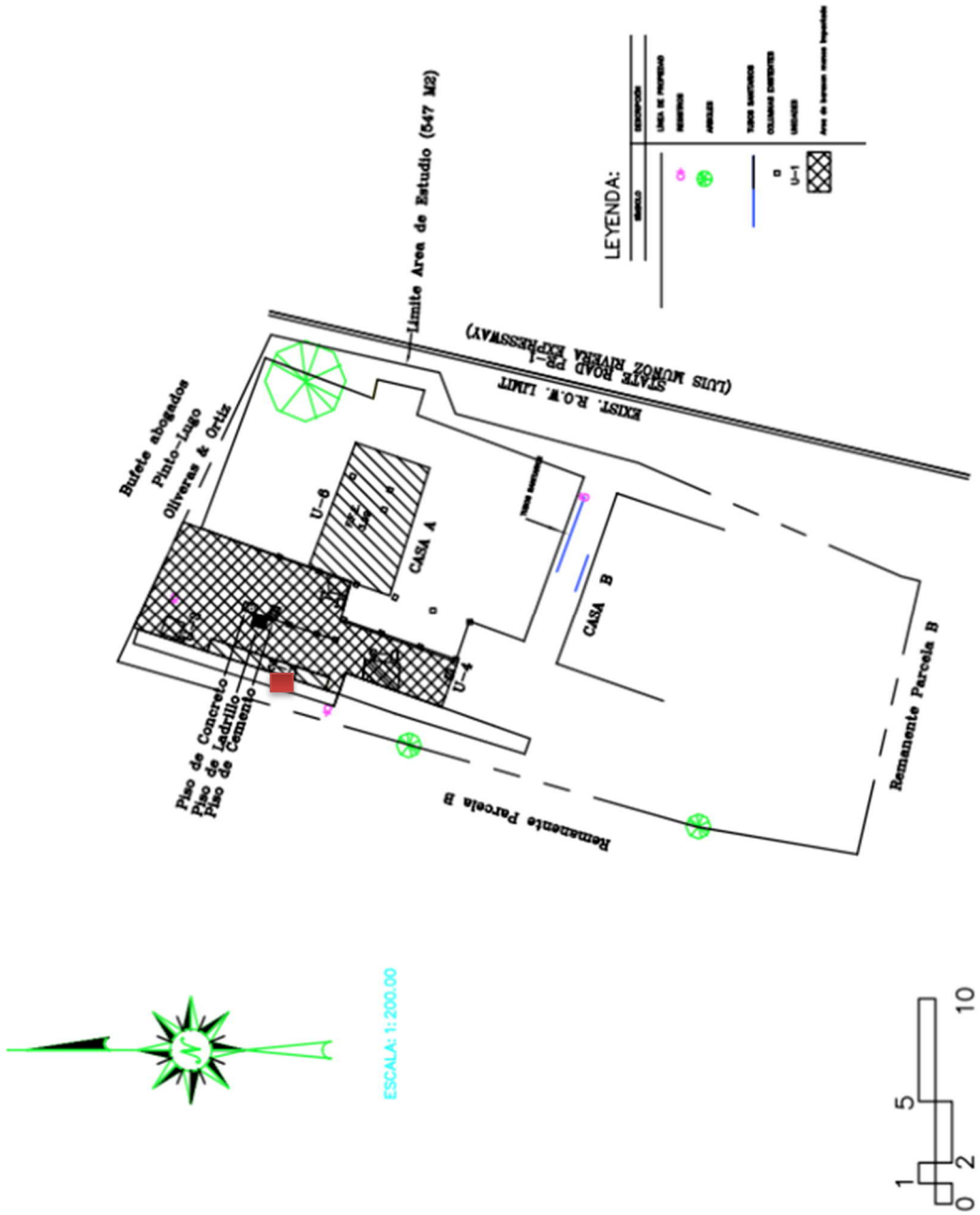


Figure 29. Plan of Spanish barrack remnant, incuding masonry rubble foundation in crosshatched area, and 1.5 square meters of *in-situ* brick floor in reddish brown, at a depth of 80 centimeters. Unit 6 (U-6) within House A (Casa A) detected 20th century foundations down to 2 meters (Source: *Phase 3, Informe Final, Mitigación Arqueológica Parcela B, Distrito del Centro de Convenciones*, Jesus E. Vega, 2015).

Figure 30. River sand protective cover above remnant of Spanish barrack, behind the Olive Garden Restaurant, 0.03 miles (48 meters) north of the direct APE (Source: *Phase 3, Informe Final, Mitigación Arqueológica Parcela B, Distrito del Centro de Convenciones*, Jesus E. Vega, 2015).

Figure 31. Low elevation drone photograph of excavation area, Phase 3 Mitigation of Spanish barrack remnants on northeast corner of Convention Center District, looking north, with Luis Muñoz Rivera Expressway to the east (Source: *Phase 3, Informe Final, Mitigación Arqueológica Parcela B, Distrito del Centro de Convenciones*, Jesus E. Vega, 2015).

Figure 32. Architectural Site Plan, Hilton HWS & HI San Juan City Center, including new multi-story parking (Phase 1) and new hotel (Phase 2). The protected remnant of the Spanish barrack is north of the Olive Garden Restaurant, 0.03 miles (48 meters) north of the direct APE (Source: PRISA Group).

Determination

The following historic properties have been identified within the APE:

- Direct Effect: There are no significant historic structures or archaeological sites considered eligible to the National Register of Historic Places within the direct APE, which is currently an asphalted, open parking lot.
- Indirect Effect: The remnant of a brick and masonry Spanish barrack, built c.1800 to 1805, is located approximately 0.03 miles north of the direct APE. This is the closest historic property to the direct APE, preserved in river sand with a concrete top layer in a protected area immediately north of the Olive Garden Restaurant. Phase 3 research (Vega 2015) identified the structure as a barrack of the *milicias disciplinadas*, repaired in 1817. It was used as a marine mechanic's shop in the first decades of the 20th century and demolished for construction of two multi-story buildings c.1934-1937. Only 1.5 square meters of the original brick floor of the barrack remaining *in situ*. Within the visual APE, the Historic District of Miramar is separate from the direct APE by the Luis Muñoz Rivera Expressway. The historic *Edificio Figueroa*, or Pinto-Lugo Rivera Building, is located 0.04 miles northeast, behind the Olive Garden Restaurant and a high concrete wall at the northeast property line of the Convention Center District. There are no historic properties adjacent to the direct APE. No historic properties will be directly or indirectly affected by the proposed undertaking.

-PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	
Subrecipient: Municipality of San Juan	
Project Name: Hilton HWS & HI San Juan City Center	Project ID: PR-CRP-000306

Recommendation *(Please keep on same page as SHPO Staff Section)*

The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

☐ No Historic Properties Affected

☒ No Adverse Effect Condition (if applicable):

The protected historic site of the Spanish barrack, built c.1800-1805, is within the Convention District Center and within Parcel B, but outside of the direct APE, separated by the Olive Garden Restaurant 0.03 miles (48 meters) north, under no direct or indirect adverse effect from the undertaking. No additional studies are recommended.

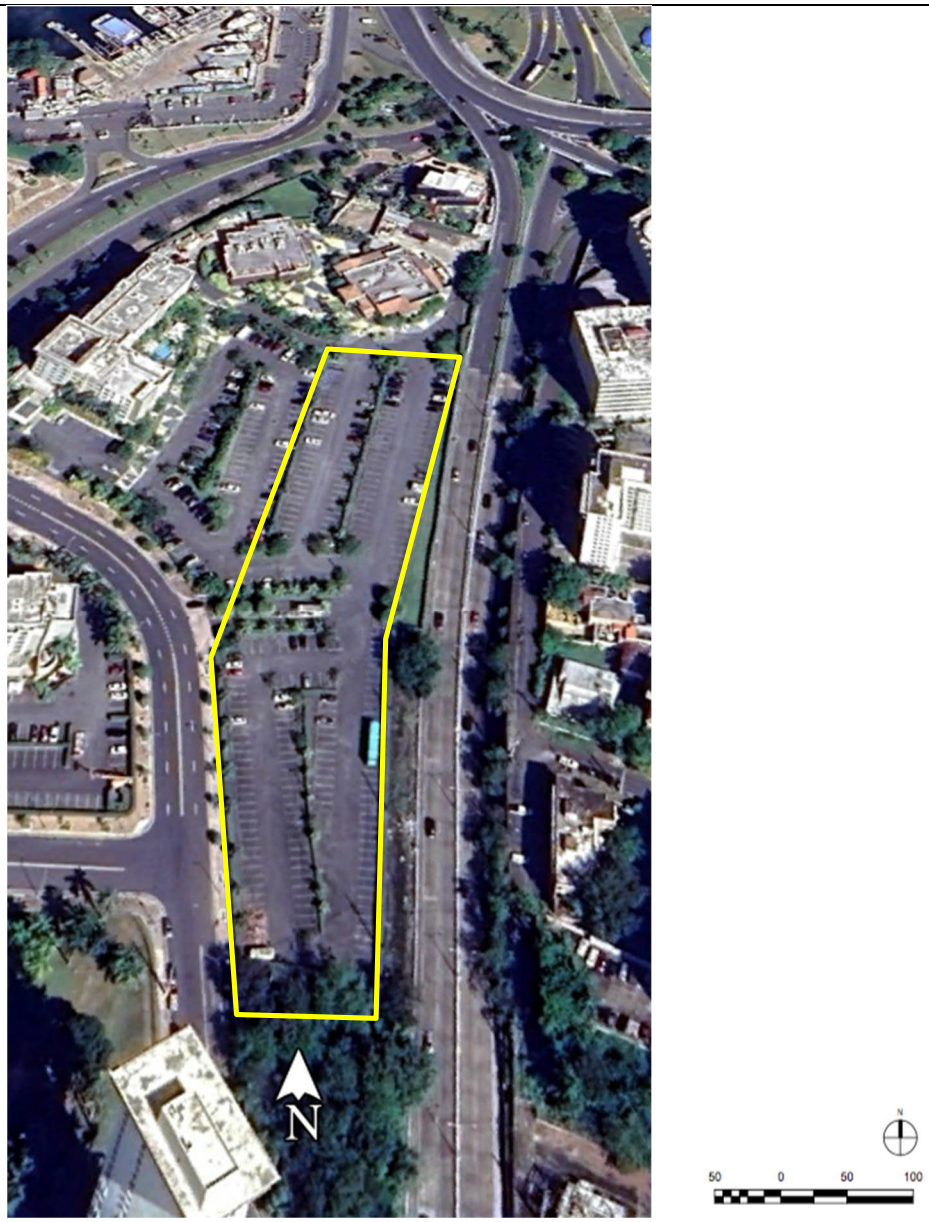
☐ Adverse Effect

Proposed Resolution (if applicable):

This Section is to be completed by SHPO Staff Only

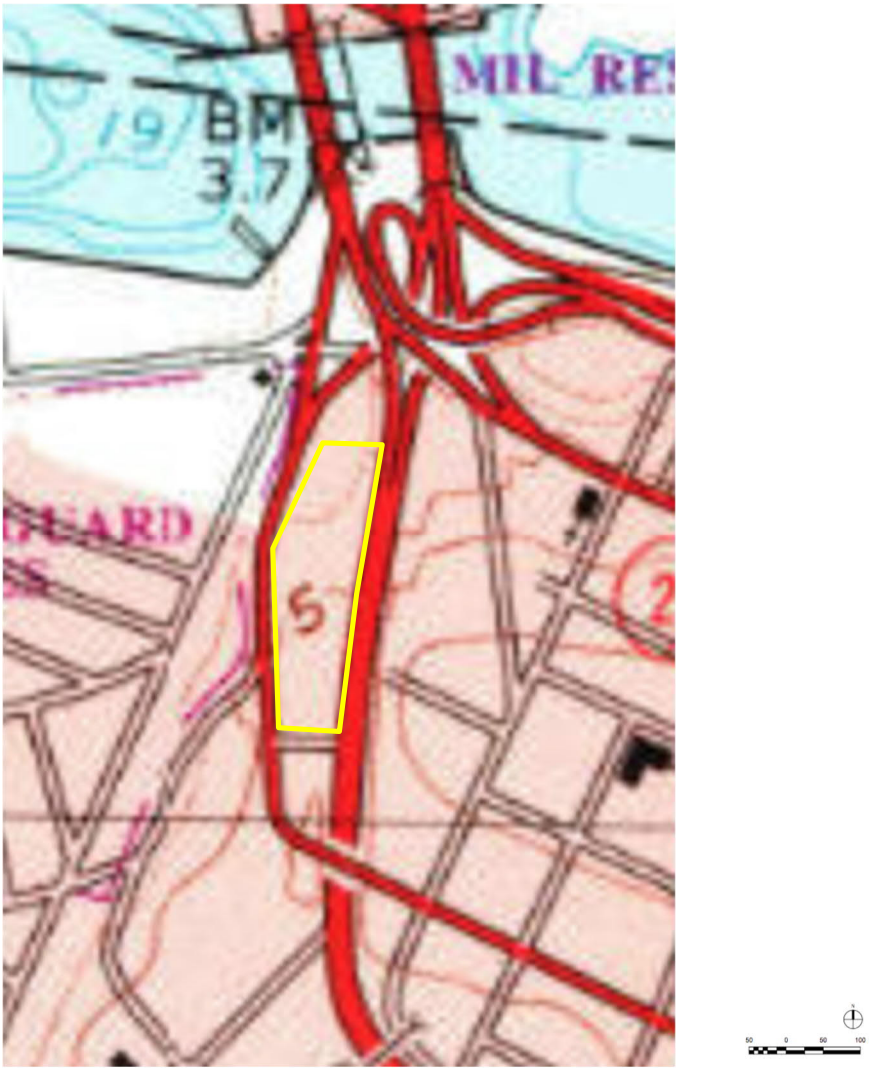
The Puerto Rico State Historic Preservation Office has reviewed the above information and: ☐ Concurs with the information provided. ☐ Does not concur with the information provided.	
Comments:	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Project (Parcel) Location – Area of Potential Effects (Aerial)



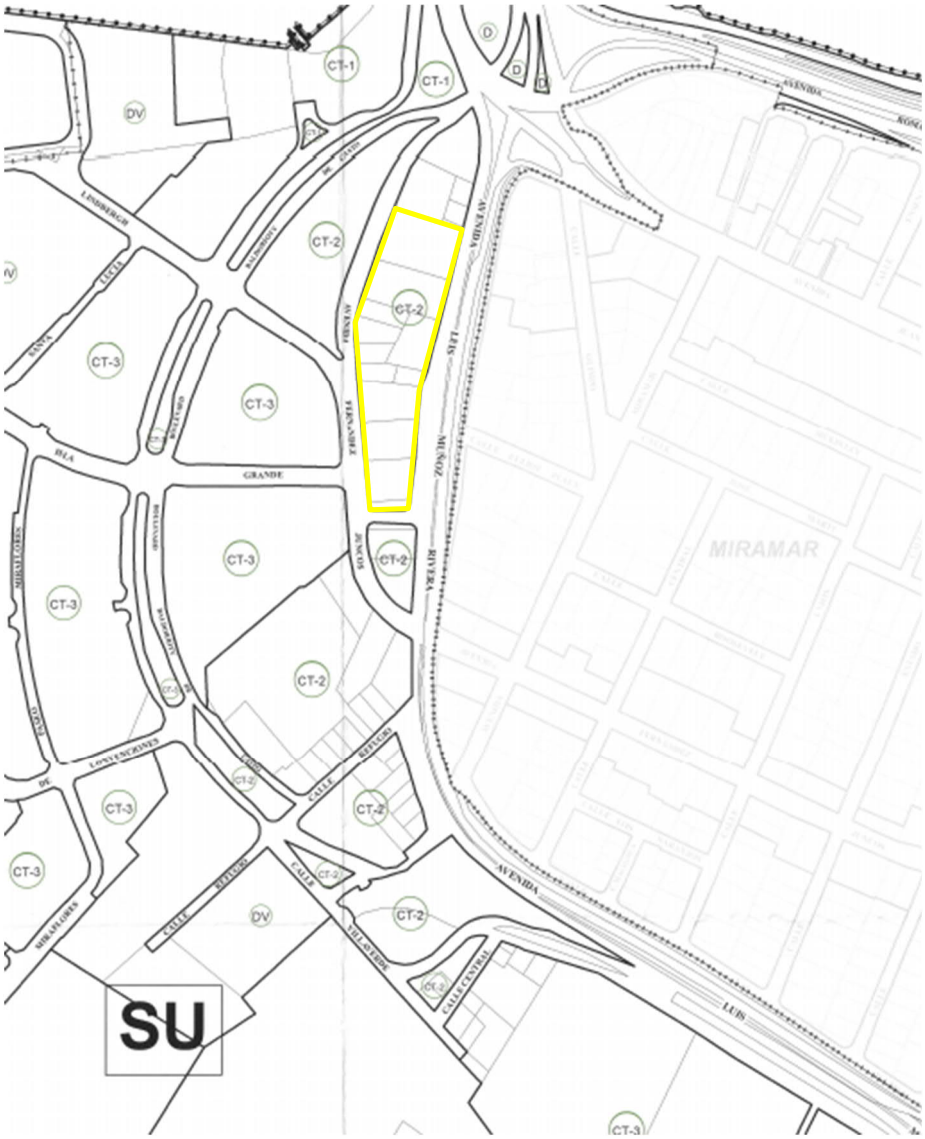
Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Project (Parcel) Location – Area of Potential Effects (Topographic)



Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Project (Parcel) Location - Soils Map – SU/Suelo Urbano CT Comercial/Turístico

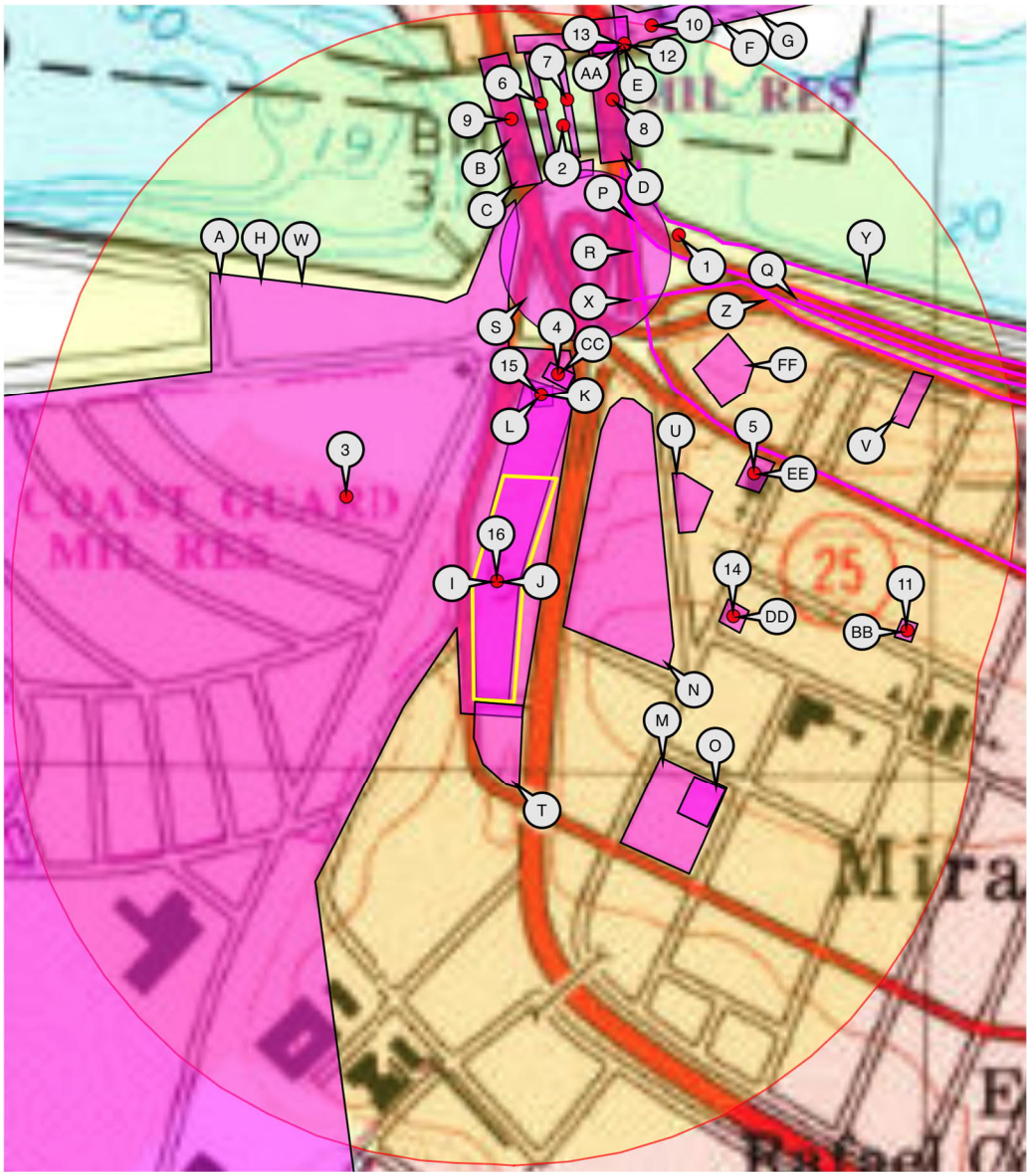


Source: Puerto Rico Planning Board

Project (Parcel) Location with Previous Investigations and Recorded Historic Properties Within a Quarter-Mile Radius - Aerial Map

Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Project (Parcel) Location with Previous Investigations and Recorded Historic Properties Within a Quarter-Mile Radius - USGS Topographic Map



Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Photograph Key

Source: 2022 Google Earth Pro

Photo #: 1	Description: Direct APE, Parking lot west of Muñoz Rivera Expressway, for Phase 2 (hotel).
Date: 10/12/23	Direction: N

Photo #: 2	Description: South end of direct APE for Phase 2 (hotel).
Date: 10/12/23	Direction: S

Photo #: 3 Date: 10/12/23	Description: Looking southeast from entrance to Olive Garden Restaurant. The north end of direct APE for Phase 1 (multi-story parking building) begins after the roundabout. The tallest buildings of Miramar are within the visual APE but separated by Luis Muñoz Rivera Expressway. Direction: SE

Photo #: 4	Description: Rear of Olive Garden Restaurant with buried Spanish barrack archaeological site just beyond the asphalt, within Parcel B but 0.03 miles north of the direct APE for Phase 1 (parking building). Edificio Figueroa is behind the wall of the property line. Direction: NW
Date: 10/12/23	

Photo #: 5	Description: East side of direct APE of Phase 1 (parking building), with old Justice Department Building within the visual APE.
Date: 10/14/23	Direction: NE

Photo #: 6	Description: Looking at west side of direct APE from the Olive Garden Roundabout, with Hotel Borinquen, now Caribbean Sea View Apartments 0.03 miles southwest of the direct APE.
Date: 10/14/23	Direction: S

Photo #: 7	Description: South border of direct APE for Phase 2 (hotel), facing undeveloped parcel with secondary forest vegetation cover.
Date: 10/14/23	Direction: S

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Noise (EA Level Reviews) – PARTNER

https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control

1. **What activities does your project involve? Check all that apply:**

☐ New construction for residential use

NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.

→ *Continue to Question 2.*

☐ Rehabilitation of an existing residential property

NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. For major rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.

→ *Continue to Question 2.*

☒ None of the above

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. **Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).**

Indicate the findings of the Preliminary Screening below:

☐ There are no noise generators found within the threshold distances above.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.*

☐ Noise generators were found within threshold distances.

→ *Continue to Question 3.*

3. **Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:**

☐ Acceptable (65 decibels or less; the ceiling may be shifted to 70 decibels in the circumstances described in §24 CFR 51.105(a))

Indicate noise level here:

→ *If the RE/HUD agrees with this recommendation, the review complies with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.*

☒ Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in the circumstances described in 24 CFR 51.105(a))

Indicate noise level here: 70.3 decibels

If the project is rehabilitation:

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.*

If the project is new construction:

Is the project in a largely undeveloped area[1]?

☐ No

☐ Yes → ***The project requires completion of an Environmental Impact Statement (EIS) under 51.104(b)(1)(i).***

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.*

☐ Unacceptable: (Above 75 decibels)

Indicate noise level here: Click here to enter text.

If the project is rehabilitation:

HUD strongly encourages the converting noise-exposed sites to land uses compatible with high noise levels. Consider converting this property to a non-residential use compatible with high noise levels.

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.*

If project is new construction:

The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). *Work with HUD or the RE to either complete an EIS or obtain a waiver signed by the appropriate authority.*

→ *Continue to Question 4.*

[1] A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses and does not have water and sewer capacity to serve the project.

4. **HUD strongly encourages mitigation be used to eliminate adverse noise impacts. Work with the RE/HUD on the development of the mitigation measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

☐ Mitigation as follows will be implemented:

Click here to enter text.

→ *Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures.*

Continue to the Worksheet Summary.

☐ No mitigation is necessary.

Explain why mitigation will not be made here:

Click here to enter text.

→ *Continue to the Worksheet Summary.*

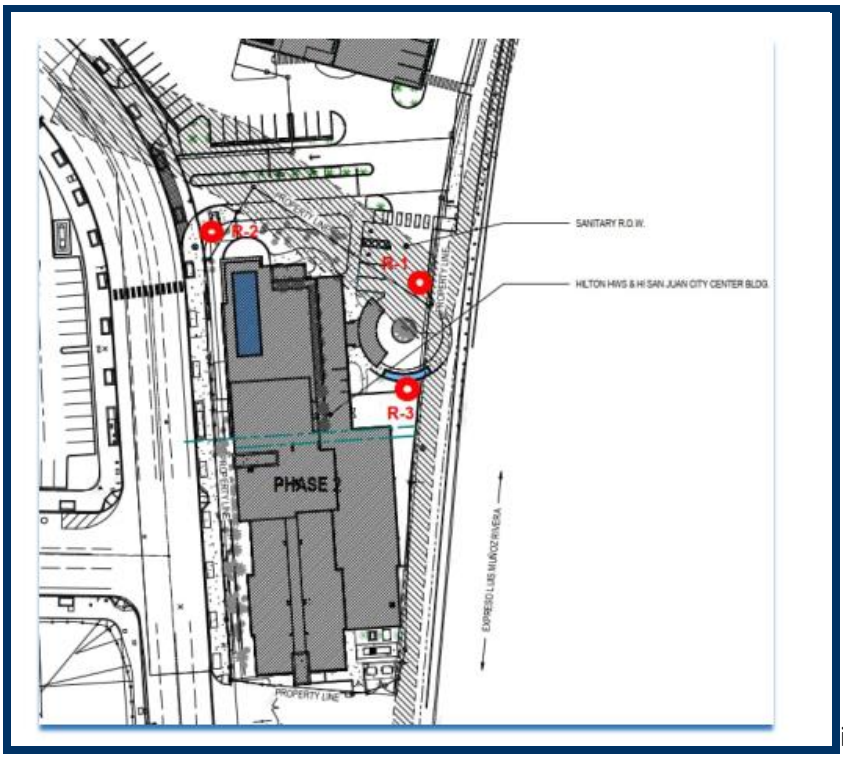
Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project consists of constructing a 255 Keys hotel in an urban area. No residential units are contemplated. Nevertheless, noise samples were obtained at the site using a certified and calibrated noise meter. The measured noise levels at both faces of the building were 70.3 dB(A). Levels between 65 and 75 dB are classified as normally unaccepted by HUD. Nevertheless, the noise level inside the proposed building will be 42 dB because the exterior walls and windows will cause a decibel drop of 28 dB. This drop is caused by the high noise reduction coefficient of the building construction materials. Exterior walls will be constructed of concrete with an NRC of 0.97, and the window glass has an NRC of 0.95. Appendix G includes the calculations developed to determine the decibel drop. Based on this information, the project complies with Noise Control and Abatement.



iSgure prepared by CMA.

OMB No. 2506-0177
(exp.9/30/2021)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Sole Source Aquifers (CEST and EA) - PARTNER

https://www.hudexchange.info/environmental-review/sole-source-aquifers

1. **Is the project located on a sole source aquifer (SSA)[1]?**
   ☒No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map of your project or jurisdiction in relation to the nearest SSA.*

   ☐Yes → *Continue to Question 2.*

2. **Does the project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?**
   ☐Yes → *The review is in compliance with this section. Continue to the Worksheet Summary below.*

   ☐No → *Continue to Question 3.*

3. **Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer?**
   Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area.
   ☐Yes → *Continue to Question 4.*

   ☐No → *Continue to Question 5.*

4. **Does your MOU or working agreement exclude your project from further review?**
   ☐Yes → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination and document where your project fits within the MOU or agreement.*

   ☐No → *Continue to Question 5.*

5. **Will the proposed project contaminate the aquifer and create a significant hazard to public health?**
   Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area. EPA will also want to know about water, storm water and waste water at the proposed project. Follow

[1] A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.

your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

☐No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide your correspondence with the EPA and all documents used to make your determination*.

☐Yes → *The RE/HUD will work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. <u>If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied.</u> Continue to Question 6.*

<u>Worksheet Summary</u>

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The National Wild and Scenic Rivers System map for Puerto Rico has no scenic or wild river in the project area. The nearest scenic or wild rivers are segments of La Mina and Icacos rivers located approximately 23 miles to the east of the site. The National Rivers Inventory (NRI) is a list of free-flowing river segments in the U.S. that are believed to possess one or more "outstandingly remarkable" values. The nearest NRI-listed rivers are segments of the Espíritu Santo and Sabana rivers. These are located 20 miles to the east. A copy of the Wild and Scenic and NRI Map for Puerto Rico is attached.

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Wetlands (CEST and EA) – Partner

https://www.hudexchange.info/environmental-review/wetlands-protection

1. **Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance?**
   The term "new construction" includes draining, dredging, channelizing, filling, diking, impounding, and related activities and construction of any any structures or facilities.

   ☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

   ☒ Yes → *Continue to Question 2.*

2. **Will the new construction or other ground disturbance impact a wetland as defined in E.O. 11990?**

   ☒ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map or any other relevant documentation to explain your determination.*

   ☐ Yes → *Work with HUD or the RE to assist with the 8-Step Process. Continue to Question 3.*

3. **Does Section 55.12 state that the 8-Step Process is not required?**

   ☐ No, the 8-Step Process applies.
   This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements.
   → *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

   ☐ 5-Step Process is applicable per 55.12(a).
   Provide the applicable citation at 24 CFR 55.12(a) here.
   Click here to enter text.
   → *Work with the RE/HUD to assist with the 5-Step Process. This project may require mitigation or alternations. Continue to Worksheet Summary.*

   ☐ 8-Step Process is inapplicable per 55.12(b).
   Provide the applicable citation at 24 CFR 55.12(b) here.
   Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.*

☐ 8-Step Process is inapplicable per 55.12(c).

Provide the applicable citation at 24 CFR 55.12(c) here.

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The National Wetlands Inventory shows that the project is not located in areas classified as wetlands. A copy of the area map is included.

Wild and Scenic Rivers (CEST and EA)

General requirements	Legislation	Regulation
The Wild and Scenic Rivers Act provides federal protection for certain free-flowing, wild, scenic and recreational rivers designated as components or potential components of the National Wild and Scenic Rivers System (NWSRS) from the effects of construction or development.	The Wild and Scenic Rivers Act (16 U.S.C. 1271-1287), particularly section 7(b) and (c) (16 U.S.C. 1278(b) and (c))	36 CFR Part 297
References		
https://www.hudexchange.info/environmental-review/wild-and-scenic-rivers		

1. **Is your project within proximity of a NWSRS river as defined below?**
   Wild & Scenic Rivers: These rivers or river segments have been designated by Congress or by states (with the concurrence of the Secretary of the Interior) as wild, scenic, or recreational
   Study Rivers: These rivers or river segments are being studied as a potential component of the Wild & Scenic River system.
   Nationwide Rivers Inventory (NRI): The National Park Service has compiled and maintains the NRI, a register of river segments that potentially qualify as national wild, scenic, or recreational river areas

   ☒ No
   → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map identifying the project site and its surrounding area or a list of rivers in your region in the Screen Summary at the conclusion of this screen.*

   ☐ Yes, the project is in proximity of a Nationwide Rivers Inventory (NRI) River.
   → *Continue to Question 2.*

2. **Could the project do *any* of the following?**
   - Have a direct and adverse effect within Wild and Scenic River Boundaries,
   - Invade the area or unreasonably diminish the river outside Wild and Scenic River Boundaries, or
   - Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment.

Consultation with the appropriate federal/state/local/tribal Managing Agency(s) is required, pursuant to Section 7 of the Act, to determine if the proposed project may have an adverse effect on a Wild & Scenic River or a Study River and, if so, to determine the appropriate avoidance or mitigation measures.
Note: Concurrence may be assumed if the Managing Agency does not respond within 30 days; however, you are still obligated to avoid or mitigate adverse effects on the rivers identified in the NWSRS

☐ No, the Managing Agency has concurred that the proposed project will not alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

☐ Yes, the Managing Agency was consulted and the proposed project may alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *Continue to Question 3.*

3. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ *Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The National Wild and Scenic Rivers System map for Puerto Rico does not have any scenic or wild river at the project area. Nearest scenic or wild rivers are segments of La Mina and Icacos rivers located at approximately 23 miles to the east of the site. The National Rivers Inventory (NRI) is a list of free-flowing river segments in the U.S. that are believed to possess one or more "outstandingly remarkable" values. The nearest NRI listed rivers are segments of the Espíritu Santo and Sabana rivers. These are located 20 miles to the east. Copy of the Wild and Scenic and NRI Map for Puerto Rico is attached.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

OMB No. 2506-0177
(exp.9/30/2021)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Environmental Justice (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/environmental-justice

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

1. **Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?**

   ☐Yes → *Continue to Question 2.*

   ☒No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. **Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?**

   ☐Yes

   Explain:

   Click here to enter text.

   → *The RE/HUD must work with the affected low-income or minority community to decide what mitigation actions, if any, will be taken. Provide any supporting documentation.*

   ☐No

   Explain:

   Click here to enter text.

   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The Land Use Plan for the municipality of San Juan classifies the area as Tourist-Commercial. The proposed project is compatible with the zoning requirements. No low-income residential areas will be directly impacted by the proposed project. The surrounding areas are hotels, restaurants, and residential private buildings. None of the environmental issues that have been identified would impact low income or minority populations. The proposed project will generate hundreds of direct and indirect jobs during the construction and operational phases. The operation of the hotel and its amenities will positively impact the economical growth of the Centro de Convenciones District. This project is in compliance with Environmental Justice.

Appendix B

Maps

DEPARTAMENTO DE LA VIVIENDA

Map 1

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 Civil Airport

Legend

- Runway Protection Zones
- Airport Runways

0 0.04 0.09 0.17 mi

N W E S

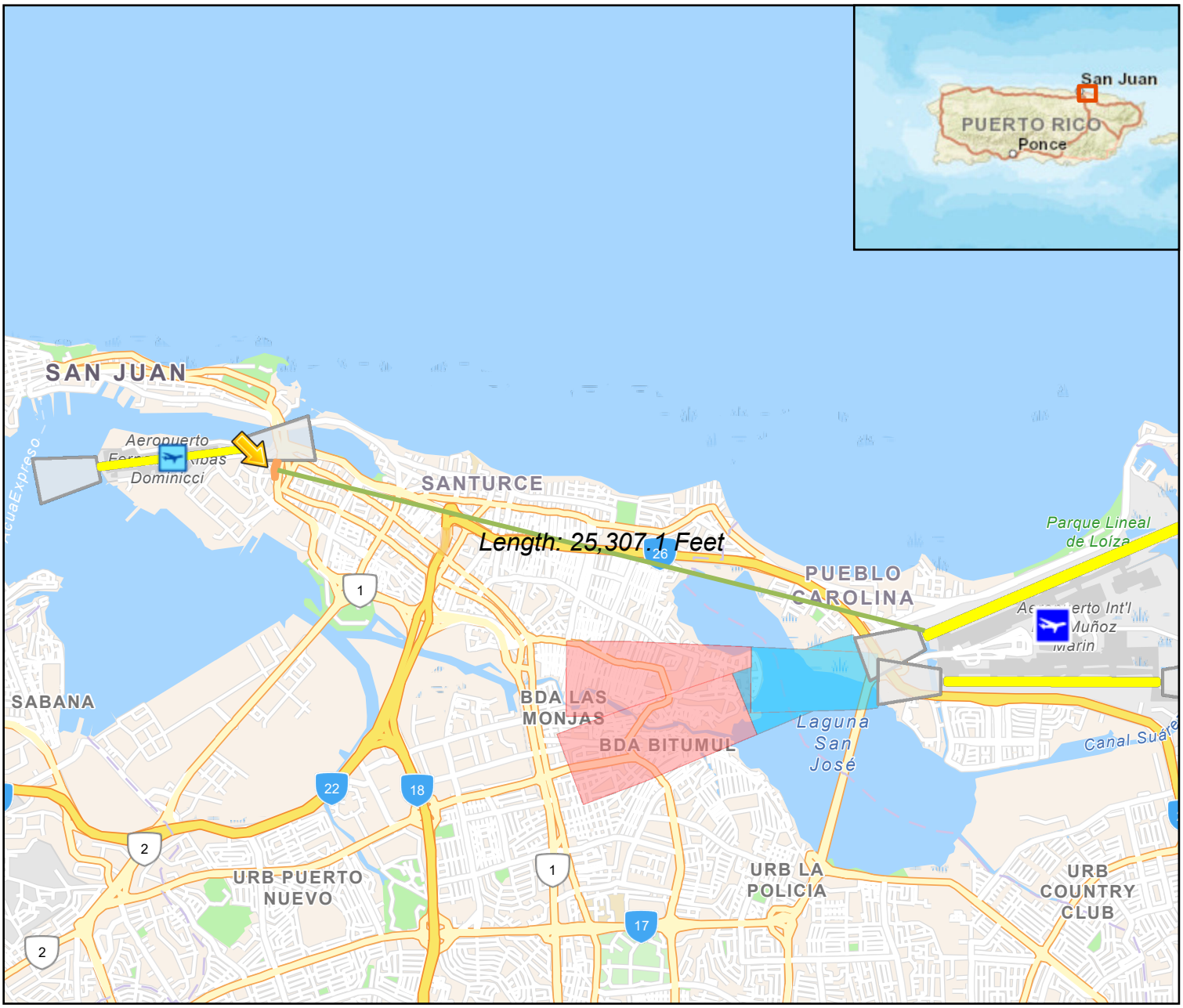
Runway Protection Zones

Major Civil and Military Airports

Map 2

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 Military Airport



Legend

- Military Accident Potential Zones APZ 2
- Military Accident Potential Zones APZ 1
- Runway Protection Zones
- Airport Runways
- Major
- Minor Airport

0 0.5 1 2 mi

N
W E
S

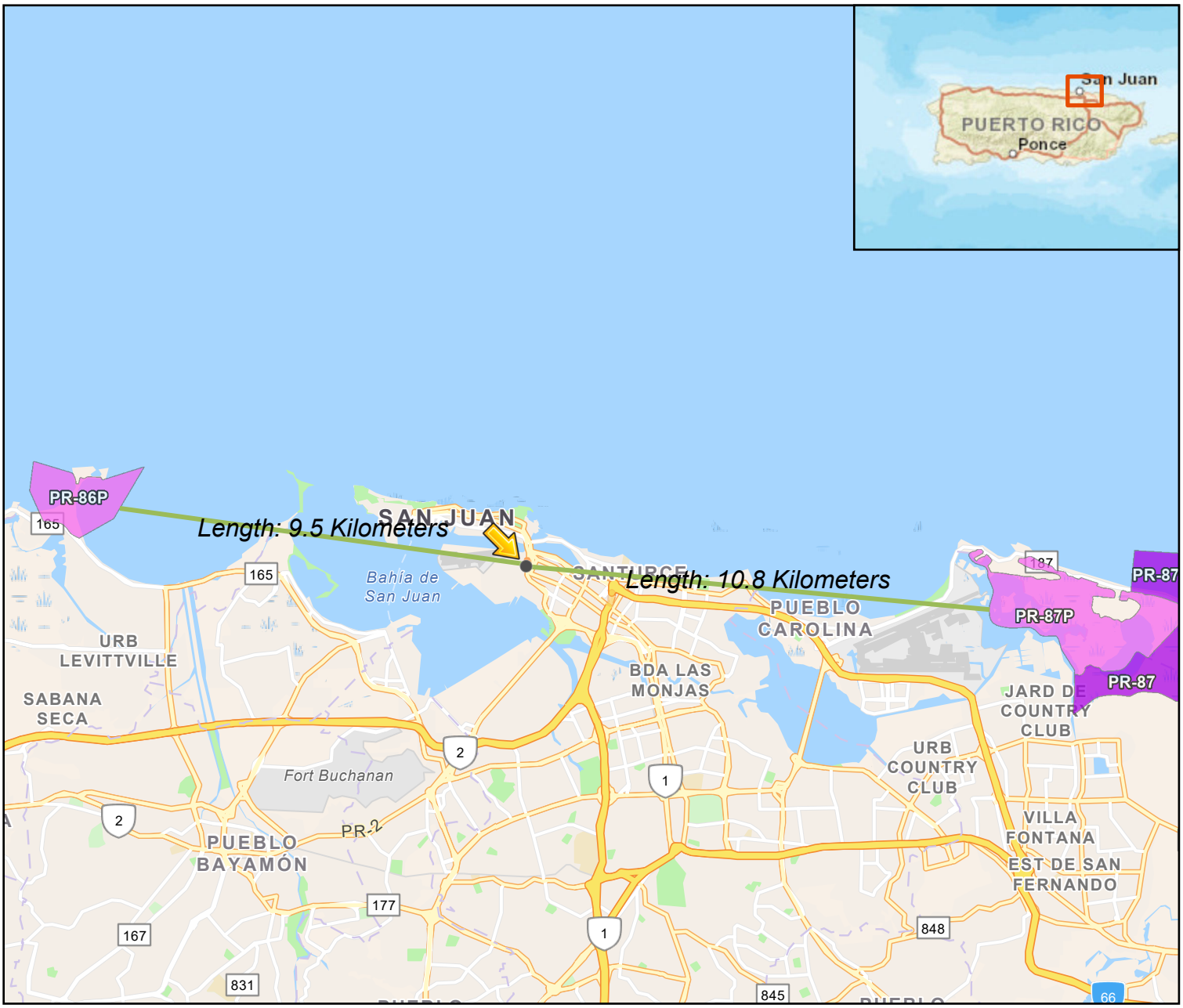
Runway Protection Zones

Major Civil and Military Airports

Map 3

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 CBRS



Legend

- Otherwise Protected Area
- System Unit

0 1.25 2.5 5 mi

N W E S

U.S. Fish and Wildlife Service

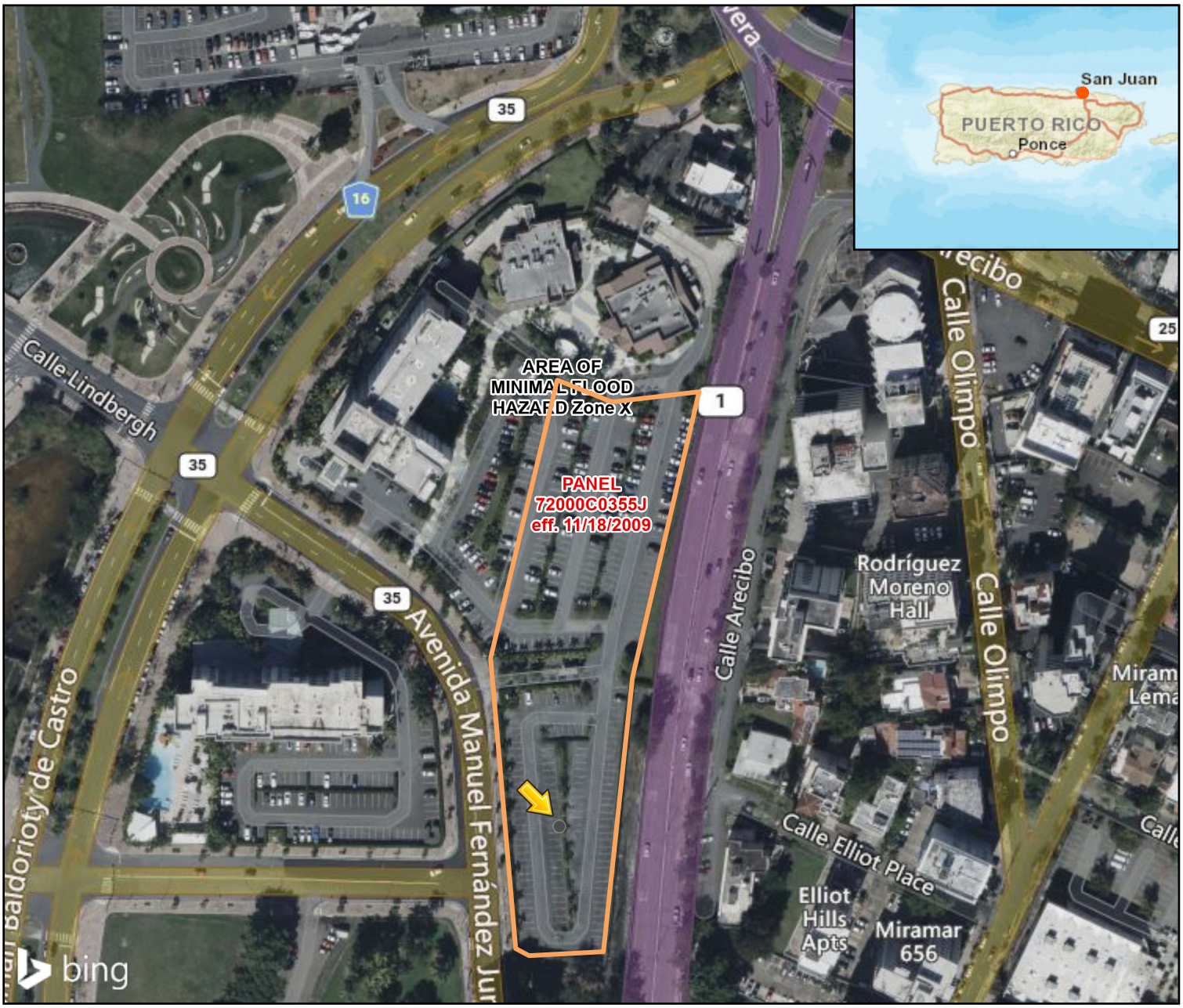
Coastal Barrier Resources Act Program

DEPARTAMENTO DE LA VIVIENDA

Map 4

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 Effective FIRM



Legend

FEMA Flood Zones - Effective

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- X, Area of Minimal Flood Hazard
- FEMA Flood Zone Panel

0 0.02 0.04 0.08 mi

N W E S

FEMA Map Service

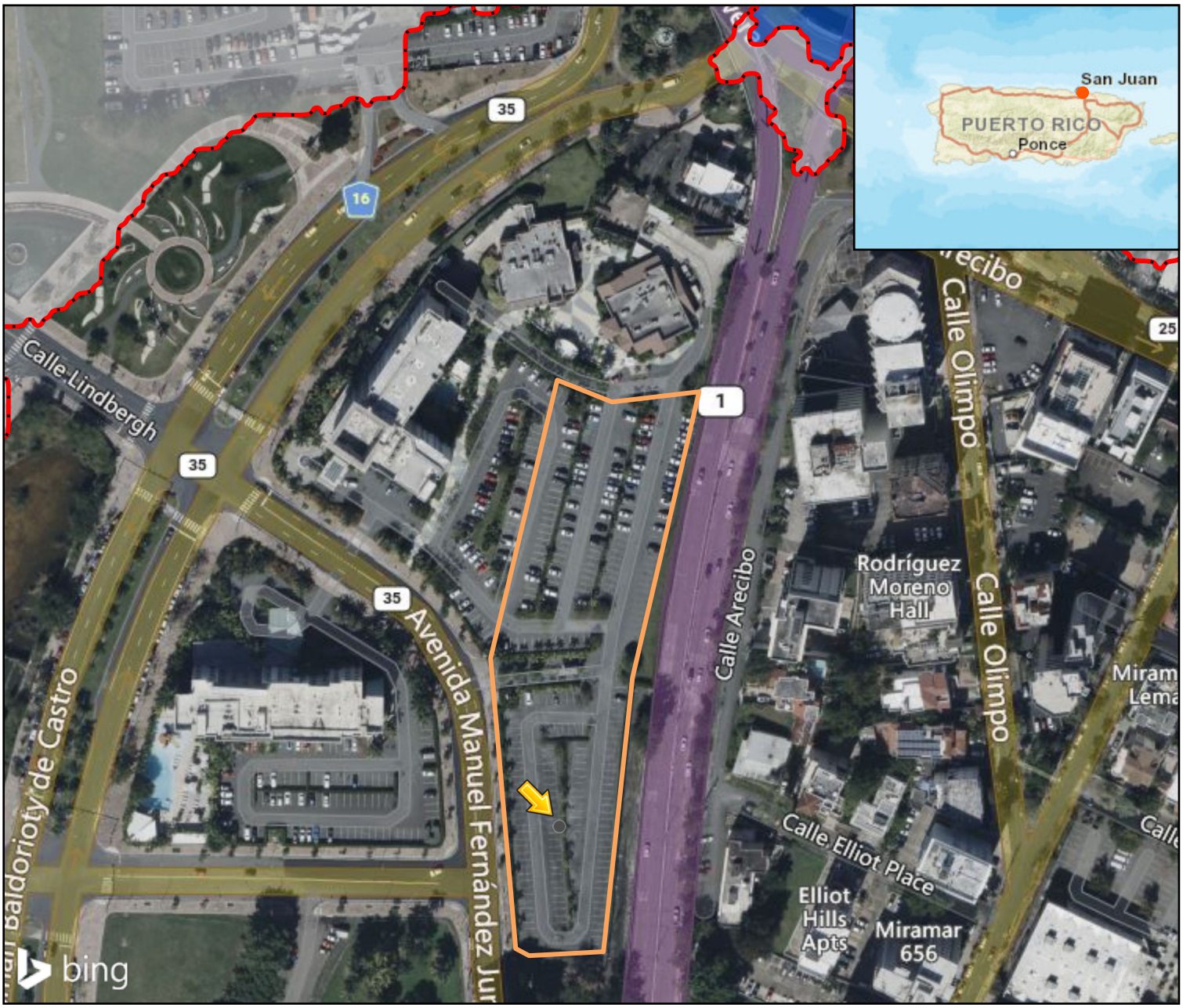
Flood Insurance Rate Maps

DEPARTAMENTO DE LA VIVIENDA

Map 5

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 ABFE



Legend

- AE
- 0.2% Annual Chance Flood Zone
- Zone/BFE Boundary

0 0.02 0.04 0.08 mi

N W E S

FEMA Map Service

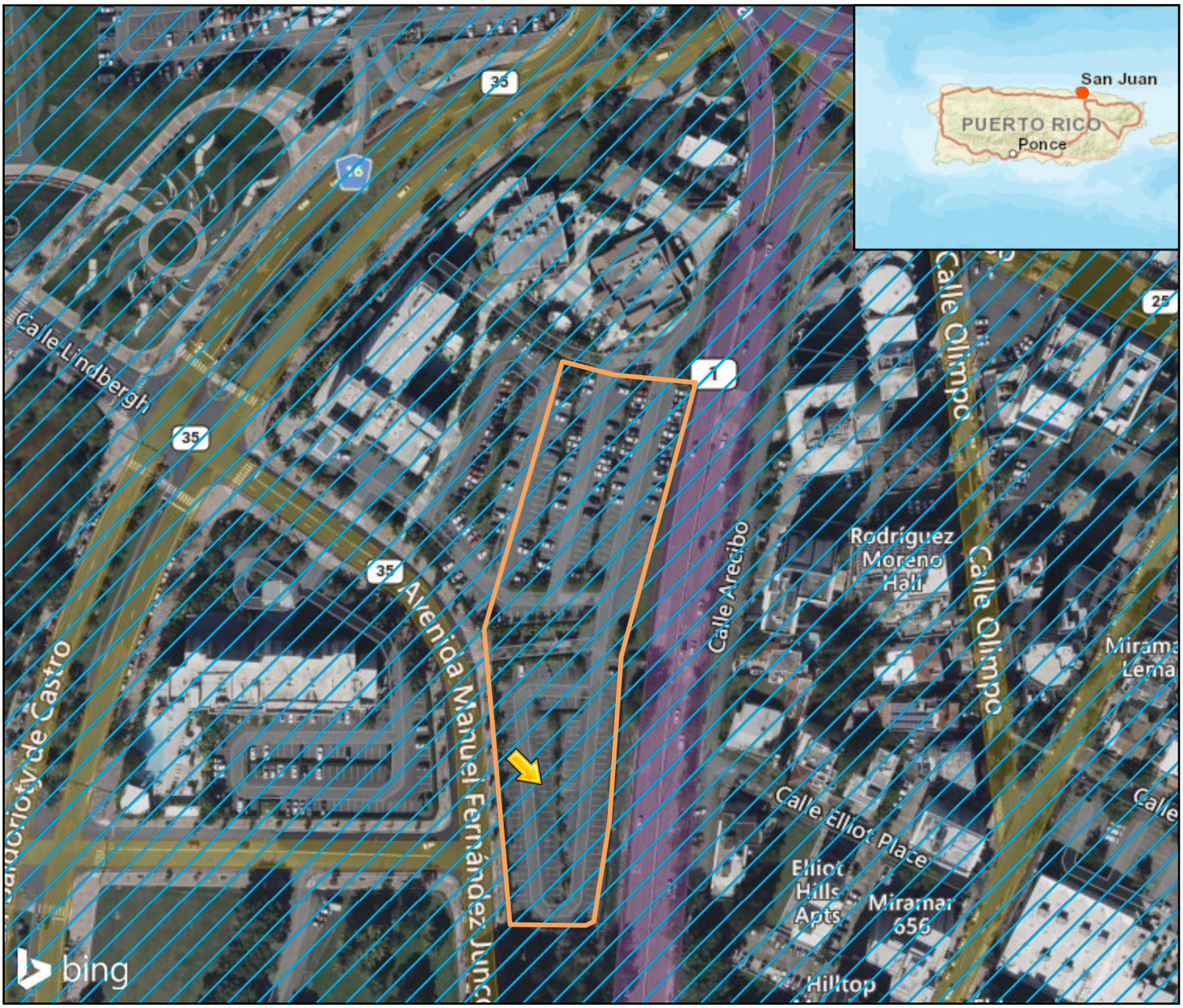
ABFE 1PCT

DEPARTAMENTO DE LA VIVIENDA

Map 6

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 CZM



Legend

Coastal Zone Management Act Boundary

0 0.02 0.04 0.08 mi

N
W E
S

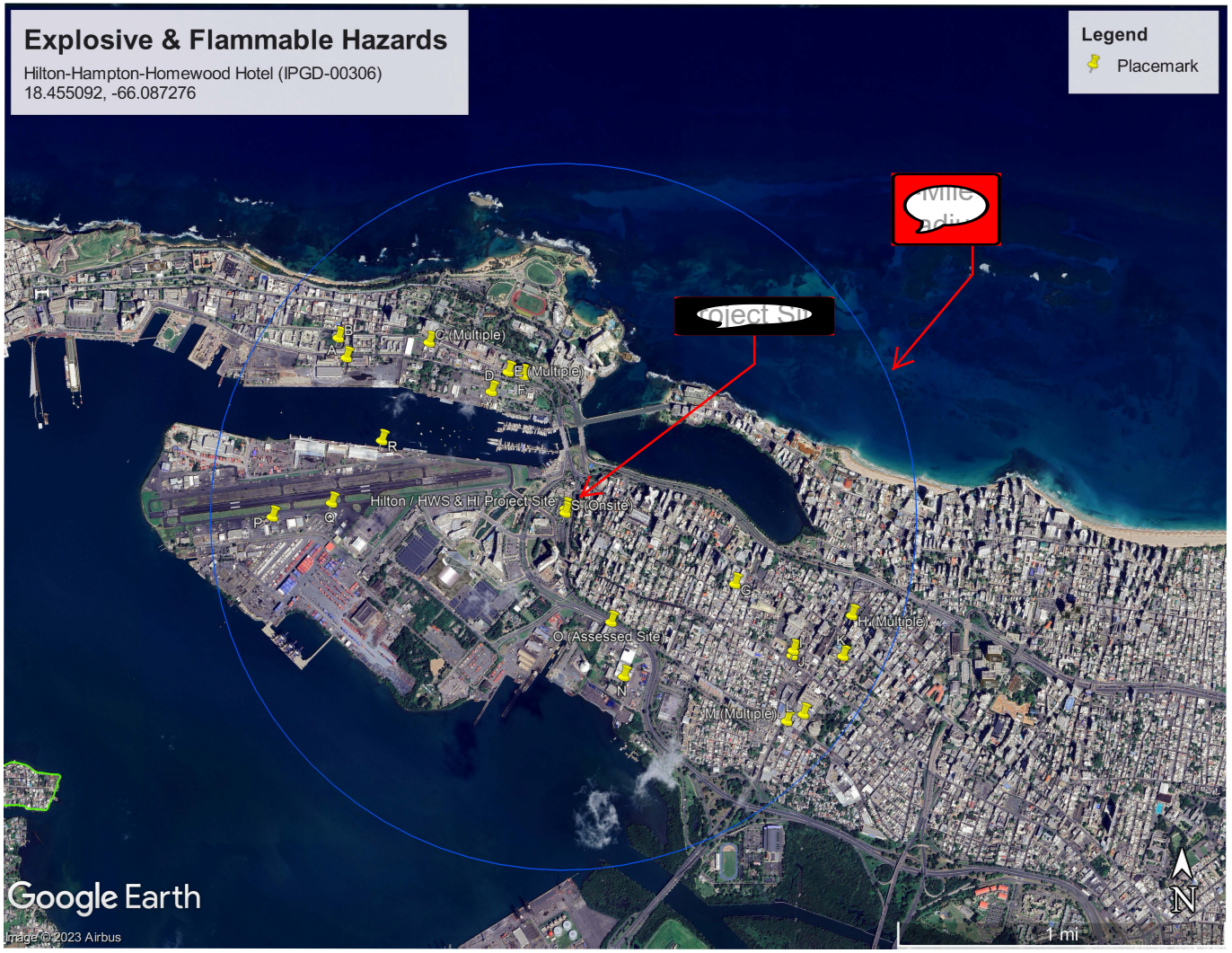
NOAA

Coastal Zone Management Act

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernandez Juncos
San Juan, PR 00907
18.455092, -66.087276

Map 7

Explosive & Flammable Hazards



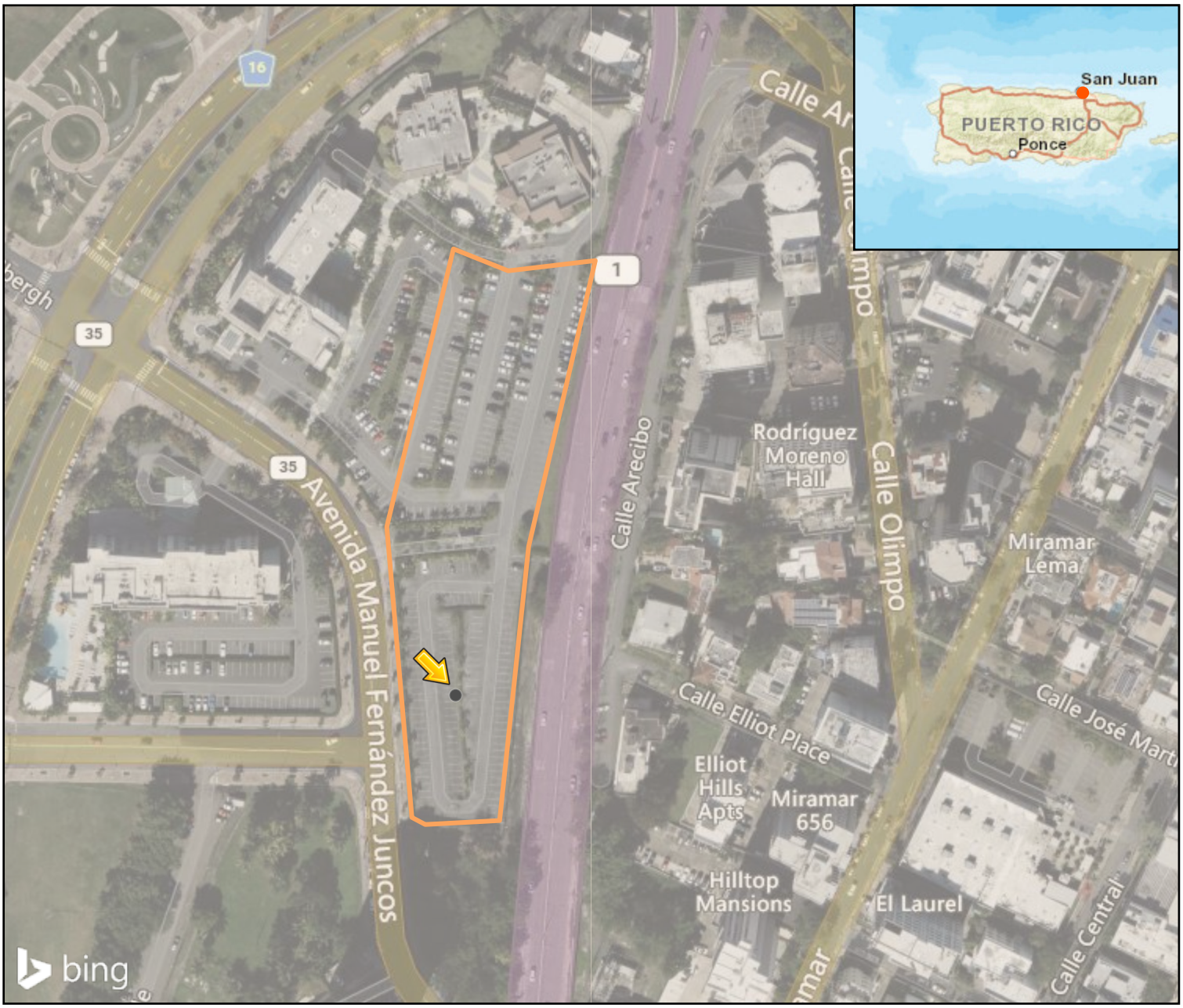
Obtained from Google Earth

DEPARTAMENTO DE LA VIVIENDA

Map 8

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 Farmlands



Legend

- Prime Farmland
- Farmland of Local Importance
- Farmland of Statewide Importance
- Farmland of Unique Importance
- Not Prime Farmland

0 0.02 0.04 0.08 mi

N
W E
S

USGS USA Soils

Farmland dataset

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

Map 9

Sole Source Aquifers

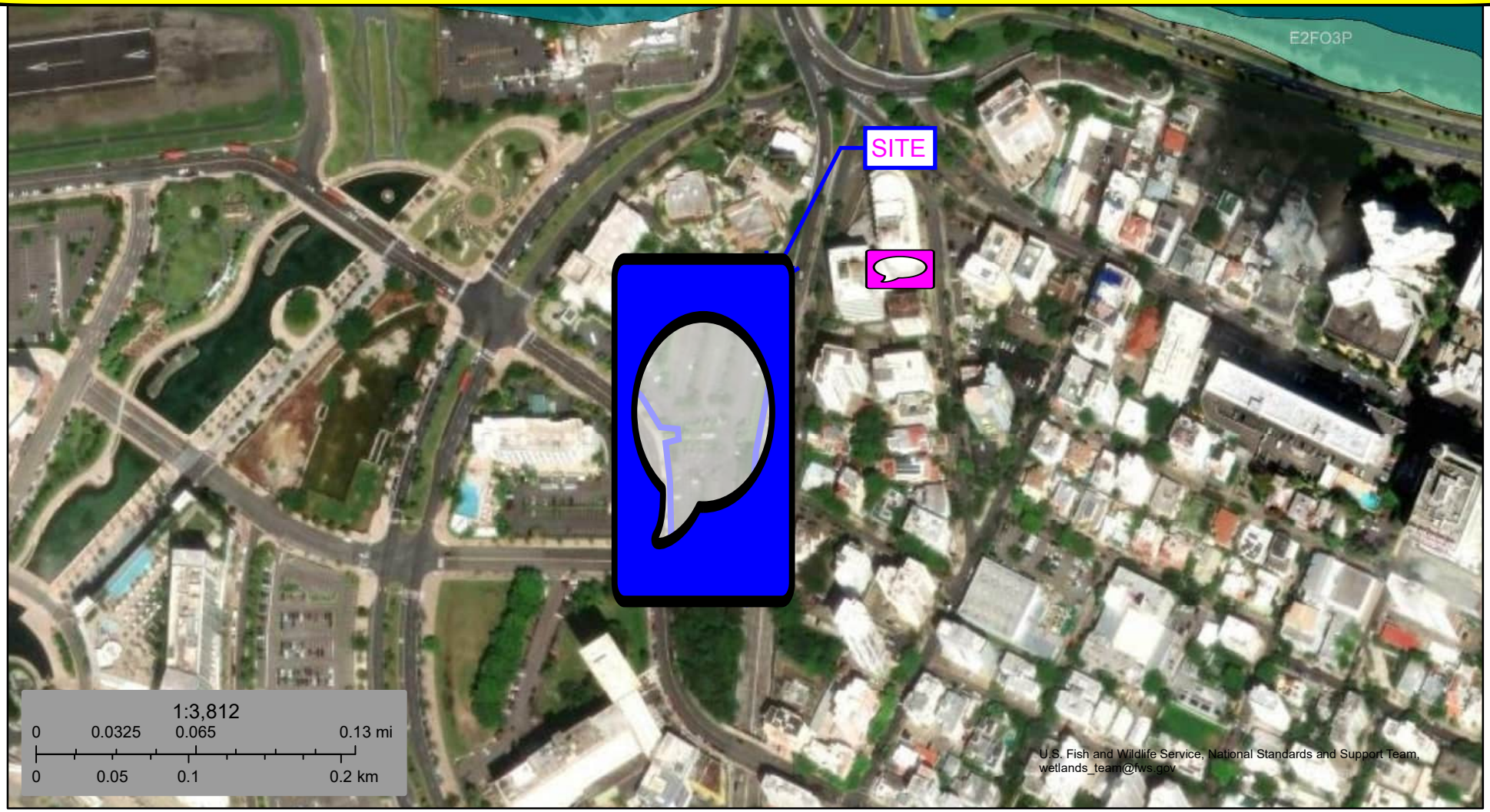
Obtained from
https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b

U.S. Fish and Wildlife Service
National Wetlands Inventory

Map 10

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

IPGD-00306 NWI



April 17, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

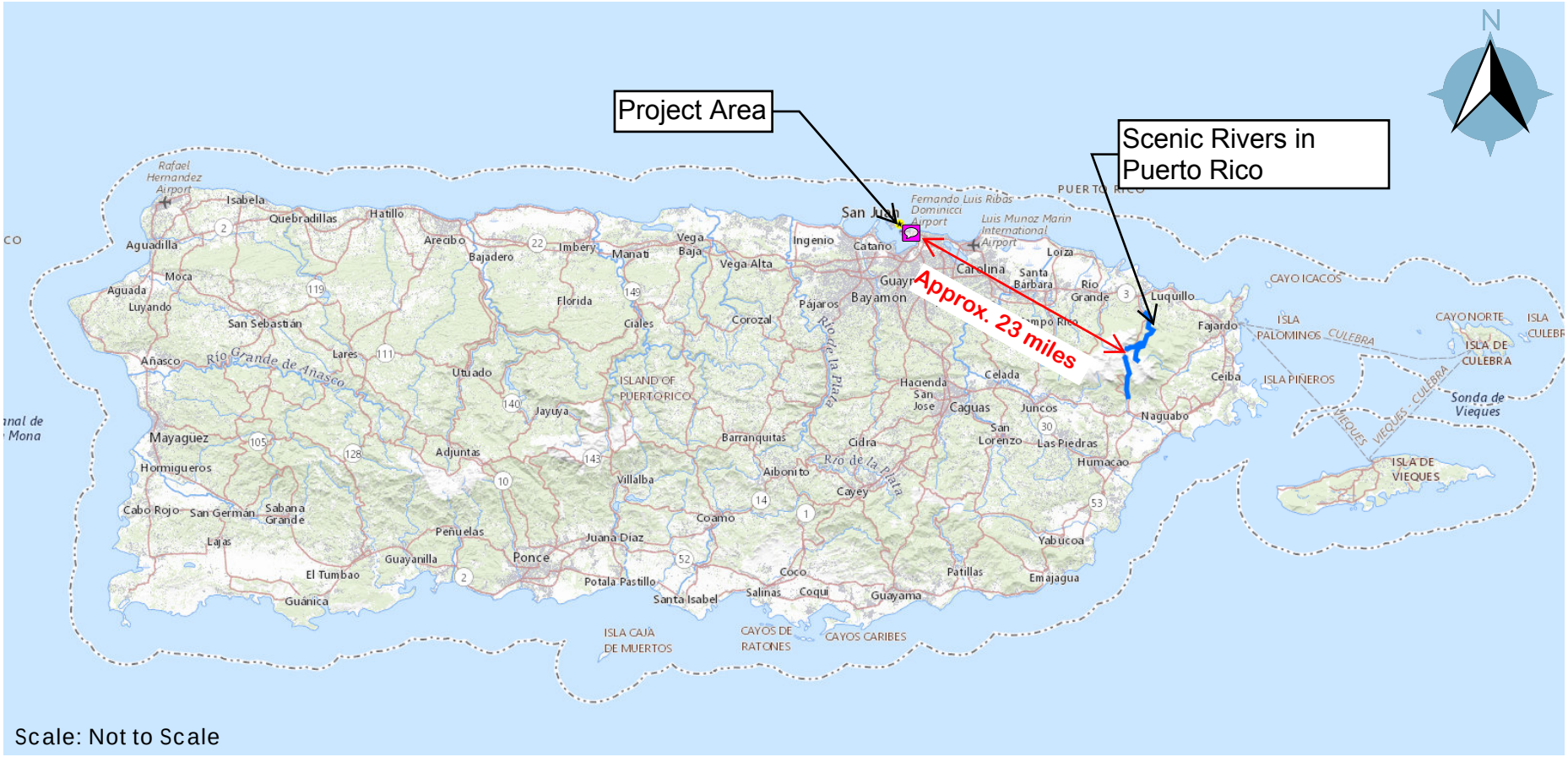
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Map 11

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

Wild and Scenic Rivers Map

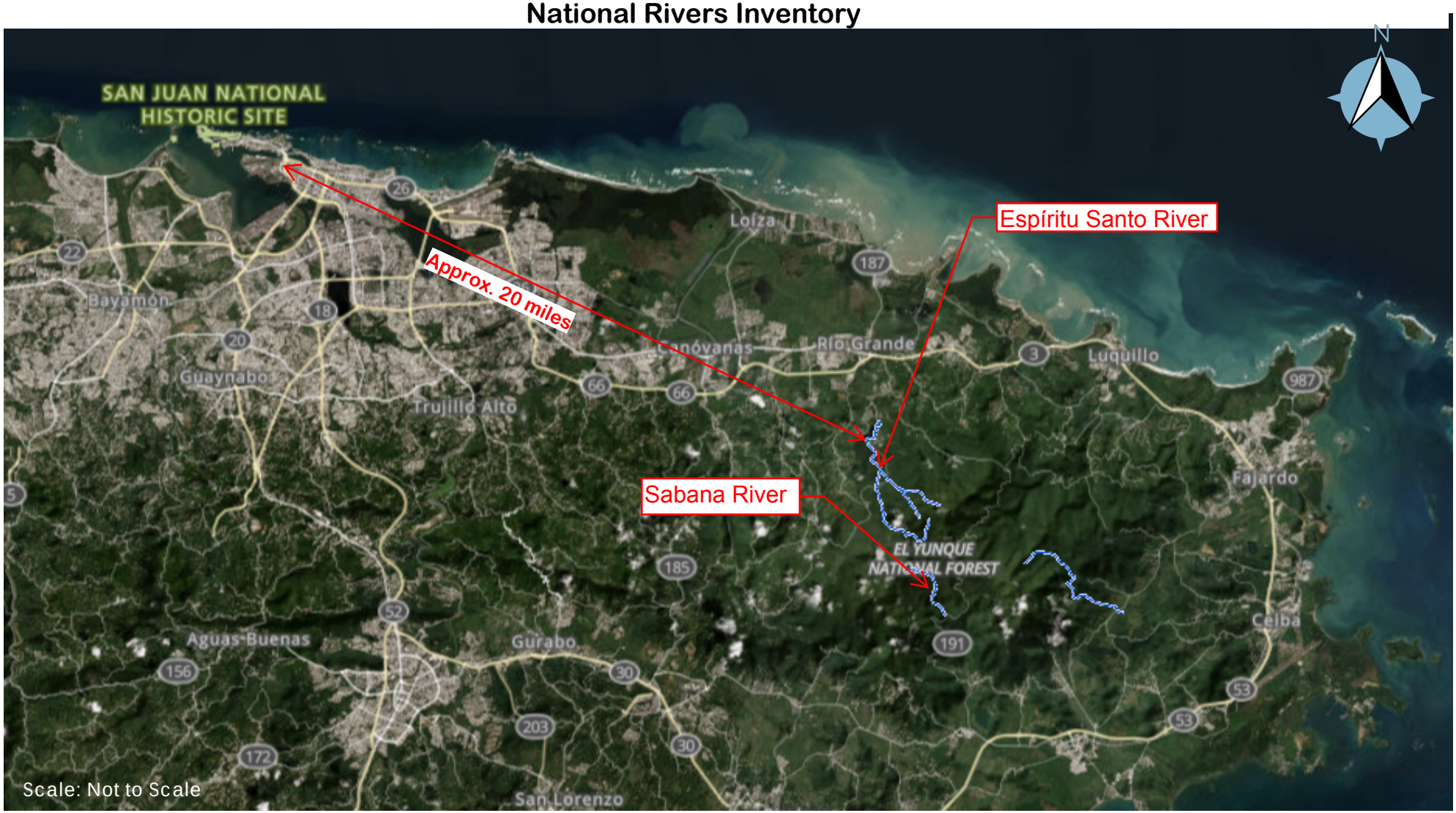


Source: https://www.rivers.gov/puerto-rico.php
April 13, 2022

Map 12

Hilton-Hampton-Homewood Hotel
Blvd. Baldorioty de Castro, Ave. Fernández Juncos
San Juan, PR 00907
18.455092, -66.087276

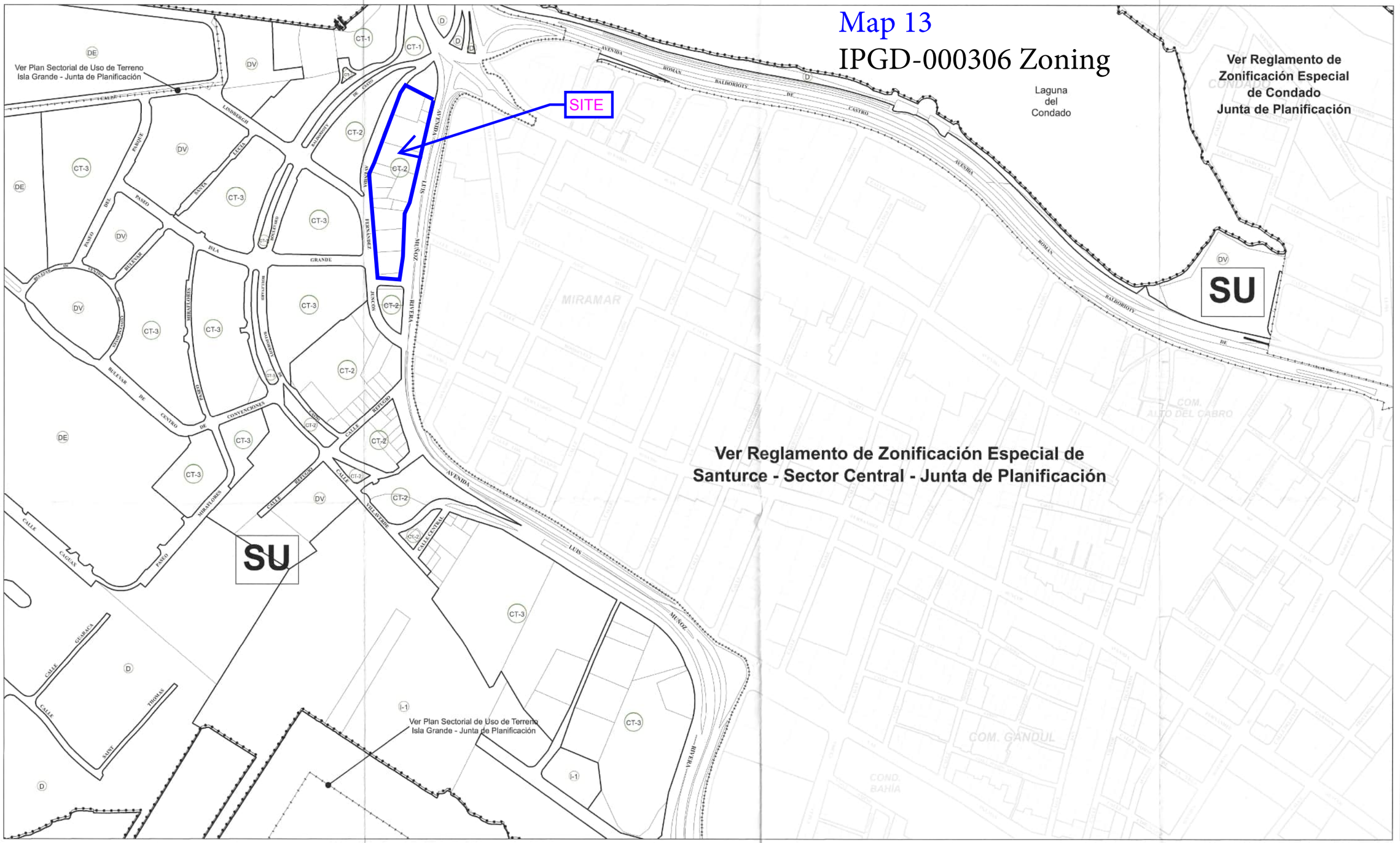
National Rivers Inventory



Source:
https://www.nps.gov/maps/full.html?mapId=8adbe798-0d7e-40fb-bd48-225513d64977

Map 13

IPGD-000306 Zoning



Leyenda

- Límite de Municipio
- Distrito de Calificación
- Distrito de Clasificación
- Distrito de Ordenación Especial Junta de Planificación

Distritos de Clasificación

- SU Suelo Urbano
- SRC Suelo Rústico Común
- SREP Suelo Rústico Especialmente Protegido

NÚMERO DE HOJA 3C

- CALIFICACIÓN
- CLASIFICACIÓN

DISTRITOS DE CALIFICACIÓN

DISTRITOS EN SUELO URBANO

DISTRITOS RESIDENCIALES

- R-0 BAJA DENSIDAD-SOLAR MIN. 8,000 m/c
- R-1 BAJA DENSIDAD-SOLAR MIN. 900 m/c
- R-2 BAJA DENSIDAD-SOLAR MIN. 450 m/c
- R-3 GENERAL-SOLAR MIN. 300 m/c
- R-4 GENERAL-SOLAR MIN. 250 m/c
- R-5 APARTAMENTOS (ALTA DENSIDAD EN SOLAR MIN. 400 m/c
- R-6 APARTAMENTOS (ZONA HISTÓRICA)
- RT-3 RESIDENCIAL TURÍSTICO (300 m/c)
- RT-4 RESIDENCIAL TURÍSTICO (250 m/c)
- RT-5 RESIDENCIAL TURÍSTICO (1,000 m/c)

DISTRITOS COMERCIALES

- CO-1 COMERCIAL DE OFICINA UNO
- CO-2 COMERCIAL DE OFICINA DOS
- C-L COMERCIAL LIVIANO
- C-1 COMERCIAL LOCAL
- C-2 COMERCIAL CENTRAL INTERMEDIO
- C-3 COMERCIAL CENTRAL
- C-4 CENTROS DE MERCADEO
- C-5 CENTROS DE RECREACIÓN COMERCIAL EXTENSA
- C-6 COMERCIAL DE SERVICIOS VECINALES

- CT-1 COMERCIAL TURÍSTICO (INTENSIDAD INTERMEDIA)
- CT-2 COMERCIAL TURÍSTICO (INTENSIDAD SEMI ALTA)
- CT-3 COMERCIAL TURÍSTICO (ALTA INTENSIDAD)

DISTRITOS INDUSTRIALES

- I-1 INDUSTRIAL (INDUSTRIAS LIVIANAS)
- IL-1 INDUSTRIAL (INDUSTRIAS LIVIANAS LIMITADAS)
- I-2 INDUSTRIAL (INDUSTRIAS PESADAS)
- IL-2 INDUSTRIAL (INDUSTRIAS PESADAS LIMITADAS)

DISTRITOS EN SUELO RÚSTICO

- SRP SUELO RÚSTICO POBLADO
- B-1 BOSQUES DE INTERIOR

DISTRITOS SOBREPUESTOS

- RC-1 RESIDENCIAL-COMERCIAL

DISTRITOS DOTACIONALES

- D TENENCIA PÚBLICA
- DV PLAZAS Y ÁREAS VERDES
- DD RECREACIÓN Y DEPORTE
- DE EQUIPAMIENTO
- DS SERVICIO PÚBLICO
- DA ADMINISTRACIÓN
- DT TRANSPORTACIÓN

DISTRITO TU (TREN URBANO)

DISTRITOS DE APLICACIÓN GENERAL

- CR-H CONSERVACIÓN/RESTAURACIÓN RECURSOS HISTÓRICOS
- CPN CONSERVACIÓN PATRIMONIO NATURAL

N ESCALA: 1:2,000

GOBIERNO DE PUERTO RICO
Junta de Planificación

Documento Adoptado en Reunión de Junta

Julio Lassús Ruiz, LLM, MP, PPL
Presidente

OCT 07 2021
Fecha

Mapa de Calificación de Suelo Municipio Autónomo de San Juan

0 75 150 300 450 600 Metros

CERTIFICACIÓN

Adoptado por la Junta de Planificación de Puerto Rico conforme a la Resolución JP-PT-18-20 el 7 de OCTUBRE de 2021.

Aida Torres Torres
Secretaria Interina
SEP 15 2022
Vigencia

2B	2C	
3B	3C	3D
4B	4C	4D

Appendix C

Government Agencies Endorsements

24 de marzo de 2023

Lic. Félix E. Rivera Torres
Secretario Auxiliar Interino
DEPARTAMENTO DE DESARROLLO ECONÓMICO Y COMERCIO
Oficina de Gerencia de Permisos
PO Box 41179
San Juan, Puerto Rico 00940-1179

RECOMENDACIÓN FAVORABLE

CASO OGPE: 2023-476833-SRA-066083
DESCRIPCIÓN: HILTON HWS & HI SAN JUAN CITY CENTER
MUNICIPIO: SAN JUAN
UBICACIÓN: DISTRITO DEL CENTRO DE CONVENCIONES DE PUERTO RICO
PARCELAS F Y G2
CATASTRO: 040-037-001-10
CALIFICACIÓN: CT-2
PROPIETARIO: PARCEL F HOTEL, LLC
PROPONENTE: V ARCHITECTURE, PSC

Estimados señores:

El Instituto de Cultura Puertorriqueña (**ICP**), por medio de su Programa de Patrimonio Histórico Edificado (**ICP-PPHE**), ha examinado el proyecto de referencia para determinar si afecta Propiedades de Valor Histórico y Arquitectónico que estén protegidas, o sean elegibles a serlo, bajo las leyes y reglamentos que nuestra agencia tiene responsabilidad de administrar, como agencia primaria, endosante o recomendante. Estas leyes y reglamentos incluyen, entre otros:

1. La ley 89 del 21 de junio de 1955 S.E., Ley Orgánica del Instituto de Cultura Puertorriqueña, en especial el inciso 4(a)(7), "Determinar que edificios o estructuras son de valor histórico o artístico en Puerto Rico. (…)" y el inciso 4(a)(8), "Asesorar a la Junta de Planificación en la reglamentación de construcción en aquellas zonas que determine como zonas de valor histórico. (…)".
2. La ley 89 del 21 de junio de 1955 S.E., Ley Orgánica del Instituto de Cultura Puertorriqueña, en su inciso 4(b)(3) según enmendado por la ley 119 del 26 de septiembre de 2005, que permite "adoptar, enmendar o derogar, por conducto de su Junta de Directores, las reglas que gobiernen

[el] funcionamiento y el descargo de los poderes" concedidos e impuestos al **ICP** por ley, y la imposición de multas administrativas y/u otras sanciones por su incumplimiento o violación.

a. Reglamento de Procedimientos Administrativos del Programa de Patrimonio Histórico Edificado del Instituto de Cultura Puertorriqueña registrado en el Departamento de Estado como Reglamento Núm. 7746 con vigencia del 3 de abril de 2009.
b. Resolución Núm. 2017-0014: Para declarar Lugar de Valor Histórico-Cultural: Patrimonio del Pueblo de Puerto Rico a la Isleta de San Juan.

3. Ley Núm. 161 de 1 de diciembre de 2009, S.E., Ley para la Reforma del Proceso de Permisos de Puerto rico, Artículo 1.5, inciso 31, el Instituto de Cultura Puertorriqueña es identificado como una de las agencias gubernamentales concernidas y con injerencia sobre el proceso de evaluación de solicitudes para el desarrollo y uso de terrenos, consultas, permisos, licencias, certificaciones, autorizaciones o cualquier trámite para la operación de negocios en Puerto Rico. Esta Ley establece claramente el requerimiento de autorización escrita previa del ICP para toda intervención y operación en las propiedades incluidas en el Registro de Sitios y Zonas Históricas de Puerto Rico, plazas de recreo y centros fundacionales (ver Reglamento Conjunto).

   A. Reglamento Conjunto para la Evaluación y Expedición de Permisos Relacionados al Desarrollo, Uso de Terrenos y Operaciones de Negocios (RC-2020); registrado en el Departamento de Estado de Puerto Rico bajo el Número 9233 con vigencia de 2 de enero de 2021. Tomo X: Conservación de Recursos Históricos
   B. Reglamento Conjunto para la Evaluación y Expedición de Permisos Relacionados al Desarrollo, Uso de Terrenos y Operaciones de Negocios (RC-2020); registrado en el Departamento de Estado de Puerto Rico bajo el Número 9233 con vigencia de 2 de enero de 2021. Tomos II, III, IV, VI, VII, IX (ver anejo 1 con identificación de Reglas correspondientes).

4. La Ley Núm. 183 de 21 de agosto de 2000, S.E., Ley Orgánica de la Oficina Estatal de Conservación Histórica, Artículo 7(b) y Artículo 8 (b), establece implícitamente el requerimiento de la recomendación favorable previa del ICP en permisos para proyectos que cuenten con fondos, permisos o asistencia de alguna agencia federal para realizar intervenciones que puedan impactar propiedades localizadas en el territorio de Puerto Rico que hayan sido incluidas en el Registro Nacional de Lugares Históricos en Washington o sean elegibles al mismo.[1]

[1] La OECH **asiste** a las agencias federales en el proceso de cumplimiento con el 54 USC 306108 (Sección 106 de la Ley de Preservación Histórica Nacional) y el 36 CFR Parte 800: Protección de Propiedades Históricas, pero esta consulta **no sustituye** los permisos ni las recomendaciones requeridos en Puerto Rico para intervenciones en propiedades históricas en virtud de la Ley 161-2009, según enmendada, Ley para la Reforma del Proceso de Permisos de Puerto Rico y la Ley 89-1955, según enmendada, Ley Orgánica del Instituto de Cultura Puertorriqueña.

5. Ley Núm. 60 de 1 de julio de 2019, S.E., Código de Incentivos de Puerto Rico, Capítulo 7 Infraestructura y Energía Verde, Sección 2071.01, Inciso 1: Se provee para que un negocio establecido, o que será establecido, en Puerto Rico por una Persona, organizado o no bajo un nombre común, pueda solicitarle al Secretario del DDEC la Concesión de Incentivos cuando la Entidad se establece en Puerto Rico para dedicarse a una de las siguientes actividades elegibles: Realizar obras de mejoras, restauración o reconstrucción de edificios existentes, u obras de reestructuración o nueva construcción en solares baldíos en las Zonas Históricas de Puerto Rico, y los alquileres de tales edificios localizados en tales zonas una vez hayan sido mejorados, restaurados, reconstruidos, restructurados o construidos, según sea el caso. Se requiere la Recomendación del ICP.
6. La exigencia de endoso o comentario del **ICP** aplicable a propiedades designadas de valor histórico y arquitectónico por otros medios, tales como:

    a. Resolución de la Asamblea Legislativa
    b. Monumentos Históricos designados por la Junta de Directores del **ICP**
    c. Propiedades designadas por un plan de ordenamiento territorial de un Municipio Autónomo y que esté en vigor, o por el Plan de Uso de Terrenos de Puerto Rico
    d. Ser declaradas históricas en un plan especial de zonificación.
    e. Otras propiedades referidas por cualquier componente del Sistema Unificado de Información (**SUI**), la Oficina de Permisos de un Municipio Autónomo con poder de otorgar permisos, la Junta de Planificación, el Programa de Arqueología y Etnohistoria del **ICP**, u otra agencia o entidad de gobierno con poder reglamentario.

7. Petición a solicitud voluntaria de un propietario o derechohabiente de una propiedad.

De acuerdo a nuestros expedientes y la información provista. las propiedades:

1. Ubicadas en Miramar, Santurce, **NO se localizan** en una zona histórica designada o en Centro Urbano según estos conceptos están definidos por el Tomo XII Glosario de la Junta de Planificación, parte III, definiciones Z-12, Z-13 y C-71 del Reglamento Conjunto 2020.
2. **Las propiedades NO se identifican como unas elegibles a ser nominadas como sitios históricos, tanto ante la Junta de Planificación como por legislación.**
3. Se propone la propuesta de desarrollo para un hotel de 255 habitaciones y un edificio de 400 estacionamientos.

En este marco de referencia, y conforme a los documentos sometidos, el ICP-PPHE emite su **RECOMENDACIÓN FAVORABLE** para las obras de construcción relacionadas a la propuesta previamente mencionada en las propiedades de referencia.

Esta comunicación no incluye los elementos a evaluarse conforme a la Ley 112-1988, Ley de Patrimonio Arqueológico Terrestre, lo cual debe hacerse mediante solicitud separada al Programa de Arqueología y Etnohistoria del ICP. Las evaluaciones ambos programas y el consejo son necesarias para concluir el proceso con esta agencia.

Sin nada más al particular, quedamos.

Héctor Balvanera Alfaro, BArch, MA
Director
Programa de Patrimonio Histórico Edificado

HBA/jcsl

Cc: Expediente caso
Arq. José C. Silvestre Lugo, Conservacionista IV, evaluador caso ICP-PPHE

Anejo:

1. Reglamento Conjunto para la Evaluación y Expedición de Permisos Relacionados al Desarrollo, Uso de Terrenos y Operaciones de Negocios (RC-2020); registrado en el Departamento de Estado de Puerto Rico bajo el Número 9233 con vigencia de 2 de enero de 2021. Tomo X: Conservación de Recursos Históricos

    a. Capítulo 10.2 Conservación de Sitios Históricos, Zonas Históricas y Centros Fundacionales,
        1. Regla 10.2.2 Requerimiento Expedición de Permisos y Recomendaciones en Sitios y Zonas Históricas, Sección 10.2.2.3, Sección 10.2.2.4, Sección 10.2.2.3 y Sección 10.2.2.4
        2. Regla 10.2.5 Normas Generales de Intervención
        3. Regla 10.2.7 Intervención en Espacios Públicos y Estacionamientos donde ubican Sitios y Zonas Históricas
        4. Regla 10.2.8 Obras en las Plazas, Plazuelas, Plazas de Recreo y en las Propiedades Circundantes a éstas, en Zonas Históricas Designadas o en Proceso de Designación
        5. Regla 10.2.9 Estacionamiento en Sitios y Zonas Históricas
        6. Regla 10.2.10 Rótulos, Cortinas y Toldos en Sitios y Zonas Históricas
        7. Regla 10.2.11 Conservación del Patrimonio Inmueble, Sección 10.2.11.5 Requerimiento de Recomendaciones o Certificaciones

2. Reglamento Conjunto para la Evaluación y Expedición de Permisos Relacionados al Desarrollo, Uso de Terrenos y Operaciones de Negocios (RC-2020); registrado en el Departamento de Estado de Puerto Rico bajo el Número 9233 con vigencia de 2 de enero de 2021. Tomos II, III, IV, VI, VII, IX

    a. Regla 2.1.8, Sección 2.1.8.7, Inciso "b": Todo proyecto público o privado que conlleve movimiento de terreno, excavación, extracción de corteza terrestre o construcción, reconstrucciones o canalizaciones deberá solicitar a la División o Unidad de Evaluación Ambiental (DECA) la recomendación del ICP sobre Arqueología y Conservación Histórica, ya sea a través de la OGPe, los Municipios Autónomos con Jerarquía 1 a la III o el Profesional Autorizado.
    b. Regla 2.2.8, Inciso c-10: Consultas de Ubicación a proyectos de mejoras públicas municipales en propiedades y estructuras que ubiquen en los centros fundacionales, dentro de Zonas Históricas o designadas como sitio histórico deberán contar con la recomendación del ICP, previo comienzo de la obra.
    c. Regla 2.3.1: El PA requerirá una Recomendación del ICP en todo aquel permiso único a otorgarse en las estructuras oficialmente designadas e incluidas en el Registro de Sitios y Zonas Históricas de la JP y en los centros fundacionales de los Municipios. Los permisos y determinaciones finales a un permiso de construcción y para la demolición, reparación, restauración o remodelación de una estructura con valor histórico requerirán de la recomendación del ICP.
    d. Regla 3.2.1 Permisos de Construcción, Sección 3.2.1.2, inciso "l": El proyecto que se encuentre en una zona histórica, centros urbanos tradicionales y yacimientos arqueológicos, la OGPe, Los Municipios Autónomos con jerarquías de la I a la III o los PA, requerirán la recomendación escrita del ICP antes de autorizar cualquier permiso de construcción, conforme a la Regla 10.2.11 de Conservación del Patrimonio Inmueble, en el Tomo X de este Reglamento Conjunto.
    e. Regla 3.2.2, inciso "b-6": Si el proyecto se encuentre en una zona histórica, centros urbanos tradicionales y yacimientos arqueológicos, la OGPe, los Municipios Autónomos con Jerarquía I a la III, o los PA, requerirán la recomendación escrita del ICP antes de autorizar la actividad de demolición. En caso de ser una propiedad histórica, estará conforme a lo establecido en este Reglamento Conjunto sobre Conservación de Sitios y Zonas Históricas, entiéndase Tomo X, o cualquier documento formal emitido por las Entidades Gubernamentales Concernidas cuando existe una situación de emergencia previamente decretada por el Gobierno de Puerto Rico o el Gobierno Federal.
    f. Regla 3.2.4 Obras Exentas de Permisos de Construcción
        1. Sección 3.2.4.1 Actividades que no se consideran obras de Construcción, inciso "c": Cuando la actividad se vaya a realizar en Sitios y Zonas Históricas así declaradas por la JP, el ICP o la Asamblea Legislativa, o en otras áreas especiales donde así se establezca mediante Reglamento o resolución, deberá obtener la autorización correspondiente del ICP, mediante una solicitud de recomendación de arqueología y conservación histórica ('SRA").
        2. Sección 3.2.4.2 Obras de Carácter Menor Exentas, inciso "b": Cuando la obra exenta se vaya a realizar en Sitios y Zonas Históricas así declaradas por la JP, el ICP o la Asamblea Legislativa, o en otras áreas especiales donde así se establezca mediante Reglamento o resolución, deberá obtener la autorización correspondiente del ICP, mediante una solicitud de recomendación de arqueología y conservación histórica ('SRA").
    g. Regla 3.5.9 Permiso Formal para la Extracción, Excavación, Remoción y Dragado de los Componentes de la Corteza Terrestre, Sección 3.5.9.4, inciso "u": Recomendación del ICP para el área donde se propone la extracción, cuando la misma haya sido predeterminada por ICP o la Asamblea Legislativa como zona de valor histórico o arqueológico.
    h. Regla 3.7.1 Permiso Único, Sección 3.7.1.7, inciso "g": Se requerirá la recomendación del ICP en Sitios y Zonas históricas antes de expedir este tipo de permiso para actividades cuya duración exceda de treinta (30) días.
    i. Regla 4.4.1.2 Licencias Traficantes al Detalle de Bebidas Alcohólicas, Sección 4.4.1.2, inciso "c": Recomendación del ICP en los casos en que la propiedad ubique en una zona histórica

j. Regla 6.1.27 Distrito S-H: Sitio Histórico, Sección 6.6.27.2 (ver Tabla 6.85 – Usos permitidos en Distrito S-H) y Sección 6.1.27.4 (ver Tabla 6.86 – Parámetros de Diseño Distrito S-H).
k. Regla 6.1.28 Distrito C-H: Conservación Histórica, Sección 6.1.28.2 (ver Tabla 6.87 – Usos permitidos en Distrito C-H) y Sección 6.1.28.4 (ver Tabla 6.88- Parámetros de Diseño Distrito C-H).
l. Regla 7.3.6 Centro Urbano (CU), Sección 7.3.6.1, Inciso "d": Toda intervención en los centros urbanos delimitados se hará en conformidad con el Plan de Ordenación Territorial, Plan de área del Centro Urbano Tradicional o Plan de Rehabilitación del Centro Urbano, cumpliendo con las disposiciones de la Regla 10.2.11 en el Tomo X de este Reglamento Conjunto.
m. Capítulo 9.1 Obras Eléctricas, Sección 9.1.2.2 inciso "k": Los permisos y autorizaciones en Sitios y Zonas Históricas, Plazas de recreo y bloques circundantes, entiéndase centros fundacionales de los pueblos requerirán de la recomendación del ICP.
n. Capítulo 9.6 Obras de Acueductos y Alcantarillados, Sección 9.6.2.2, Inciso "l": Los permisos y Autorizaciones en Sitios y Zonas Históricas, plazas de recreo y bloques circundantes, entiéndase centros fundacionales de los pueblos requerirán de la recomendación del ICP.
o. Capítulo 9.8 Sistemas Individuales de Disposición de Desperdicios Domésticos (SIDDD), Sección 9.8.3.1, inciso "d".
p. Capítulo 9.11 Proyectos de Construcción, Instalación y Ubicación de Torres e Instalaciones de Telecomunicaciones, Sección 9.11.6.3, inciso "e" Zonas Históricas y Centros Fundacionales.

MGV

miércoles, 22 de marzo de 2023

Sr. Pedro Ramos Vélez
Gerente División Infraestructura
PO Box 41118
Santurce, PR 00940

Estimado señor Ramos:

OGPe :	2023-476833-SRI-066866
LUMA:	22-1-0966
Carga :	1,000 kVA
Proyecto :	Hilton HWS & HI San Juan City Center
Dirección:	Distrito de convenciones
Municipio:	San Juan, P.R

LUMA cómo agente operador del Sistema de Transmisión y Distribución eléctrica de la Autoridad de Energía Eléctrica (AEE) le presenta sus comentarios con relación al proyecto de referencia para Servicio Nuevo Comercial

El diseñador deberá leer y entender este informe; de haber dudas relacionadas al mismo, debe aclararlas con el Ingeniero Supervisor de la Región de San Juan antes de radicar el plano para endoso. En adición, debe analizar y estudiar este informe e incluir y conformar parte del plano las notas pertinentes que se especifican como “Incluir nota al efecto en los planos de diseño”.

Incluimos nuestra evaluación del Proyecto y representación gráfica con información sobre facilidades eléctricas relacionadas al mismo:

1. El Proyecto está localizado en:
   Número de Catastro: 040-037-001-10
   Centroide del proyecto:
   Coordenadas proyección en metros +Este +Norte (236096.38, 268755.54).
   Coordenadas Geográficas Latitud y Longitud (18.45415, -66.09159)

2. El Punto de Conexión está localizado en:
   Coordenadas proyección en metros +Este +Norte (236526.14, 268802.28).
   Coordenadas Geográficas Latitud y Longitud (18.45464, -66.08754).
   LUMA/PREPA FID 1000251836

3. El Proyecto se conectará al Punto de Conexión #10 (MH-46) indicado en el plano que se incluye.

4. El Punto de Conexión #10 indicado en el croquis se denomina como “Punto de Entrega”. No se transferirá a LUMA la infraestructura eléctrica desde ese punto. El servicio que se deriva del mismo es considerado como exclusivo y privado, por lo que el mantenimiento, reparación y reemplazo del sistema es responsabilidad del Dueño.

5. Deberá presentar plano de diseño para endoso y la Certificación de Planos de Construcción Eléctrica para la distribución eléctrica correspondiente, acompañados por la Estampilla Digital Especial, y firmados digitalmente. Estos deberán ser radicados mediante el Portal Único de Negocios (SBP por sus siglas en inglés) de la Oficina de Gerencia de Permisos (OGPe). (Ver Comunicado Técnico 18-01 y 17-01); y deberán cumplir con los siguientes reglamentos, directrices, comunicados e información técnica específica que se presenta a continuación:

a. Asegurarse que el diseño propuesto cumpla con el "Reglamento conjunto para la evaluación y expedición de permisos relacionados al desarrollo, uso de terrenos y operación de negocios" del 7 de junio de 2019, los NUEVOS patrones de Construcción de LUMA y los siguientes Comunicados Técnicos AEE:
    i. 07-02 "Pruebas a cables soterrados nuevos y sus accesorios en proyectos privados" del 29 de junio de 2007.
    ii. 12-01: Política Pública para la Construcción de Sistemas Eléctricos.
    iii. Los Criterios de Diseño para Sistemas Eléctricos Aéreos de Transmisión y Distribución deben ser tomando en consideración una velocidad probable de viento de 160 mph.
    iv. 13-03: Bases de Hormigón para Postes de Líneas Eléctricas.
    v. 14-03: Equipos con Aislación en Goma de Silicón.
    vi. 15-02: Postes para Sistemas de Distribución Eléctrica Primaria.
    vii. 15-03: Revisión de Parámetros para Transformadores según Reglamentación del Departamento de Energía Federal (DOE).

b. Los sistemas de alumbrado a construirse deberán cumplir con los siguientes Comunicados de la AEE:
    i. 07-01: Sistemas de Alumbrado.
    ii. 16-03: Proyectos de Construcción con Sistemas de Alumbrado Público; esta consulta la podrá realizar a través del correo electrónico: energia@ddec.pr.gov
    iii. 16-04: Instalación de Luminarias Tipo Diodo Emisor de Luz (LED).

c. En el sector existen líneas eléctricas soterradas trifásica con 3 conductores calibre número 750 CU XLP 15 KV a un voltaje de13.20 kV.

d. El voltaje de alimentación para el Proyecto será de 13.20 kV. Se servirá del alimentador 1120-10.

e. El diseño deberá ser un sistema soterrado.

f. Será responsabilidad del diseñador del Proyecto indicar la localización exacta de este, ilustrar las líneas eléctricas existentes y de ser necesario, coordinar la reubicación de líneas eléctricas.

g. Deberá incluir en los planos de diseño las coordenadas Lambert correspondientes a la ubicación del Proyecto, en versión del North American Datum (NAD 83) y la unidad de medidas en metros [Refiérase al inciso 1 de este informe]; estas coordenadas deberán aparecer impresas en el plano de localización a ser radicado para revisión y eventual endoso, en una escala de 1:10,000 o 1:20,000. Incluir planos en formato .DWG o .DXF, **el mismo deberá estar georreferenciado**.

h. Serán requisitos en conjunto con la radicación de los planos la carta explicativa del Proyecto, cómputos de carga, tensión y flecha para los sistemas aéreos, y cómputos de caída de voltaje para diseños de sistema soterrados.

i. Deberá someter una proyección del itinerario de cargas del proyecto con el mes y año que deberán conectarse al sistema eléctrico de LUMA en caso de que el proyecto sea por etapas.

j. Se requiere incluir como parte del diseño la instalación de disyuntores con protección de fusibles a la entrada del proyecto en el Punto de Conexión. Incluir el detalle y nota al efecto en los planos de diseño.

k. Si este Proyecto contempla instalar una subestación en la azotea del edificio u otro nivel sobre alguna estructura distinta al suelo, deberá someter una certificación estructural del edificio o estructura donde indique que éste puede sostener dicha subestación. Para más detalles refiérase al Reglamento Complementario al Código Eléctrico Nacional en su Sección IX, Artículo B, inciso 1-t.

l. Para todo servicio de uso exclusivo o lotificaciones, el dueño del proyecto proveerá todos los materiales necesarios, incluyendo el transformador. Incluir nota al efecto en los planos de diseño.

m. A menos de una milla de distancia de la costa tanto los equipos como los materiales deberán ser en acero inoxidable, y el conductor a utilizar será ACAR (Aluminum Conductor Alloy Reinforced), AAAC (All Aluminum Alloy Conductor) o su equivalente en cobre. Incluir nota al efecto en los planos de diseño.

n. Esta evaluación del Punto de Conexión no constituye una revisión del plano de diseño. El diseñador es responsable de cumplir con los códigos, reglamentos, manuales, estándares y normas aplicables vigentes para los sistemas eléctricos en Puerto Rico. Además, deberá cumplir con los reglamentos de ordenación de la infraestructura en el espacio público (Reglamento de Planificación Número 22), según exige la Oficina de Gerencia de Permisos (OGPe). Los sistemas de distribución y transmisión a desarrollarse en estas zonas deberán seguir las guías establecidas por este reglamento. Incluir nota al efecto en los planos de diseño.

o. El dueño del proyecto o su representante deberá notificarle a la Oficina de Ingeniería de Distribución de la Región San Juan, InspeccionesSanJuan@lumapr.com, el comienzo de la obra posterior al endoso de los planos y previo al inicio de los trabajos eléctricos del proyecto para la requerida inspección, aprobación y coordinación necesaria. Incluir nota al efecto en los planos de diseño.

6. En todo proyecto que requiera la instalación de medición secundaria o primaria para uno o más servicios con tarifa al por mayor, el diseñador del sistema eléctrico deberá coordinar con el Director de Mediciones por medio del correo electrónico consulta.mediciones@lumapr.com , los equipos que utilizará y la ubicación de este. LUMA seleccionará el tipo de metro contador a ser instalado en este proyecto de acuerdo con el servicio solicitado y a su disponibilidad en los almacenes. Incluir nota al efecto en los planos de diseño.

   Además, deberá incluir una nota en los planos de diseño que indique lo siguiente: "**Este proyecto requiere contrato de cuentas al por mayor, el cual es requisito que se firme previo a la energización del proyecto. El tipo de medición, los equipos a utilizarse y la ubicación del equipo de medición fue coordinada con Director de Mediciones."**

7. Para servir el Proyecto, el proponente será responsable de lo siguiente. Incluir notas al efecto en los planos de diseño:

   a. Aportará la cantidad de $ 22,000.00 para realizar mejoras al sistema eléctrico. Dicha Aportación está basada en los 1,000 kVA de transformación que serán añadidos al sistema. **El pago será mediante efectivo, tarjeta de crédito, cheque certificado o giro en cualquier Oficina de Experiencia al Cliente de LUMA. La Oficina de Experiencia al Cliente acreditará el pago a la cuenta de Ayuda a la Construcción CIG – 419.06. Deberá enviar a la Oficina de Ingeniería de Distribución correspondiente, al correo electrónico ingenieria.distribucionSanJuan@lumapr.com la evidencia de pago.**

   b. Extender el alimentador primario soterrado con aislamiento 15 kV, requerido desde el Punto de Conexión hasta el proyecto. Deberá identificar el "Punto de Entrega" en los planos de diseño, según el Reglamento Complementario al Código Eléctrico Nacional y el Reglamento de Términos y Condiciones Generales para el Suministro de Energía Eléctrica.

   c. **El Dueño del Proyecto deberá confirmar con el Gerente de Distrito Técnico correspondiente el voltaje primario a ser utilizado, previo a la compra de los transformadores.**

   d. Deberá proveer un Three phases, solid dielectric, submersible, multi way, modular switchgear. 15 KV, 600 A, 12.5 KA, 3 ways (2-load-break switches and 1 fault interrupter switch) Equal or similar to: Elastimold - multy-way switchgear - Model: MS3132T1P66XXXFXE.

   e. Será responsable de construir las facilidades eléctricas entiéndase base de contador y otros. Debe cumplir con el Reglamento Complementario al Código Eléctrico nacional, Sección IV. Articulo B, C y D en su totalidad, "toma de Servicio Aérea" y Toma de Servicio Soterrada"

   f. Obtener y gestionar todos los endosos de las agencias reguladoras pertinentes tales como:

      i. Departamento de Recursos Naturales y Ambientales (DRNA) - Declaración de Impacto Ambiental (DIA),

ii. Instituto de Cultura Puertorriqueña - División de Permisos Arqueológicos,
iii. Cuerpo de Ingenieros de Estados Unidos,
iv. Departamento de Transportación y Obras Públicas Estatal o Municipal,
v. Junta de Planificación,
vi. Oficina de Gerencia y Permisos (OGPe),
vii. Otras agencias gubernamentales, federales y privadas requeridos para el desarrollo del proyecto.

8. Para servir el Proyecto, LUMA realizará los siguientes trabajos con cargos al dueño. Incluir notas al efecto en los planos de diseño:
    a. Realizará todos los trabajos en el punto de conexión y donde estén las líneas energizadas. Materiales que se requieran en el punto de conexión, serán provistos por el dueño del proyecto.
    b. Una vez endosado el plano de diseño, para conocer el costo por concepto de los trabajos a ser realizados por LUMA especificados en este informe, LUMA (Departamento de Ingeniería de Distribución) le estará emitiendo al proponente un estimado preliminar para propósito informativo; **este no será para propósito de pago**. En su momento, en la reunión de pre-construcción deberá formalizar la solicitud del estimado oficial. Una vez recibido el estimado oficial podrá realizar el pago de la cotización y notificar a este Departamento de Ingeniería de Distribución con tres meses de anticipación de los trabajos estimados para el proyecto y dentro de la vigencia de la cotización (90 días).
9. El Proyecto debe cumplir con el Reglamento Complementario al Código Eléctrico Nacional, Sección IV. Artículo C y D en su totalidad, “Toma de Servicio Aérea” y “Toma de Servicio Soterrada”.

    Se permitirá como punto de entrega una columna de hormigón conteniendo el contador (véase Manual de Normas de Distribución Urbana). La columna estará ubicada dentro del terreno del solicitante en la colindancia frontal (*no mayor de 3 pies*) y podrá formar parte de la verja si ésta cumple con las disposiciones del Manual de Normas de Distribución Urbana. El frente del contador deberá quedar en dirección a la calle. La columna deberá cumplir con los despejos mínimos requeridos por el Código Eléctrico Nacional de Seguridad.

    Para tomas aéreas, la toma no excederá de un largo de cincuenta (50) pies desde el poste al soporte de la Columna.

10. **Este proyecto es uno relativo a lotificación o segregación, por tanto, la evaluación de planos de diseño para propósito de endoso está sujeto a que el cliente someta evidencia de la consolidación de los lotes.**
11. Incluimos como parte de esta evaluación, un croquis con información gráfica sobre facilidades eléctricas.
12. Cualquier duda sobre esta evaluación y su contenido, puede comunicarse a nuestra oficina al correo electrónico ingenieria.distribucionSanJuan@lumapr.com y al número telefónico (787) 521-6443.
13. Esta evaluación caduca al año (1 año) de la fecha de emisión y cancela y sustituye cualquier otra realizada previamente.

Cordialmente,

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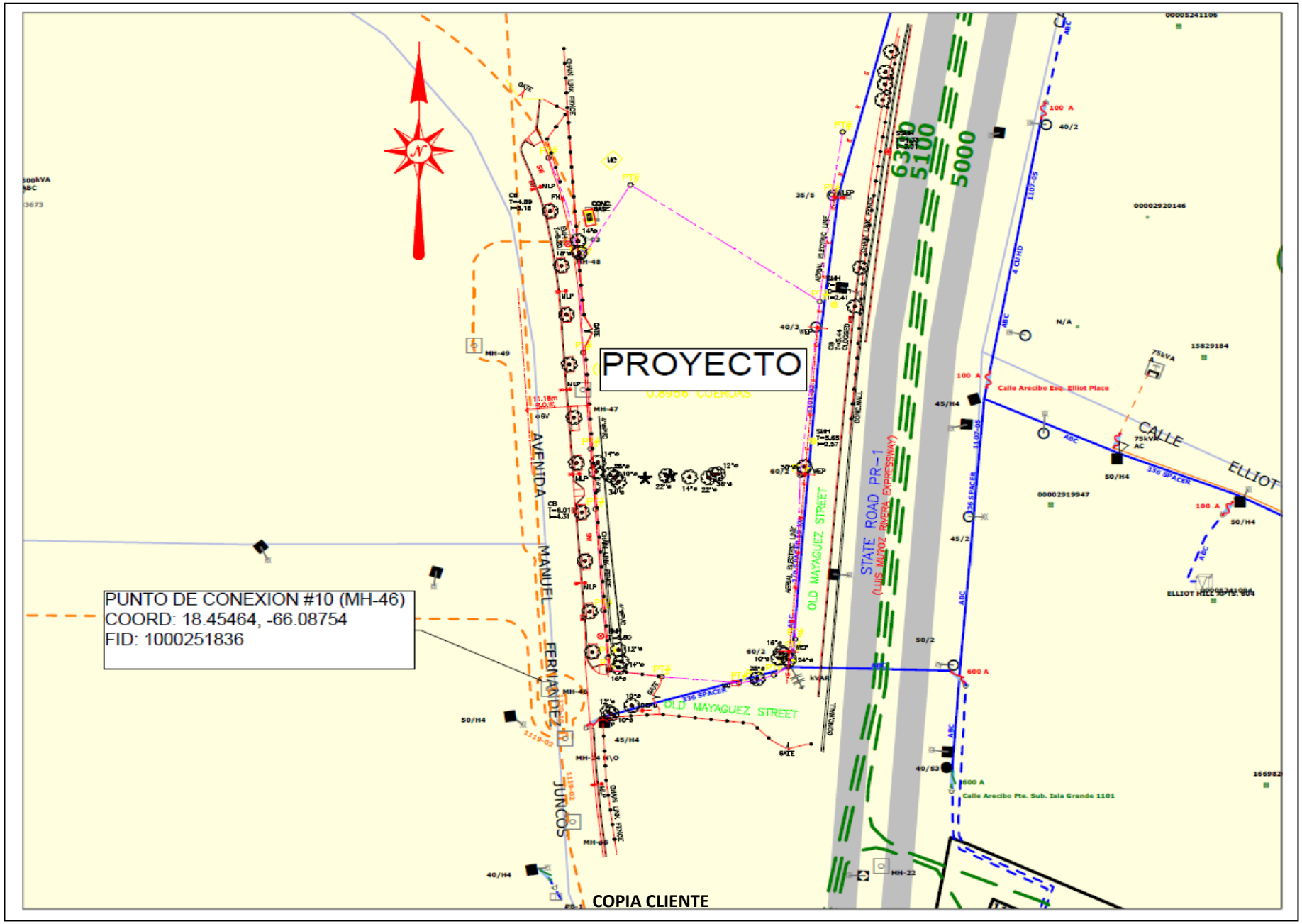
Ing. Vanessa Rivera Guilloty
Ingeniera de Proyectos
Ingeniería de Distribución Región San Juan



Hilton HWS & HI San Juan City Center

Distrito de convenciones San Juan, P.R

LUMA #: 22-1-0966

Carga : 1,000 kVA

Región San Juan
Ingeniería de Distribución
Por: Carlos N Velez

.GOBIERNO DE PUERTO RICO
OFCINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

IN RE:	*	*R-99-31-2*
	*	
COMPAÑIA DE TURISMO	*	*SOBRE: DIA-JCA-99-0018(CT)*
	*	*PROYECTO NUEVO DISTRITO*
	*	*DEL CENTRO DE CONVENCIONES*
Agencia Proponente	*	*DE PUERTO RICO*
	*	

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RESOLUCION Y NOTIFICACION

En reunión celebrada el 31 de agosto de 1999 se sometió ante la consideración de la Junta de Gobierno de la Junta de Calidad Ambiental el análisis de la Declaración de Impacto Ambiental Final sometida para la acción descrita en el epígrafe, en cumplimiento con el Artículo 4-C de la Ley Sobre Política Pública Ambiental, Ley Número 9 del 18 de junio de 1970, según enmendada.

Luego de discutidos todos los méritos de esta Declaración de Impacto Ambiental Final y al amparo de los poderes y facultades que le confiere a esta Junta de Calidad Ambiental la Ley Número 9 del 18 de junio de 1970, Ley Sobre Política Pública Ambiental, según enmendada por la presente esta Junta RESUELVE:

Que la Declaración de Impacto Ambiental Final sometida por la agencia proponente para el presente proyecto cumple con todos los requisitos de ley y reglamento, y en específico, con los requerimientos hechos en la Resolución R-99-7, a la luz de las recomendaciones esbozadas en el Informe del Panel Examinador.

Por tanto, resolvemos que la agencia proponente, Compañía de Turismo, ha dado cumplimiento con el Artículo 4-C de la Ley Sobre Política Pública Ambiental y con el Reglamento sobre Declaraciones de Impacto Amnbiental de la Junta de Calidad Ambiental, dando así por terminado el proceso de evaluación del documento ambiental de referencia.

Por otro lado, con el propósito de una mejor realización de la acción propuesta en su etapa posterior de operación y/o construcción se emiten las siguientes recomendaciones:

1. Cumplir con las recomendaciones y requisitos emitidos por las agencias consultadas.

2. Previo a dar comienzo a la construcción o efectuar algún movimiento de tierra, deben obtener de esta Junta los siguientes permisos:

a. Permiso Fuente de Emisión (PFE) para el polvo fugitivo durante la fase de construcción.

b. Para realizar una Actividad Generante de Desperdicios Sólidos (Formulario DS-3).

c. Permiso para el Control de la Erosión y Prevención de la Sedimentación.

3. Si durante el desarrollo de las diferentes fases del proyecto se encuentran depósitos arqueológicos, los mismos deberán ser informados inmediatamente al Instituto de Cultura Puertorriqueña y a la Oficina de Preservación Histórica Estatal (SHPO, por sus siglas en inglés).

4. Deberá cumplir con el plan de mitigación aprobado por Departamento de Recursos Naturales y Ambientales (DRNA), en cumplimiento con el Reglamento de Siembra, Corte y Forestación.

5. De instalarse sistemas de generación de energía eléctrica de emergencia para suplir el proyecto en casos donde la energía eléctrica falte deberá:

   a. Obtener un Permiso Fuente de Emisión (PFE) para la instalación y operación de la planta eléctrica de emergencia.

   b. Presentar un Plan de Emergencia ante el Area de Calidad de Agua, reflejando la acción a tomar para evitar, controlar y remediar derrames de combustible producto del tanque para almacenaje de combustible que será instalado sobre tierra en las inmediaciones del proyecto.

6. Si durante la construcción u operación de la facilidad, existen actividades que generen o almacenen aceites usados, deben realizarse en cumplimiento con la nueva Ley 172, Ley para el Manejo de Aceites Usados en Puerto Rico. Además, si almacenan aceite en cantidades mayores de 55 galones, deberá registrarse como generador de dicho desperdicio en la Junta de Calidad Ambiental y someter una solicitud de Permiso para operar Centros de Recolección de Aceite Usado (Formulario DS-2).

7. De tener alguna descarga de escorrentía a cualquier cuerpo de agua durante la construcción, deberán consultar con la Agencia Federal de Protección Ambiental para determinar si dicha descarga requiere un permiso "NPDES" de acuerdo al Código Federal de Reglamentación Número 40, Sección 122.26 (b) (14) (x).

8. El almacenaje, manejo y disposición de los desperdicios sólidos a generarse durante la fase de construcción y operación del proyecto, debe realizarse en conformidad con la reglamentación vigente.

9. Previo al inicio de la construcción deberá realizar la coordinación correspondiente con la Compañía de Aguas de Puerto Rico para la conexión del proyecto propuesto de manera que la planta de tratamiento de aguas usadas a la cual planean conectarse, las líneas y troncales estén en condiciones de aceptar la descarga de las aguas usadas a ser generadas durante la fase operacional del proyecto. Esto incluye obtener todos los permisos necesarios de dicha agencia, previo a su conexión.

10. El proponente deberá evitar generar olores objetables que puedan afectar la atmósfera comunal.

11. Durante la fase de construcción, deberán tomar las medidas necesarias para evitar que residuos de sustancias orgánicas e inorgánicas tales como: aceites, combustibles u otras sustancias químicas, puedan ser arrastradas por la escorrentía y ganen acceso a cualquier cuerpo de agua o al sistema pluvial.

12. Deberán obtener un permiso del Cuerpo de Ingenieros del Departamento del Ejército de los Estados Unidos, conforme a la Ley de Rios y Puertos del 1899 y la Sección 404 de la Ley Agua Limpia **(Clean Water Act)**.

13. En el caso del establecimiento de cualquier tanque provisional o permanente para almacenar hidrocarburos, deberán consultar con la División de Permisos e Ingeniería del Area de Calidad de Agua de esta Junta si fuera sobre bases de hormigón, con el Programa de Control de la Inyección Subterránea si fuera sobre el terreno o con el Programa para el Control de Tanques Soterrados si fuera soterrado.

14. Debido a que el mantenimiento de las áreas verdes estará sujeto al uso de fertilizantes y plaguicidas, se recomienda desarrollar un Plan de Mejores Prácticas de Manejo para el uso de estos, y así evitar o minimizar el posible impacto al ambiente y a los recursos de agua superficiales y subterráneos.

15. La reglamentación vigente no permite el disponer los desperdicios de pinturas, grasas, aceites o compuesto químicos, como disolventes, detergentes, ni combustibles en el sistema de disposición de las aguas usadas o por el alcantarillados pluvial, por lo que deberán proveer al proyecto de un receptáculo adecuado para el recogido de éstos.

16. De tener alguna descarga de contaminantes incluyendo aguas de lavado entre otros a algún cuerpo de agua deberán consultar con la Agencia Federal de Protección Ambiental (EPA por sus siglas en inglés) para determinar si se requiere la obtención de un Permiso Federal de Descarga "NPDES".

17. Si se instalan tanques de almacenaje de combustible gaseoso con capacidad mayor de 500 galones, deberán obtener un Permiso Fuente de Emisión.

18. Durante las fases de construcción y operación del proyecto, se debe cumplir con el Reglamento para el Control de la Contaminación por Ruido, en lo relacionado al nivel de sonido máximo permitido.

19. Respecto a los materiales que se puedan generar, durante la construcción y operación, deberá consultar a la Autoridad para el Manejo de los Desperdicios Sólidos con el fin de orientarse sobre alternativas existentes para el manejo y reciclaje de éstos.

20. Cualquier cambio al proyecto propuesto, deberá ser evaluado y radicado ante esta Junta como una enmienda a este documento ambiental.

Se apercibe a las partes del epígrafe que la parte afectada por esta Resolución podrá acudir al Tribunal de Circuito de Apelaciones en treinta (30) días para revisión judicial o podrán radicar una Moción de Reconsideración de esta Resolución en un término de veinte (20) días desde la fecha del archivo en autos. El solicitante deberá enviar copia de tal escrito por correo certificado y acuse de recibo a todas las partes que hayan

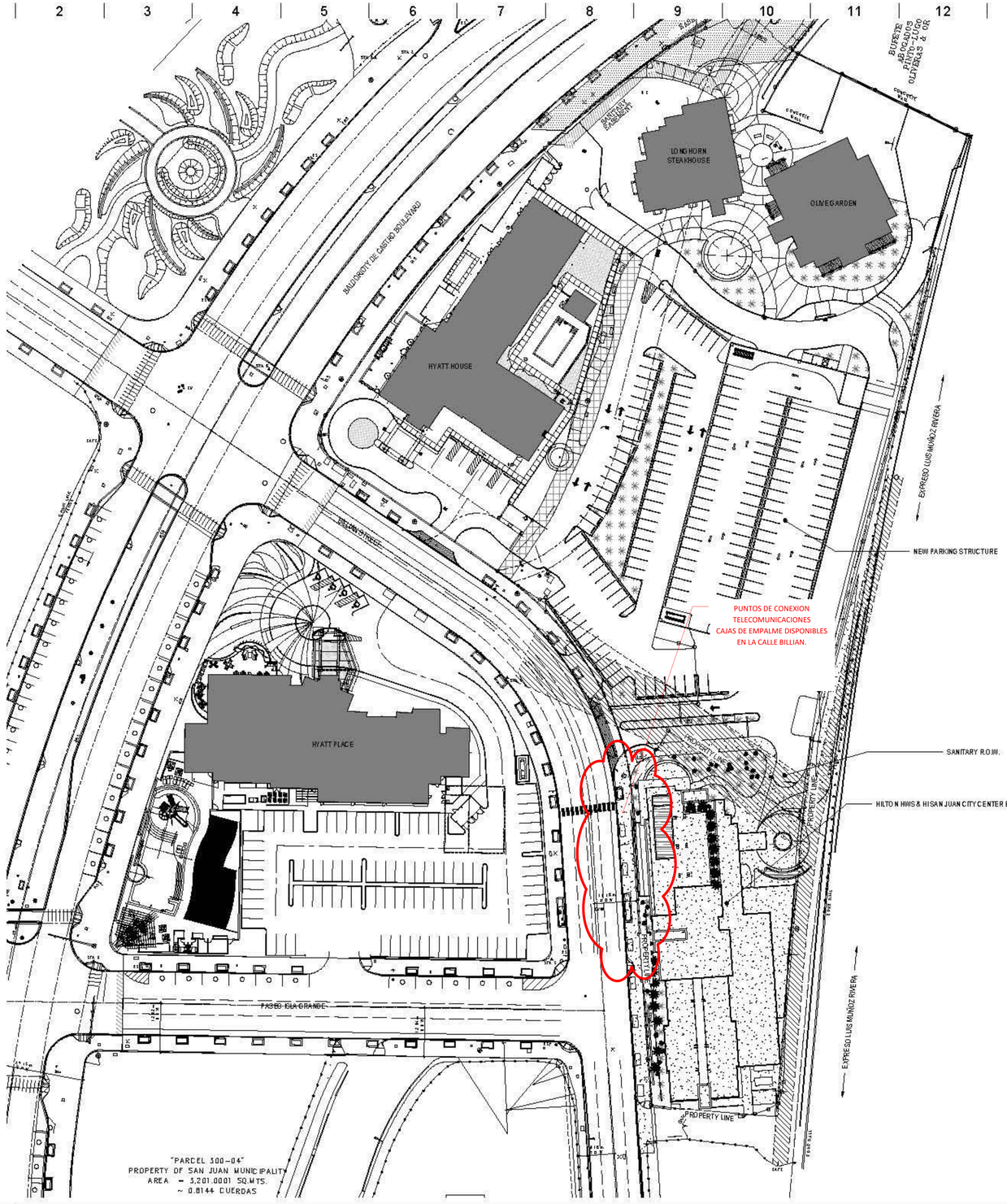
intervenido en los procedemientos. Estos últimos tendrán diez (10) días naturales contados a partir de la notificación para expresarse sobre la solicitud de reconsideración. Si no lo hicieran dentro del término establecido, se entenderá que renuncian a su derecho de réplica.

La Junta dentro de los quince (15) días, de haberse presentado dicha moción deberá considerarla. Si la rechazare de plano o no actuare dentro de los quince (15) días, el término para instar Recurso de Apelación comenzará a correr nuevamente desde que se notifique dicha denegatoria o desde que expiren esos quince (15) días, según sea el caso. Si se tomare alguna determinación en su consideración, el término para instar Recurso de Apelación empezará a contarse desde la fecha de la notificación de la Resolución de la Junta resolviendo definitivamente la moción cuya Resolción deberá ser emitida y archivada en autos dentro de los noventa (90) días subsiguientes a la radicación de la moción. Si la Junta dejare de tomar alguna acción en relación con la Moción de Reconsideración dentro de los noventa (90) días de haber sido radicada una moción acogida para estudio, el término para instar Recurso de Apelación comenzará a contarse a partir de la expiración de dicho término de noventa (90)
días, salvo que el Tribunal, por justa causa, autorice a la Junta una prórroga para resolver por un tiempo razonable.

NOTIFIQUESE A: Ing. Jorge Dávila, Director Ejecutivo Compañía de Turismo, P.O. Box 902-3960 Old San Juan Station, San Juan, Puerto Rico 008902-3960; a todos los deponentes con dirección postal en el expediente; y personalmente a los siguientes funcionarios de la Junta de Calidad Ambiental: Ing. Luis Rubén Rodríguez, Vicepresidente; Agro. Maribelle Marrero, Miembro Asociado; Lcda. Jeniffer Mayo, Asesora Legal; Lcdo. Davir Bernier, Director Oficina de Servicios Legales; y a la Sra. Lucinia Ghigliotty, Directora Area de Asesoramiento Científico.

DADA en San Juan, Puerto Rico, a 31 de agosto de 1999.

HECTOR RUSSE MARTINEZ
Presidente



PUNTOS DE CONEXION
TELECOMUNICACIONES
CAJAS DE EMPALME DISPONIBLES
EN LA CALLE BILLIAN.

PROVEEDORES DE SERVICIO

Ing. Esdras Ríos Vélez, Gerente de Ingeniería y Construcción de Accesos, Claro, esdras.rios@claropr.com, PO Box 360998, San Juan, P.R. 00936-0998, 787-749-2316;

Sr. Juan E. Orellana, B2B & Network Upgrade Construction Snr. Mgr., Liberty Communications of PR, juan.orellana@libertypr.com, 996 San Roberto Street, Reparto Loyola, San Juan, PR 00927, (M) 787-444-2071;

Ing. José Luis Torres, Technical Mgr. Metro & Island, Prepanet; jl-torres@prepanetworks.net o jl-torres@hub.pr, PO Box 195600, San Juan, PR 00919, (M) 787-944-3246;

Ing. Moisés Santana, Gerente de Planificación e Ingeniería, WorldNet, msantana@worldnetpr.com, engineering@worldnetpr.com, Centro Internacional de Mercadeo 90, Carr. 165, Suite 201, Guaynabo, P.R. 00968-8059, (M) 787-706-2600 o (T) 787-277-0210;

Ing. Alexis Ortiz, Gerente General, Critical Hub Networks, aortiz@criticalhub.com, PO Box 11278, San Juan, PR 00910, (T) 787-728-9000, (F) 787-728-9777;

Sr. Iván Rivera Beltrán, CEO, Osnet Wireless Corp., irivera@osnetpr.com, PO Box 819, Humacao, PR 00792-0819, (T) 787-655-1919 o (M) 787-644-4243

Incluir en el Plano las Notas Generales y Detalles del Diseño según las *Guias Técnicas para Endosos de Planos de Infraestructura de Telecomunicaciones por Cable*

NETPR-2023-RI-0005

N

50 0 50 100

SCALE: 1" = 50' - 0"

A,1

ARCHITECTURAL SITE PLAN

SCALE: 1" = 50'-0"

V ARCHITECTURE
1701 PONCE DE LEON
SUITE 205
SAN JUAN, PR 00909-1986
787-641-3900
VARCHITECTURE.COM

CONSULTANT

OWNER

PRISA GROUP

PROJECT TITLE

HILTON HWS & HI SAN JUAN
CITY CENTER

PROJECT ADDRESS

Baldorioty de Castro Boulevard,
Fernandez Juncos Avenue & Billian Street,
Miramar Ward,
San Juan, Puerto Rico

No.	REVISIONS/ SUBMISSIONS	DATE

SEAL

DRAWING TITLE

ARCHITECTURAL SITE PLAN

DRAWING NO.

AS101

PROJECT STATUS

14 de abril de 2023

Lcdo. Félix Rivera Torres
Secretario Auxiliar Interino
Oficina de Gerencia de Permisos (OGPe)
PO Box 41179
San Juan, Puerto Rico 00940-1179

Estimado Lcdo. Rivera:

AAA RM-23-65-0002 SAN JUAN – CONSTRUCCION HOTEL HILTON HWS & HI SAN JUAN CITY CENTER PROP PARCEL F HOTEL LLC
AVE. BALDORIOTY DE CASTRO, AVE. FDEZ JUNCOS Y CALLE BILLIAN BO. MIRAMAR
(255 UNIDADES EQUIVALENTES)
OGPE:2022-470951-SRI-063657
(RECOMENDACIONES)

Nos referimos al proyecto de epígrafe, sometido ante la consideración de la Autoridad de Acueductos y Alcantarillados (AAA). De acuerdo con el memorial explicativo y demás documentación presentada por el Arq. Ilia M. Ríos (Licencia 16045), el cual consiste en el desarrollo de un hotel de 255 habitaciones y un edificio de estacionamientos con aproximadamente 424 espacios en un solar con una cabida aproximada de 8,462 metros cuadrados ubicado en el Distrito del Centro de Convenciones en el Municipio de San Juan. El proyecto está compuesto por un nuevo hotel (Parcela F) y un edificio para estacionamientos (Parcela G-2) en la parcela adyacente, ambos ubicados contiguamente en el Distrito de Convenciones de San Juan. El hotel propuesto está conformado por diez (10) plantas de piso para acomodar unas 255 habitaciones y usos accesorios correspondientes dentro del mismo edificio. La Parcela F es el lote en el cual se propone localizar el hotel. El primer piso del hotel contiene el lobby con las áreas de servicio a los huéspedes que incluyen diversas áreas de estar, comedor, barra, área administrativa, lavandería, cocina, almacenes y cuartos utilitarios. La Parcela G-2 es el lote donde se propone localizar el edificio de estacionamientos tipo bandeja, compuesta de cuatro (4) niveles. El diseño de la estructura del estacionamiento acomodará aproximadamente cuatrocientos (400) estacionamientos, de los cuales nueve (9) son espacios de estacionamiento accesibles y dos (2) son Van-Accesible, en cumplimiento con ADA.

Conforme a lo descrito anteriormente se han considerado 255 unidades equivalentes para fines de esta evaluación. No obstante, el cómputo final de las unidades equivalentes estará basado en lo que, al presentar los planos hidráulicos, resulte ser la demanda requerida para el proyecto propuesto. Si las unidades equivalentes, resultan ser diferente a lo contemplado para fines de esta evaluación, esta Autoridad se reserva el derecho de modificar los términos de esta recomendación.

Sistema de Acueductos

- El servicio de agua podrá ser prestado mediante conexión a una acometida nueva a la línea de 12" de diámetro, que discurre por la Ave. Fernández Juncos y Calle Billian frente al proyecto

- Debido a las presiones registradas en la zona y dado que el edificio del proyecto consta de 10 niveles, se recomienda la instalación de cisterna con generador y sistema de bombeo privado.

- Será necesario que el desarrollador del proyecto pague a esta Autoridad, la cantidad de quinientos dólares ($500.00) por cada unidad de vivienda o su equivalente a conectarse, por el derecho a hacer uso del sistema de distribución de agua existente.

Sistema de Alcantarillado Sanitario

- El servicio de alcantarillado sanitario para este proyecto podrá ser prestado mediante conexión a la tubería sanitaria de 36" de diámetro que discurre por la parcela y del desvío construido, pero no conectado a la Calle Billian. El proponente que realizar estas conexiones en coordinación con la AAA y considerar y respetar esta servidumbre de paso en su proyecto.

- Deberá instalarse un dispositivo antirreflujo (Back Flow Preventer o un Double Check Valve) en la tubería de llenado de la cisterna para evitar la contaminación de nuestro sistema con el retroceso de las aguas quietas provenientes del sistema contra incendios del proyecto. En caso de haber una tubería "bypass" que alimente directamente al sistema contra incendios sin pasar por la cisterna deberá también instalarse un "BFP".

- El diseño debe considerar provisiones para el control de aceites, conforme a lo estipulado en el Programa de Control de Aceites y Grasas (FOG, por sus siglas en inglés), que forma parte de los elementos del Programa de Pre-Tratamiento aprobado por la Agencia de Protección Ambiental (EPA) en el 1985 bajo el Código de Regulación Federal 40 Parte 403. El 40 CFR Parte 403 prohíbe la descarga de contaminantes sólidos o viscosos que puedan causar obstrucción en el sistema de alcantarillado.

- Será necesario que el desarrollador del proyecto pague a esta Autoridad, la cantidad de quinientos dólares ($500.00) por cada unidad de vivienda o su equivalente a conectarse, por el derecho a hacer uso del sistema de alcantarillado sanitario existente.

    - Sistemas de distribución de agua y de alcantarillado sanitario y su conexión a los sistemas de la AAA
    - Relocalización o extensión de obras de acueducto y/o alcantarillado
    - Obras Extramuros e Instalaciones para ser transferidas a la AAA para su operación

Deberá cumplirse con los requisitos establecidos en el *Reglamento Conjunto de Permisos para Obras de Construcción y Usos de Terrenos.*

Favor de indicar el sistema de control de incendios propuesto para el proyecto en el plano para evaluar el mismo. De necesitar alguna acometida para sistema de control de incendios deberá de indicarse.

Los planos deberán ser sometidos y aprobados por esta Autoridad, de acuerdo con el Reglamento para la Certificación de Planos de Construcción, antes de proceder con la construcción de las obras.

El desarrollador someterá los planos del proyecto a escala, orientado al norte y en formato DWG o DXF y en PDF. Éste tiene que incluir un polígono (área) de la extensión territorial del proyecto georeferenciado al sistema de coordenadas North American Datum del 1983 (NAD 83). Además, tiene que indicar si la unidad de medida utilizada es en pies o metros y la revisión del NAD 83 que utilizó.

Al someter el plano final para aprobación, se deberá cumplir también con los siguientes requisitos:

1. Someter los documentos de certificación del ingeniero o arquitecto debidamente cumplimentados
    a. AAA-972 (Solicitud de Aprobación de Planos de Construcción)
    b. AAA-1294 (Certificación de Ingeniero o Arquitecto)

2. Someter un estimado desglosado y por partida de las obras de acueducto y/o alcantarillado a instalarse en el proyecto.

Estas recomendaciones estarán vigentes por el término de dos (2) años, a partir de la fecha de esta comunicación, al cabo del cual, de no haberse sometido planos de construcción de las obras de acueducto y alcantarillado sanitario, el proyecto deberá someterse nuevamente ante la consideración de esta Autoridad.

Cordialmente,

Luis E Almeida

Ing. Luis Almeida Marín, PE
Gerente Técnico – Región Metro
Proyectos Públicos y Privados

LAM/ygp

C: Dueño/Proponente, Expediente, Archivo de Lectura

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Oficina de la Gobernadora
Junta de Planificación

3 de octubre de 2002

Sexta Extensión a la
Consulta Número 99-18-0900-JGU

RESOLUCIÓN

La Junta de Planificación, luego de haber seguido los tramites correspondientes en su reunión del 13 de enero de 2000, aprobó la consulta de ubicación de referencia para el proyecto denominado "Distrito del Centro de Convenciones de Puerto Rico" en varios predios de terrenos que suman una cabida total de 457 cuerdas radicadas en la antigua Base Naval, en el Barrio Santurce, Sector Isla Grande del Municipio de San Juan.

Plaza Las Américas, Inc., luego de agotados los remedios administrativos, no conforme con la determinación de la Junta de Planificación, instó ante el Tribunal de Circuito de Apelaciones, panel de San Juan, recurso de revisión imputando a la Junta, la comisión de seis errores. El referido Tribunal mediante sentencia del 31 de marzo de 2001, dictaminó que la Junta solo había sometido el quinto error imputado, esto es que "erró la Junta de Planificación al autorizar un proyecto distinto al que fue evaluado mediante la Declaración Impacto Ambiental Preliminar (DIA-P), a base de cuyo análisis la Junta de Calidad Ambiental determinó que se cumplió con el Artículo 4(c) de la Ley sobre Política Pública Ambiental". El tribunal concluyó que el proyecto aprobado por la Junta difería en cuanto al proyecto contemplado por la Declaración de Impacto Final (DIA-F). Por ello, revocó el dictamen de la Junta de Planificación.

La Compañía de Turismo de Puerto Rico, radicó ante el tribunal un escrito titulado "MOCIÓN URGENTE DE RECONSIDERACIÓN PARA QUE SE ENMIENDE LA PARTE DISPOSITIVA DE LA SENTENCIA Y SE DEVUELVA DE INMEDIATO EL CASO A LA JUNTA DE PLANIFICACIÓN PARA CONFORMAR LA CONSULTA DE UBICACIÓN A LA DECLARACIÓN DE IMPACTO AMBIENTAL". Dicha moción fue declarada "no ha lugar" por el Tribunal, mediante Resolución del 28 de junio de 2002. No obstante, en la parte pertinente de dicha resolución, expresó lo siguiente:

> "Por otro lado, si el propósito primordial de Turismo es conformar dentro del procedimiento administrativo seguido, la consulta de ubicación a la de impacto ambiental evaluada y aprobada por la Junta de Calidad Ambiental, según se informa en el párrafo tercero de la moción de reconsideración nuestra sentencia no impide que el asunto sea planteado y resuelto correctamente por la Junta de Planificación".

Así las cosas, la Autoridad de Distrito del Centro de Convenciones de Puerto Rico, en comunicación del 13 de septiembre de 2002, luego de haberse remitido el mandato, presentó ante la Junta de Planificación escrito titulado:

> "Solicitud de Sustitución de Partes
> Solicitud de Enmienda a Consulta de Ubicación Distrito del Centro de Convenciones de Puerto Rico, Isla Grande y Barrio Miramar de Santurce, Puerto Rico".

Este escrito fue notificado a todos las demás partes y ninguna de ellas ha comparecido a expresarse sobre el asunto. En consideración a la información obrante en el expediente formulamos las siguientes:

DETERMINACIONES DE HECHO

1. El proyecto para el "Distrito de Comercio Mundial Las Américas" fue promovido por la Compañía de Turismo. El mismo se plasmó en la Ley 351 del 3 de septiembre de 2000, que creó el referido distrito y la Ley 400 del 9 de septiembre de 2000, que creó la autoridad del Centro de Convenciones de Puerto Rico. Mediante la Ley 142 del 4 de octubre de 2001, se enmendó la citada Ley 351, entre otros propósitos, para que tanto el Distrito como el Centro de Convenciones estuvieran bajo la dirección de una sola entidad a conocerse como "Autoridad del Distrito de Convenciones de Puerto Rico".

2. Se propone conformar el proyecto bajo evaluación al estudiado y evaluado en la Declaración de Impacto Ambiental Final (DIA-F), aprobada por la Junta de Calidad Ambiental lo que se ilustra en la siguiente tabla:

Bloque	Uso	Aprobado en DIA-F				Desarrollo Propuesto para Conformar a DIA-F			
		Area Bruta de Construccion (ft2)	Cuartos de Hotel	Unidades de Vivienda	Estaciona-mientos	Area Bruta de Construccion (ft2)	Cuartos de Hotel	Unidades de Vivienda	Estaciona-mientos
A	Centro de Convenciones	1,635,000				1,303,466			
	Estacionamientos				2,500				1,950
B-1	Hotel	494,075	852			494,075	852		
	Comercial/Restaurante	80,147				80,147			
	Estacionamientos				2,162				2,000
B-2	Oficina (Centro de Comercio Mundial)	247,057				247,057			
	Centro Corporativo de Educación	60,000				53,800			
	Estacionamientos								
B-3	Oficina (Centro de Comercio Mundial)	247,057				247,057			
	Estacionamientos								
C	Cinemas	112,367				62,400			
	Comercial/Restaurante	77,942				77,942			
	Estacionamientos				265				550
D	Residencial	337,500		225		337,500		225	
	Estacionamientos				1,156				1,156
E	Oficinas o Vivienda[1]	86,084		118		86,084			
	Estacionamientos				931				931
F	Oficinas	107,827				105,683			
	Estacionamientos				73				73
G	Oficinas o Vivienda[1]	32,274		220		32,274			
	Estacionamientos				320				320
H	Comercial/Restaurante	45,345				24,511			
	Estacionamientos				210				176
I[2]	Museo	152,592				152,592			
	Estacionamientos				470				284
J	Hotel	778,000	920			778,000	920		
	Estacionamientos				436				474
Todos	Distrito	4,493,267	1,772	563	8,523	4,082,588	1,772	225	7,914

La Tabla presentada muestra una reducción de pietaje en los siguientes usos: Centro de Convenciones (Bloque A), Centro Corporativo de Educación (Bloque B-2), cinemas (Bloque C), oficinas (Bloque F) y comercial/ restaurante (Bloque H). Esta reducción tiene como propósito conformar el proyecto propuesto a la Declaración de Impacto Ambiental Final aprobada por la Junta de Calidad Ambiental. De igual forma, el número de estacionamientos propuestos es reducido. No obstante, el mismo cumple con lo requerido por la reglamentación vigente.

3. El proyecto según presentado para ser conformado a la Declaración de Impacto Final (DIA-F), fue referido a los siguientes agencias para comentarios:

    a. Autoridad de Energía Eléctrica – no presentó objeciones al proyecto según ahora presentados, no obstante deberá cumplir con los requisitos de dicha agencia.

b. Autoridad de Acueductos y Alcantarillados – se reitera en el endoso emitido anteriormente y se reafirma en que cuenta con la infraestructura para prestar los servicios de agua y alcantarillado sanitario que necesite el proyecto.

c. Departamento de Recursos Naturales y Ambientales - no presentó objeción al proyecto requirió el endoso de la Autoridad de Puertos; permiso de dicho Departamento para la construcción de toma de agua y una franquicia de las aguas publicas; permiso de la Junta de Calidad Ambiental para el control de erosión y sedimentación hacia los cuerpos de aguas cercanos al proyecto; cumplir en lo dispuesto en el Reglamento de Planificación Número 25 y el Reglamento de Lotificación y Urbanización, Sección 15.00 (Manejo de Aguas Pluviales) y obtener permisos del Departamento para mover material de la corteza terrestre en cumplimiento del Reglamento para la Extracción de Materiales de la Corteza Terrestre.

d. Autoridad de Carreteras y Transportación – no presentó objeción, siempre que se cumpla con comentarios de su comunicación de 9 de agosto de 2002.

e. Instituto de Cultura Puertorriqueña – solicita estudios adicionales a nivel de Fase II, en el área B. de la parcela a desarrollarse. En cuanto a la parcela A no requiere estudios adicionales.

f. Autoridad de Desperdicios Sólidos – no tiene objeción al proyecto.

g. Municipio de San Juan – aunque el municipio de San Juan originalmente señaló preocupación con relación del impacto del proyecto, sobre la infraestructura, mediante comunicación del 4 de octubre de 2002, expresó no tener objeción al proyecto ya que el mismo esta de conformidad en su Plan Territorial. Es oportuno señalar que las agencias de infraestructura, tal como surge de esta determinación de hechos endosan el proyecto.

h. Administración de Terrenos – no tiene objeción.

i. Autoridad de los Puertos – endosa el proyecto.

4. La Junta se reitera en la determinaciones de hechos de su Resolución del 13 de enero de 2000, no modificadas por la determinación de hechos de esta resolución.

En consideración a las anteriores Determinaciones de Hechos se formula las siguientes:

CONCLUSIONES DE DERECHO

1. El Artículo 1.05 de la Ley Número 351 del 3 de septiembre de 2000, según enmendada, crea la "Autoridad del Distrito del Centro de Convenciones de Puerto Rico", con el propósito de desarrollar y administrar el Centro de Convenciones de Puerto Rico. Por su parte el Artículo 6.14 de la Ley Número 351 supra, dispone lo siguiente:

> "Se le confiere a la Junta de Directores de la Compañía de Turismo de Puerto Rico todas las facultades y deberes que esta Ley le confiere a la Junta de Directores de la Autoridad hasta que la Junta de Directores de la Autoridad sea debidamente constituida. El Presidente de la Junta de Directores de la Autoridad deberá notificar oportunamente al Presidente de la Junta de Directores de la Compañía de Turismo de Puerto Rico y al Director Ejecutivo de la Compañía de Turismo de Puerto Rico que la Junta de Directores de la Autoridad ha sido debidamente constituida".

La Junta de Directores de la Autoridad del Distrito de Convenciones fue debidamente constituida, lo que fue notificado a la Junta de Directores de la Compañía de Turismo y al Director Ejecutivo de dicha Compañía. Por ello, el proyecto objeto de consulta pasa a la administración de la Junta de Directores de la Autoridad del Centro de Convenciones y este sustituye como parte proponente a la Compañía de Turismo.

2. En la Sección 1.04 de la citada Ley 351 se incluye como parte del área geográfica que comprende el Distrito del Centro de Convenciones de Puerto Rico, además de los terrenos contemplados en el proyecto que nos ocupa, el área donde enclava el Aeropuerto de Isla Grande, conocido como Aeropuerto Rivas Dominicci el que se renomina como Rivas Dominicci Executive Airport"

3. En la Resolución del Tribunal de Circuito de Apelaciones del 28 de junio de 2002, mediante la cual se denegó solicitud en reconsideración presentada por la Compañía de Turismo, se reconoce que dicha sentencia no impide que la Junta dentro del procedimiento seguido, pase a juicio de la solicitud propuesta de conformar el proyecto al contemplado en la Declaración de Impacto Ambiental evaluada y aprobada por la Junta de Calidad Ambiental.

4. La Junta de Planificación se reitera en las conclusiones de derecho de su Resolución del 13 de enero de 2000, no modificadas por las conclusiones de derecho aqué expresadas.

ACUERDO

En consideración a las anteriores determinaciones de Hechos y Conclusiones de Derecho, la Junta acuerda lo siguiente:

1. Acepta que la Compañía de Turismo sea sustituida como parte proponente por la Autoridad del Distrito del Centro de Convenciones.

2. Aprobar el proyecto según presentado el 13 de septiembre de 2002, ya que el mismo se ajusta al contemplado en la Declaración de Impacto Ambiental Final evaluada y aprobada por la Junta de Calidad Ambiental. En términos específicos el proyecto que nos ocupa se denomina "Distrito del Centro de Convenciones de Puerto Rico el cual consiste de:

A. Centro de Convenciones de Puerto Rico: (Bloque A):

Incluye como elementos principales: salón de exhibiciones, salón de baile, salón para reuniones, antesalas y áreas de trabajo trasbastidores. El estacionamiento del Centro de Convenciones será localizado aledaño a la estructura principal y proveerá 1,950 espacios. Una vez completado, el Centro de Convenciones contará con un área bruta de construcción de 121,095 metros cuadrados.

B. Paseo Urbano(Bloques B, C y H):

Bloque B-1: Construcción de un Hotel con un área de construcción 45,900 metros cuadrados, con 852 habitaciones; Uso Comercial/ Restaurantes, con un área de construcción de 7,446 metros cuadrados. Se proveerá 2,000 espacios de estacionamientos.

Bloque B-2: Uso de Oficinas con un área de construcción de 22,952 metros cuadrados; un Centro Corporativo de Educación con un área de construcción de 4,998 metros.

Bloque B-3: Se propone uso de Oficinas con un área de construcción de 22,952 metros cuadrados.

Bloque C: Se propone uso para cinemas con un área de construcción de 5,797 metros cuadrados y uso Comercial/Restaurantes, con un área de construcción de 7,241 metros cuadrados de construcción. Se proveerá 265 espacios de estacionamiento.

Bloque H: Se propone uso Comercial/ Restaurantes con un área de construcción de 2,277 metros cuadrados con 176 espacios para estacionamiento.

C. Parque Lineal (I, J):

Incluye la construcción del Museo. El proyecto del Museo fue aprobado separadamente por esta Junta mediante Consulta Número 99-18-0816-JGU-T. Además, incluye la construcción de un segundo Hotel con área de construcción de 72,276 metros cuadrados con un total de 920 habitaciones y 474 espacios para estacionamiento para la parcela J.

D. **Miramar Oeste (Bloques D, E, F, G):**

Bloque D: Incluye viviendas con un área de construcción de 31,354 metros cuadrados con un total de 225 unidades de vivienda, con 1,156 espacios de estacionamientos.

Bloque E: Incluye oficinas con un área de construcción de 7,997 metros cuadrados y 931 estacionamientos.

Bloque F: Incluye oficinas con área de construcción de 9,818 metros cuadrados y 73 estacionamientos.

Bloque G: Incluye oficinas con 2,998 metros cuadrados de área de construcción; y 320 estacionamientos.

Los demás parámetros de diseño serán conformes al plano sometido y sellado por la Junta.

3. El proyecto según aprobado está sujeto a lo siguiente:

A. La Administración de Reglamentos y Permisos determinará cuál será la próxima etapa en el trámite del Proyecto, la cual deberá cumplir con todas las disposiciones de leyes, reglamentos y normas de planificación vigentes y aplicables, así como con las normas de dicha Administración.

B. Cumplir con los requerimientos de las agencias estatales y/o federales concernidas y con las recomendaciones de la Junta de Calidad Ambiental.

C. La parte proponente podrá hacer cambios en el concepto aquí autorizado siempre y cuando no exceda el pietaje autorizado para los usos propuestos, el número de unidades y el área total en la Consulta, sin que medie autorización de la Junta.

D. El Proyecto será desarrollado por etapas a discreción de la parte proponente.

E. Se concede una vigencia de tres (3) años a la Consulta dentro de lo cual se deberá haber iniciado una primera etapa.

F. Se cumplirá con los espacios de estacionamiento requeridos conforme al Reglamento de Planificación Número 4, incluyendo el concepto de estacionamiento compartido.

G. Se coordinarán los accesos al Proyecto con la Autoridad de Carreteras y Transportación y/o Municipio de San Juan, según corresponda.

H. Se cumplirá con todas las medidas de mitigación incluidas en la Declaración de Impacto Ambiental, incluyendo el Estudio de Tránsito preparado.

I. Se coordinará con la Autoridad de Acueductos y Alcantarillados para la conexión del Proyecto a sus sistemas y para las mejoras o aportación que dicha agencia estime necesaria.

J. El movimiento de tierra a llevarse a cabo deberá mantener los rasgos topográficos lo más posible y limitarse el mismo a la porción de terreno que se considere en la aprobación del plano de construcción. Durante esta etapa se deberá mantener el área húmeda para evitar la generación de polvo fugitivo.

K. Se depositarán los desechos de materiales de construcción en vertederos autorizados por la Junta de Calidad Ambiental.

L. Se reforestarán las áreas verdes que sean despojadas de su cubierta vegetal como resultado de la construcción, cumpliendo con las disposiciones del Reglamento de Planificación Número 25.

M. Se mantendrán los camiones de carga que se utilicen para transportar material de relleno y/o construcción cubiertos mientras estén en movimiento para evitar generación de materia particulada.

N. Se observará el período de operación que establece el Reglamento para la Prevención y el Control de la Contaminación por Ruido para actividades de construcción de esta naturaleza.

O. Los vehículos y maquinarias a utilizarse en el proyecto deberán recorrer las rutas de acceso lo más distante posible de los planteles donde se encuentran realizando labores docentes y áreas clasificadas como zonas de tranquilidad ("Quiet Zones").

P. Cualquier transacción de terrenos podrá someterse ante la Administración de Reglamentos y Permisos o la Junta de Planificación, según sea el caso.

Los señalamientos anteriores se han hecho de la información disponible en estos momentos. No obstante, la Administración de Reglamentos y Permisos podrá hacer requerimientos adicionales que sean necesarios en el futuro, bien sea por situaciones que se desconocen ahora o imprevistas que pudieran surgir durante el desarrollo del Proyecto en sus distintas etapas.

DISPONIÉNDOSE, que: (1) la acción tomada por esta Junta sobre la Consulta no implica la aprobación de la etapa subsiguiente correspondiente, la cual deberá someterse a la consideración de la Administración de Reglamentos y Permisos dentro del periodo de vigencia de este informe; (2) esta aprobación tendrá un vigencia de tres (3) años a partir de la fecha de notificación de este informe; (3) de no someterse la etapa subsiguiente en la Administración de

Reglamentos y Permisos dentro del término de vigencia establecido la Consulta quedará **AUTOMÁTICAMENTE ARCHIVADA** para todos los efectos legales; (4) se dispone que, cualquier cambio en la cabida de los terrenos como resultado de una revisión de la mensura, que se mantenga dentro de un 5% de la cabida informada en la presente Consulta, se podrá corregir en los planos correspondientes y presentar ante el Registro de la Propiedad sin que medie una resolución expresa de esta Junta a tales fines.

ADVERTENCIA: Cualquier parte afectada por esta Resolución podrá radicar una **Moción o Solicitud de Reconsideración** en la Secretaría de esta Junta dentro de un término de veinte (20) días contados a partir del archivo en autos de la notificación de esta Resolución. El solicitante deberá enviar copia de tal escrito por correo certificado y acuse de recibo a todas las partes que hayan intervenido en los procedimientos y a la Administración de Reglamentos y Permisos. La parte proponente y los interventores tendrán diez (10) días naturales contados a partir de la notificación para expresarse sobre la Solicitud de Reconsideración. Si no lo hicieren dentro del término establecido, se entenderá que renuncian a su derecho de réplica.

La Junta dentro de los quince (15) días de haberse presentado dicha Solicitud de Reconsideración deberá considerarla. Si la rechazare de plano o no actuare dentro de los quince (15) días, el término para solicitar recurso de Revisión Judicial comenzará a correr nuevamente desde que se notifique dicha denegatoria o desde que expiren esos quince (15) días, según sea el caso. Si la Junta acoge la Solicitud de Reconsideración, deberá resolver la misma dentro de los noventa (90) días siguientes a la radicación de dicha solicitud. El término de treinta (30) días para solicitar Revisión Judicial comenzará a contarse desde la fecha en que se archiva en autos una copia de la notificación de la Resolución de la Junta resolviendo definitivamente la Solicitud de Reconsideración, cuya resolución deberá ser emitida y archivada en autos.

Si la Junta dejare de tomar alguna acción con relación a la Solicitud de Reconsideración dentro de los noventa (90) días de haber sido acogida bajo estudio, perderá jurisdicción sobre la misma y el término para solicitar la Revisión Judicial empezará a contarse a partir de la expiración de dicho término de noventa (90) días, salvo que la Junta, por justa causa y dentro esos noventa (90) días prorrogue el término para resolver por un período que no excederá de treinta (30) días adicionales.

De no optarse por el procedimiento de Solicitud de Reconsideración antes expuesto, la parte afectada podrá, dentro del término de treinta (30) días, contados a partir de la fecha del archivo en autos de esta Resolución, de así interesarlo, presentar Recurso de Revisión Judicial ante el Tribunal de Circuito de Apelaciones, lo anterior, en virtud de lo dispuesto en la Sección 3.15 de la Ley Núm. 170 del 12 de agosto de 1988, según enmendada.

NOTIFÍQUESE: A las partes cuyos nombres y direcciones se mencionan a continuación: Lcdo. Mario J. Pabón, Lcdo. Irwin Flashman, Compañía de Turismo, O'Neill & Borges, American Internacional Plaza, Ave. Muñoz Rivera 250, San Juan, PR 00918-1808; Lcdo. Carlos M. Declet, Centro Unido de Detallistas, Condominio El Centro I, Suite 202, Ave. Muñoz Rivera #500, San Juan, PR 00918; Omar Jiménez, Aptdo. 9021949, San Juan, PR 00902-1949; Administración de Reglamentos y Permisos, Oficina de Asesoramiento Legal, PO Box 41179, San Juan, PR 00940-1179; Romy Arroyo, PO Box 10376, San Juan, PR 00922; Gloria Balzerio de Zorrilla, PO Box 362079, San Juan, PR 00936; Celso Torre Naviera, Aptdo. 10108, San Juan, PR 00908-1108; José A. Terrasa, Comodoro Club Nautico, PO Box 9021133, San Juan, PR 00902-1133; Pridco, Ave. Roosevelt 355, San Juan, PR 00917-19; Carlos Trigo, Ave. Roosevelt, Centro Comercial Villa Caparra, Segundo Nivel, Guaynabo, PR 00965-71; Alfredo Irizarry Alcay, Inc., PO Box 19600, San Juan, PR 00910-1600; David Santiago, Pres. de Junta, Ave. Américo Miranda #1311, San Juan, PR 00921; Carmen Raspaldo, Calle Refugio #902, Santurce, PR 00907; Eduardo Ferrer, Pres., San Juan Bay Marina, PO Box 9020485, San Juan, PR 00902-0485; Gladis J. Aponte, Pres. de Junta, Cond. Castillo de Miramar, Ave. Miramar 659, Apt. 6D, Santurce, PR 00907-3447; Socorro Torres Díaz, PO Box 2991, Guaynabo, PR 00970; Emilia Holguin, Cond. Miraflores, Aptdo. 2D, Refugio 903, San Juan, PR 00908; Luis Alvin Amoros, PO Box 9023361, San Juan, PR 00902-3361; Ismael Vilar Porrata, PO Box 128, Utuado, PR 00641-0128; José A. Fernández, Ave. Ponce de León 416, Unión Plaza, Oficina 600, Hato Rey, PR 00918; Dolores Barreras, Elliot Place 601, Miramar, Santurce, PR 00907-3117; Arturo García Sola, Calle Arecibo #617, Miramar, Santurce, PR 00690; Víctor Contreras, Presidente de Junta, Condominio Pacific Manor, Calle Arecibo, PH, Santurce, PR 00907; Latino Merino, Presidente de Junta, Condominio Llaveras, Apt. 3, 621 Calle Arecibo, San Juan, PR 00908; Tomás Díaz, PO Box 9020616, San Juan, PR 00902-0616; Eugenio Geigel, PO Box 361637, San Juan, PR 00936-1637; Claudio Ortiz Arias, Urb. Colinas Verdes, Río Piedras, PR 00924; Nelly Rosario Maldonado, Calle San Diego, Urb. San Ignacio, San Juan, PR 00907; Carlos Lazaro García, Ave. Miramar 704, Santurce, PR 00907; Esther Moreno Bonnet, Cond. Kinas Court 81, Aptdo. 3B, San Juan, PR 00911; Arturo Fossas Dávia, Ave. Ponce de León 1519, Edif. First Bank, Ofic. 303, San Juan, PR 00909; Eddie Vélez Cuevas, Cond. Royal House, Calle Central PH-2, San Juan, PR 00907; Graciela Rodríguez Arones, 710 Calle Central, San Juan, PR 00907; Margarita Lugo, 650 Ave. Fernández Juncos, Apto. #3, Santurce, PR 00907; Nadine Salás, Presidente de Junta, Condominio San Antonio Apt. 601,

712 Calle Central, Santurce, PR 00907; Amelia Tedeschi, Cond. Laguna Terrace, Calle Joffre #6, Apto. 12B, Santurce, PR 00907; Ramón Del Valle, PO Box 71350, San Juan, PR 00936; Rita Rodríguez Pérez, Calle 8 E-15, Urb. Tintillo Gardens, Guaynabo, PR 00966; Luis A. Pérez González, Central 706 Apto.1, San Juan, PR 00907; Hjalmar Flax, Presidente de Junta, Cond. La Torre, Ave. Miramar 709, Apto. 10B, San Juan, PR 00907; Sucn. Eloisa Mendia, Urb. Tintillo Gardens, A-45 Calle 2, Guaynabo, PR 00966; Ivette Martínez Palma, Presidente de Junta, Cond. Miramar 703, Apto. 102, Ave. Miaramar, Santurce, PR 00907; Tomás Díaz, PO Box 9020616, San Juan, PR 00902-0616; Carlos Esteva, PO Box 361135, San Juan, PR 00936-1135; Nancy Rodríguez, 2070 Ave. Las Américas, Suite 251, Ponce, PR 00717; Bernardo Hogan Dean, Central 702, Miramar, Santurce, PR 00907; Francisco Merino Gancía, Santos #54, Arecibo, PR 00614; Syra Blanes De Ortiz, Edif. Colgado Palmolive, Suite 304 Metro Office Park, Guaynabo, PR 00968; Carlos M. Suárez, PO Box 9020, Santurce, PR 00907; René Pinto Lugo, PO Box 9024098, San Juan, PR 00902-4098; Carmen Luiña Díaz, Presidente de Junta, Cond. Elliot Hill, Elliot Place Apt. 1-B, Santurce, PR 00907; Lcdo. Yusif Mafuz Blanco, División de Expropiaciones, Departamento de Justicia, PO Box 9020192, San Juan, PR 00902-0192; Gloria Rodríguez, Edificio Moreno Rodríguez, Calle Olimpo 608 PH, Santurce, PR 00907-3120; Arlene Gondswetter, PO Box 111299, San Juan, PR 00912-1299; Pedro García, Cond. Miramar 700, Apto. 403, San Juan, PR 0902; José Betancourt, Calle Acadia 09, Urb. Park Gardens, Río Piedras, PR 00926; Mathew Lipusuck, PO Box 9022081, San Juan, PR 00902-2081; Dulce María Cedano, PO Box 9893, Pda. 18, Santurce, PR 00918; Isidro Barros, PO Box 8689, Santurce, PR 00918; Eugenio Fernández Cerra, Calle Olimpo 612, Miramar, Santurce, PR 00907; Jesús Regus Santiago, PO Box 13031, Santurce, PR 00918-3031; Fred Reichard Correa, Calle Olimpo 614, Miramar, San Juan, PR 00907-3120; Katarina Stipec Rubio, Presidente de Junta, Cond. Olimpo, 610 Calle Olimpo, Buzón C, Santurce, PR 00907-3114; Dinorah Pérez Chapuy, PO Box 9594, San Juan, PR 00908-0594; Manuel López Ponds, Ave. De Diego 312, Ofic.. 502 Pda. 22, Santurce, PR 00907; George Vélez, PO box 9022285, San Juan, PR 00902-2285; Luis Sousa Mora, Presidente de Junta, Cond. Miramar 656, Apto. 5A, Santurce, PR 00907; Consuelo Vanderlinde PO Box 10015, Santurce Sta., San Juan, PR 00908; Pura Reverón Fuentes, Cond. Roosevelt 615, Apt. 4-B, Santurce, PR 00907; Francisco Castro Amy, Calle Olimpo 616, Apto. 1, Miramar, San Juan, PR 00907; Eugenio Gill, Presidente de Junta, Cond. Hilltop Mansión, Apt. 1603, Santurce, PR 00907; Gloria García, Presidente García, Presidente de Junta, Cond. La Alambra, Apt. 6-B, Santurce, PR 00907-

08; Ivan Fracinetti, Presidente de Junta, Cond. Water View 613, Ave. Ponce de León, Santurce, PR 00907; Moraima M. Méndez, 702 Roosevelt St., Apt 102, San Juan, PR 00907; Ferdinand Quiñones, CSA Group, Mezanine Suite Mercantil Plaza, San Juan, PR 00918; Héctor Lavergne, PO Box 195374, San Juan, PR 00919-5374; TOM Ennen, Convencional Wisdom Corp., 2111 Athens Street, Sout Boston, MA 02127; José J. Terrasa, 107- Luna 1-B, Viejo San Juan, San Juan, PR 00901; Pedro A. López, Ave. Chardón 707, Hato Rey, San Juan, PR 00918; Rene Flores, Compañía de Turismo, Paseo de la Princesa, San Juan, PR 00901; Giovanni Ruiz, PO box 9020163, San Juan, PR 00902-0163; Luis Fernández Solano, PO Box 9020163, San Juan, PR 00902-0163; Angel Rivera, PRIDCO, 355 Ave. F.D. Roosevelt, Hato Rey, PR 00918; Frank A. Dalmau, 2070 Buenos Aires, Santurce, PR 00911; Lcda. Leonor Porrata Doria, Suite 1420 Edif. First Federal, Hato Rey, PR 00918; Arq. Roberto Alsina, Director, Municipio de San Juan, Departamento de Urbanismo, PO Box 9424100, San Juan, PR 00902-4100; Pablo Ojeda O'Neill, 654 Roosevelt, Miramar, San Juan, PR 00901; Lillian Riera, Pinto, Lugo & Rivera, PO Box 902498, San Juan, PR 00902; Luis A. Cruz, PO Box 9020192, San Juan, PR 00901; David Santiago, 1311 Américo Miranda, San Juan, PR 00921; Lina M. Dueño, PO Box 361026, San Juan, PR 00936; Raúl Esteva, PO Box 1514, Arecibo, PR 00613; Ida Zayas, Cond. Llavaneros, Apto. 2-A, San Juan, PR 00918; Edelmiro Salas garcía, PO Box 194020, San Juan, PR 00919-4020; Lilly Castro Marengo, Calle Concordia 655, Miramar, PR 00907; Francisco Umpierre, Calle Refugio 903, Apt. 2-E, Miramar, PR 00907; Marisol Laureano, PO Box 9021302, San Juan, PR 00902-1302; Yanzel Muñiz, Aptdo. 12144, San Juan, PR 00914-0144; Antonio García, 709 Calle Estado Apt. 5, Miramar, PR 00907; Claudia Vicente, 709 C/Estado Apt. 5, Miramar, PR 00907; Carlos López Atienza, C/ 1 H-3, Prado Alto, Guaynabo, PR 00957; Raúl Esteva, PO Box 1514, Arecibo, PR 00613; Libia Pabón Canting, 612 Calle Arecibo, Esq. Elliot Plaza, Apt. 1-B, Miramar, PR 00907; Antonio Fernández, Atenas H-109, Ext. Forest Hills, Bayamón, PR 00959; Luis D. Alessio, PO box 19441, San Juan, PR 00919-4741; Juan M. Moscoso, Elliot 604 Apt. 2-B, Miramar, PR 00907; Mayrelis Carrasquillo, Calle 16 P-27, Santa Jane, Lajas, PR 00667; Lcdo. Joarick S. padilla Aviles, 1111 Ave. Jesús T. Piñero, San Juan, PR 00920-5605; Lcda.. Maretza Rodríguez Portela, PO Box 699, Caguas, PR 00726; Miltón Segarra Pancorbo, Director Ejecutivo, Compañía de Turismo, Aptdo. 902-3960, Estación Viejo San Juan, PR San Juan, PR 00902-3960; Tren Urano, 398 Ave. Jesús T. Piñero, San Juan, PR 00918; David González, Presidente de Junta, Cond. Casablanca, Apt. 3-C Calle Refugio 901, Santurce, PR 00907; Administración de

Propiedades, Aptdo. 41269, San Juan, PR 00940-1269; Lcdo. José R. Lazaro Paoli, PO Box 19295, Fernández Juncos Sta., San Juan, PR 00910-1295; Julio Ghigliotti, PO Box 90661688, San Juan, PR 00906; Elsa Colberg, Presidente de Junta, Cond. El Cid, Miramar 660, San Juan, PR 00907; Carmen M. Ruiz, PO Box 40865, Minillas Station, San Juan, PR 00904; Fernández Paoli, Martinal Real Estate Corp., 701 Ave. Ponce de León, Centro de Seguros Building, Santurce, PR 00907; Autoridad de Puertos, PO Box 362829, San Juan, PR 00936; Francisco J. Umpierre, Cond. Miraflores, Apto. 1E, Refugio 903, Santurce, PR 00907; Lcdo. Daniel Martínez Oquendo, Ave. Jesús T. Piñero 1111, San Juan, PR 00920-5605. Notifíquese además, copia de cortesía a todas las personas cuyos nombres y direcciones obran en el expediente administrativo.

por: **ANGEL D. RODRÍGUEZ**
Presidente

CERTIFICO: Que he notificado copia fiel y exacta de la presente resolución, bajo mi firma y el sello oficial de esta Junta, a todas las partes mencionadas en el Notifíquese habiendo archivado el original en autos.

En San Juan, Puerto Rico, hoy 15 OCT 2002

Carmen Torres Meléndez
Secretaria

ESTADO LIBRE ASOCIADO DE PUERTO RICO
OFICINA DE LA GOBERNADORA
JUNTA DE PLANIFICACION

Appendix D

Flora and Fauna

FLORA OBSERVADA EN EL PREDIO
Hilton-Hampton-Homewood Hotel
Distrito Centro de Convenciones
San Juan Puerto Rico

Prepared By: Juan Fernández
Date: October 6, 2023
Address: Blvd. Baldorioty de Castro,
Ave. Fernández Juncos & Calle Billian Bo. Miramar, San Juan
Cadaster No. 040-037-001-18-001; 040-036-900-04-000
Coordinates: 18.455092, -66.087276

FLORA OBSERVADA EN EL PREDIO	
Árboles y Arbustos	
Nombre Científico	**Nombre Común**
Familia Arecaceae	
Caryota mitis Lour.	Palma Cola de Pez
Dypsis lutescens	Palma Areca
Wodyetia bifurcata A.K. Irvine	Palma de Zorro
Familia Bignoniaceae	
Tabebuia heterophylla (DC.) Britton	Roble
Tecoma stans (L.) H. B. K.	Roble amarillo
Familia Burseraceae	
Bursera simaruba (L.) Sarg.	Almácigo
Familia Combretaceae	
Conocarpus erectus L.	Mangle Botón
Familia Cycadaceae	
Cycas revoluta	Cycas
Pithcellobium dulce (Roxb.) Benth.	Guama americano
Familia Polygonaceae	
Coccoloba uvifera L.	Uva de Playa
Herbáceas	
Familia Acanthaceae	
Ruellia tuberosa L.	Yunquilla
Familia Asparagaceae	
Asparagus aethiopicus L.	Espárrago helecho
Sansevieria spp.	Lengua de tigre
Familia Araliaceae	
Schefflera arboricola (Hayata) Merr	Cheflera
Familia Bromeliaceae	
Neoregelia cruenta (Graham) L.B. Sm	Bromelia
Familia Poaceae	
Chloris inflata Link	Yerba Paragüita
Urochloa máxima (Jaq.) R. D. Webster	Yerba guinea
Zoysia spp.	Yerba Zoysia
Familia Polypodiaceae	
Nephrolepis exalta	Helecho espada
Zealandia pustulata G. Forst	****

****Nombre común no disponible*

FAUNA OBSERVADA EN EL PREDIO

Hilton-Hampton-Homewood Hotel
Distrito Centro de Convenciones
San Juan Puerto Rico

Prepared By: Juan Fernández
Date: October 6, 2023
Address: Blvd. Baldorioty de Castro,
Ave. Fernández Juncos & Calle Billian Bo. Miramar, San Juan
Cadaster No. 040-037-001-18-001; 040-036-900-04-000
Coordinates: 18.455092, -66.087276

FAUNA OBSERVADA EN EL PREDIO	
Avifauna	
Nombre Científico	**Nombre Común**
Coereba flaveola	Reinita común
Columba livia	Paloma común
Mimus polyglottos	Ruiseñor
Quiscalus niger	Mozambique
Tyrannus dominicensis	Pitirre
Zenaida asiatica	Tórtola Aliblanca
Herpetofauna	
Anolis cristatellus	Lagartijo común
Ameiva exsul	Siguana
Mastofauna	
Felis sp.	Gato
Canis sp.	Perro

Appendix E

Phase I ESA

ENVIRONMENTAL SITE ASSESSMENT PHASE I

HILTON-HAMPTON-HOMEWOOD HOTEL
SAN JUAN, PUERTO RICO

October 6, 2023
CMA 23090

CMA ARCHITECTS & ENGINEERS LLC

TABLE OF CONTENTS

LIST OF APPENDIXES

LIST OF ABBREVIATED TERMS

ACM	Asbestos Containing Materials
ASTM	American Society for Testing and Materials
AUL	Activity Use Limitation
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CRIM	Puerto Rico Municipal Revenues Collection Center (*Centro de Recaudación de Ingresos Municipales*)
DNER	Department of Natural and Environmental Resources
EL	Environmental Lien
ERNS	Emergency Response Notification System
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
HSWA	Hazardous and Solid Waste Amendments
HUD	Housing Urban Development
LBP	Lead Based Paint
LUST	Leaking Underground Storage Tanks
NFRAP	No Further Action Planned
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
NRC	National Response Center
PCB	Polychlorinated Byphenyls
PCS	Permit Compliance System
PRASA	Puerto Rico Aqueduct and Sewer Authority
REC	Recognized Environmental Condition
RCRA	Resource Conservation and Recovery Act

LIST OF ABBREVIATED TERMS

RCRIS	Resource Conservation and Recovery Information System
SEMS	Superfund Enterprise Management System
USGS	United States Geological Survey
UST	Underground Storage Tank

EXECUTIVE SUMMARY

Parcel F Hotel LLC propose the construction of a new hotel (Parcel F) and a parking building (Parcel G-2) on the adjacent lot, located next to each other in the San Juan Convention District. The proposed hotel will have ten (10) stories to accommodate 255 rooms and corresponding accessory uses within the same building. The proposed gross floor area is approximately 165,647 square feet (50489.21 m²), encompassed by an area of occupancy of approximately 20,953 square feet (1946.597 m²). Figure Number 1 shows an aerial photo depicting the project area.

Figure Number 1 - Aerial Photo

Parcel F Hotel LLC has retained the services of CMA Architects & Engineers LLC to carry out an Environmental Site Assessment Phase I at the project area. For this purpose, CMA technical personnel carried out a site visit on September 21, 2023.

This Phase I ESA was carried out in general accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527). A Phase I ESA carried out in accordance with 1527-21 permits a user to satisfy one of the requirements to qualify for the innocent landowner and other landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and/or to

comply with financial institution's requirements for property transactions.

The goal of the Phase I ESA is to identify Recognized Environmental Conditions (REC), which is the presence or likely presence of any hazardous substances or petroleum products in, on or at the property. This assessment has not revealed recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps in connection with the subject property.

1. INTRODUCTION

Parcel F Hotel LLC retained the services of CMA Architects & Engineers LLC to conduct a Phase I Environmental Site Assessment for a tract located at Blvd. Baldorioty de Castro, Ave. Fernández Juncos & Calle Billian Bo. Miramar, in San Juan, Puerto Rico. The cadastral numbers for the properties that comprise the site under study are provided in Table 1 below.

Table Number 1 – Cadastral Numbers Location at Intersection of PR-698 & pr-693		
Direction	**Cadastral Number**	**Description of Acquisition Area**
North Parcel	040-037-001-18-001	Parking Area
South Parcel	040-036-900-04-000	Parking Area

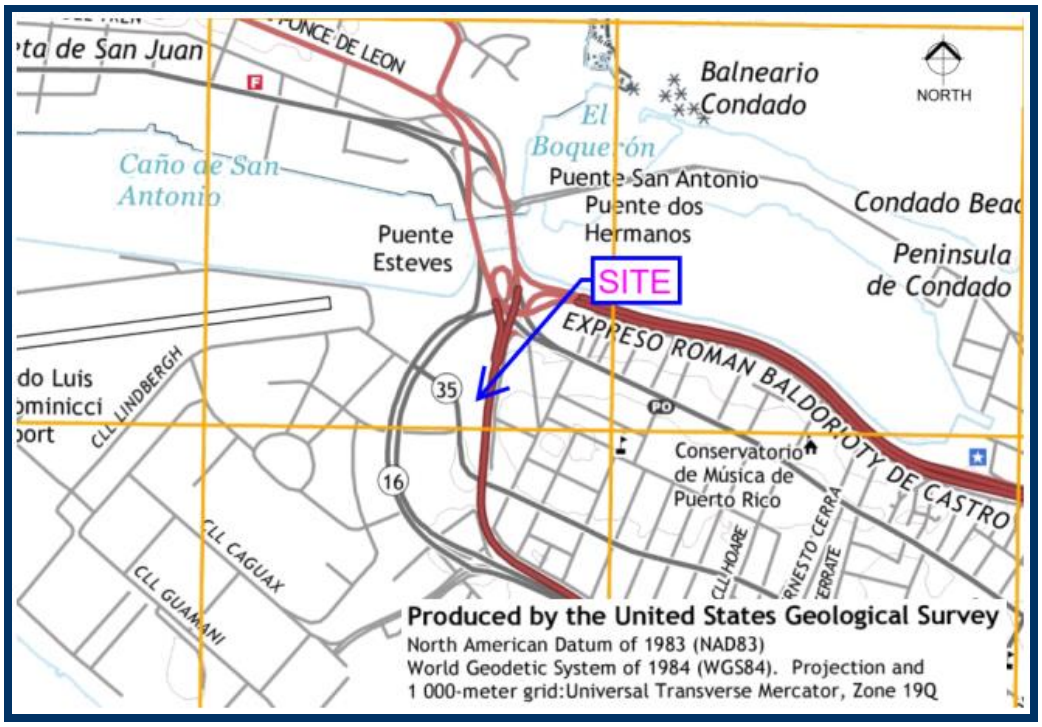


Figure Number 2 – Location Map

The Environmental Site Assessment (ESA) was conducted in general accordance with the guidelines of the Standard Practices for Environmental Site Assessments (Practice E1527-21) developed by the American Society of Testing and Materials (ASTM).

1.1 Purpose

ASTM Practice E1527 defines good commercial and customary practice in the United States of America for conducting an Environmental Site Assessment of commercial real estate with respect to the range of contaminants within the Scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products. The practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense for the purposes of CERCLA liability; specifically to conduct "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC § 9601(35)B.

Performing an ESA in accordance with ASTM Practice E1527-13 has become essential because of recent amendments to CERCLA's landowner liability provisions. Specifically, the Small Business Liability Relief and Brownfield's Revitalization Act of January 11, 2002 clarified the requirements necessary to establish the innocent landowner defense under CERCLA in addition to providing new liability limitations for landowners that qualify as bona fide prospective purchasers or as contiguous property owners.

First, an innocent landowner is a person who: (1) meets the criteria established in CERCLA Sections 107(b)(3) (including due care) and 101(35); and (2) performs all appropriate inquiry prior to purchase and buys without knowing, or having reason to know, of contamination on the property.

Second, a bona fide prospective purchaser is a person who: (1) meets the criteria established in CERCLA Sections 101(40) and 107(r); (2) purchases the property after January 11, 2002; and (3) performs all appropriate inquiry prior to purchasing the property either knowing or having reason to believe that the property is contaminated.

Third, a contiguous property owner is a person who: (1) meets the criteria established in CERCLA Section 107(q)(1)(A); (2) owns a property that is not the source of the contamination and that is contiguous to, or similarly situated to, a facility that is the actual source of contamination

found on their property; and (3) performs all appropriate inquiry prior to purchase and buys without knowing, or having reason to know, of contamination on the property.

In summary, purchaser of real property must make "all appropriate inquiry" into the previous ownership and uses of the property prior to purchasing the property in order to qualify for landowner liability protection under the new CERCLA amendments. This criterion is satisfied by the implementation of a Phase I ESA in accordance with Practice E1527-21.

The purpose of the ESA is to verify, by using the procedures stated in Practice E1527-21, the existence of Recognized Environmental Conditions (REC), which are defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property.

1.2 Scope of Services

The ESA was conducted following the Scope of Services approved by Parcel F Hotel LLC. The Scope of services included the following:

1.2.1 Records Review

- Standard environmental information will be obtained from state and federal regulatory agencies and shall include, when available, the following:
  - Federal NPL site list
  - Federal Delisted NPL list
  - Federal CERCLIS list
  - Federal RCRA TSD facilities list (RCRIS)
  - Federal RCRA generators list property and adjoining properties (RCRIS)
  - State leaking registered and leaking UST lists
- Environmental information will be obtained from state and/or local sources including:

- Lists of hazardous waste/contaminated sites (CERCLIS)
- Records of emergency release reports (ERNS)

- Additional, information will be obtained from Environmental Data Resources (EDR) Report.
- All obvious uses of the property will be identified from the present, back to the property's first developed use, or back to 1962, whichever is earlier. We will use standard historical sources using aerial photographs.
- All appropriate inquiries will be conducted to search for the existence of environmental clean-up liens against the subject property that are filed or recorded under federal and local law.
- Identify wells, tanks (above and below ground) and waste disposal facilities (seepage pits, dry wells, septic systems, and landfills), whether active or closed.
- Data gaps will be identified, and their significance will be commented upon.
- Identify current and past corrective actions, existing engineering controls and institutional controls.

1.2.2 Site Reconnaissance

- Visual and physical observation of the area to be acquired and any structures located at the property will be completed. This will include:
  - Observation of any visual signs of contamination
  - Identification of potential sources of environmental or regulatory concern
  - Identification of significant emissions, discharges and hazardous wastes
  - Identification of past and present uses and condition of the property
  - Identification of past and present uses and condition of adjacent property
  - Visual and physical observations will include hazardous substances and petroleum products in connection with identified uses, storage tanks (above and below ground), odors, pools of liquid, drums, hazardous substance and

petroleum products containers, unidentified substance containers, PCBs, stains and corrosion, drains and sumps, pits, ponds or lagoons, stained soil or pavement, solid waste disposal, wastewater discharge, wells and septic systems.

1.3 Study Assumptions, Limitations and Exceptions

As with any site evaluation, there is a certain degree of dependency upon verbally communicated information which is not readily verifiable through visual inspection or supported by any available written documentation.

This report has been prepared in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13 and E1527-21) and HUD Environmental Standards at 24 CFR 28.5 (i) (2). The work conducted by CMA Architects & Engineers LLC is limited to the services agreed to with Parcel F Hotel LLC and such Scope of Work and no other services beyond those explicitly stated should be inferred or implied.

CMA Architects & Engineers LLC Environmental Site Assessment - Phase I is based upon review of available and relevant data and statements made, information provided by the client, its agents, outside parties, and regulatory agencies.

The Environmental Site Assessment - Phase I is a limited and non-exhaustive survey that is intended to evaluate whether readily available information indicates that historic or current use of the subject property or nearby property resulted in contamination by hazardous substances or waste. As a result, without a comprehensive sampling and analysis program or implementation of services beyond the original scope of work, certain conditions, including, but not limited to those summarized below, may not be revealed:

- Naturally occurring toxic or elements found in the subsurface soils, rocks, or water.
- Biological or infectious agents and pathogens.
- Contaminant plumes (liquid or gaseous) below the surface from remote or unknown sources.

- Contaminants or conditions that do not violate current regulatory standards but may violate such standards in the future.
- Unknown, unreported, and not readily visible site contamination which may have been caused by "midnight" dumping and/or accidental spillage.

1.4 Special Terms and Conditions

CMA Architects & Engineers LLC has exercised due and customary care in conducting its assessment but has not independently verified information provided by others to the extent such information was not readily verifiable. Therefore, CMA Architects & Engineers LLC assumes no liability for any loss resulting from errors or omissions arising from the use of inaccurate/incomplete information or misrepresentations made by others.

1.5 User Reliance

This report has been prepared for and may be relied upon by the user and its client(s) with direct interest in the property as a Phase I Environmental Site Assessment compliant with ASTM Standard Practice for Environmental Site Assessments Phase I Environmental Site Assessments Process (E1527-21). It should be emphasized that conditions at the subject properties can change over time. The use of this report by unauthorized third parties shall be at their own risk.

2. SITE DESCRIPTION

2.1 Location and Legal Description

The property subject to this Environmental Assessment is located on State Road PR-1, intersection with PR-35, Miramar Ward in the Municipality of San Juan. Currently, the property is partially occupied by a parking area. The property is comprised of two parcels with a total approximate area of 15,714.92 square meters.

2.2 Site and Vicinity General Characteristics

The project is surrounded by:

- North: Olive Garden Restaurant
- South: State Road PR-35
- East: State Road PR-1
- West: Hyatt House San Juan and Hyatt Place San Juan.

Figure Number 3 – Surrounding Properties

2.3 Current Uses of the Property

The property under study occupies approximately 15,714.92 square meters and is comprised of a parking area.

2.4 Current Uses of Adjoining Properties

The site is bordered by State Roads PR-1 and PR-35, and several restaurants and hotels. The project is located in the Conventions Center District.

3. USER PROVIDED INFORMATION

The user provided digital copy of several planning permits approved for the proposed project, scope of works and conceptual drawings. User provided information is included as **Appendix A**. The user also provided basic information on the project description, aerial photo and drawing showing properties to be developed.

In order to qualify for one of the *Landowner Liability Protections (LLP)* offered by the Small Business Liability Relief and Brownfield's Revitalization Act of 2001 (the *"Brownfield's Amendments")* the user must conduct the inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. Failure to conduct these inquiries could result in a determination that *"all appropriate inquiries"* is not complete. These inquiries are collected in Appendix X3 of ASTM E1527-21, identified as User Questionnaire, and have been sent to the users. **Appendix B** shows copy of the User Questionnaire.

4. RECORDS REVIEW

Several databases were searched to determine the presence of environmental conditions located within a one-mile search distance that can affect the site. This search was conducted through Environmental Data Resources Inc. (EDR) which produces The EDR Radius Map™ Report with GeoCheck® with the results and a description of the sources and currency tracking information. Refer to **Appendix C** for The Radius Map Report.

The following table shows the minimum search distance for each of the searched databases as per ASTM Practice E1527-21:

Table Number 2 – Minimum Search Distances

Database	Minimum Search Distance [miles]
Federal NPL site list	1.0
Federal Delisted NPL sites list	0.5
Federal CERCLIS List	0.5
Federal CERCLIS NFRAP Site List	0.5
Federal RCRA CORRACTS Facilities List	1.0
Federal Non-CORRACTS TSD Facilities List	0.5
Federal RCRA Generators List	Property and Adjoining Properties
Federal Institutional Control / Engineering Control Registries	Property Only
Federal ERNS List	Property Only
State and Tribal Equivalent NPL	1.0
State and Tribal Equivalent CERCLIS	0.5
State and Tribal Landfills	0.5
State and Tribal LUST	0.5
State and Tribal Registered UST	Property and Adjoining Properties
State and Tribal Institutional Control / Engineering Control Registries	Property only
State and Tribal Voluntary Clean Up Sites	0.5
State and Tribal Brownfields	0.5

2.5 Records Review and Significance

2.5.1 NPL Database

The United States Environmental Protection Agency (EPA) site assessment process ends either when the Agency determines No Further Remedial Action Planned (NFRAP), at which point site assessment stops and EPA archives site information, or when EPA decides to propose a site for listing on the National Priorities List (NPL), at which point the site assessment phase ends and the listing process begins.

The National Priorities List (NPL) is the list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States and its territories. The NPL is intended primarily to guide the EPA in determining which sites warrant further investigation.

A review of the NPL list, as provided by EDR dated September 18, 2023 has revealed that there is no NPL sites within approximately one (1) mile of the target property. The EDR Radius Map is attached as **Appendix C**.

2.5.2 CERCLIS Database

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) database contains information on hazardous waste sites, site inspections, preliminary assessments, and remedial status. It was renamed Superfund Enterprise Management System (SEMS) by EPA in 2015. This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL. The SEMS databased was last revised on September 18, 2023, in the EDR Data Base. The EDR Radius Map Report with GeoCheck is attached as **Appendix C**.

A review of the CERCLIS list, as provided by EDR dated September 18, 2023 has revealed that there is no CERCLIS sites within approximately one (1) mile of the target property. The EDR Radius Map is attached as **Appendix C**.

2.5.3 CERCLIS NFRAP Database

The CERCLIS No Further Response Action Planned (NFRAP) database was renamed SEMS-ARCHIVE by EPA in 2015. It tracks sites that have no further interests under CERCLA. There are no listed or delisted CERCLIS NFRAP sites located within the minimum search distance from the site.

2.5.4 RCRA CORRACTS Database

The EPA maintains a database of the Treatment, Storage and Disposal (TDS) of hazardous waste from reporting facilities under the Resource Conservation and Recovery Act (RCRA). CORRACTS (Corrective Action Sites) is a compilation of data concerning hazardous waste corrective action activity for facilities regulated under RCRA. Corrective action is a requirement under RCRA that TSD facilities investigate and clean up hazardous releases into soil, ground water, surface water, and air. However, a facility may be brought into the corrective action process when EPA is considering a treatment, storage, and disposal facility (TSDF) RCRA permit application.

The subject site was not found in the CORRACTS database. There are no CORRACTS facilities located within the minimum search distance of one (1) mile of the subject site.

2.5.5 RCRA Non-CORRACTS TSD Facilities List

The Non-CORRACTS TSD Facilities database is the EPA's list of TDS facilities that are not currently subject to corrective action.

EDR conducted a search of EPA's RCRAInfo database, which contains information on TSD facilities. A review of the RCRA TSD list indicates that there are no RCRA TSD facilities on the subject property nor inside the search distance.

2.5.6 RCRA Generators List

Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste codes are required to provide information concerning their activities to state environmental agencies, which in turn provide the information to regional and national US EPA

offices. The Resource Conservation and Recovery Information System (RCRIS or RCRAInfo) is used by the Environmental Protection Agency (EPA) to support its implementation of the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA). The system is primarily used to track handler permit or closure status, compliance with Federal and State regulations, and cleanup activities. Other uses of the data include program management, regulation development, waste handler inventorying, corrective action tracking, regulation enforcement, facility management planning, and environmental program progress assessment.

There is one listed RCRA Generators List inside the one-mile radius. The following table shows the generator information and **Figure Number 4** shows the location in the radius map. The site is depicted with number 6.

Table Number 3 – RCRA Generators

Site Name	EPA ID	Address	Direction / Distance
Academia Perpetuo Socorro	PRR000021527	704 Calle Marti San Juan, PR 00907	SSE 0.211 miles

2.5.7 Institutional Control/Engineering Control Registries

Institutional Controls (ICs) are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering Controls (EC) are physical methods to help minimize the potential for exposure to contamination, such as caps and barriers.

The property was not found in the federal institutional controls / engineering controls registries.

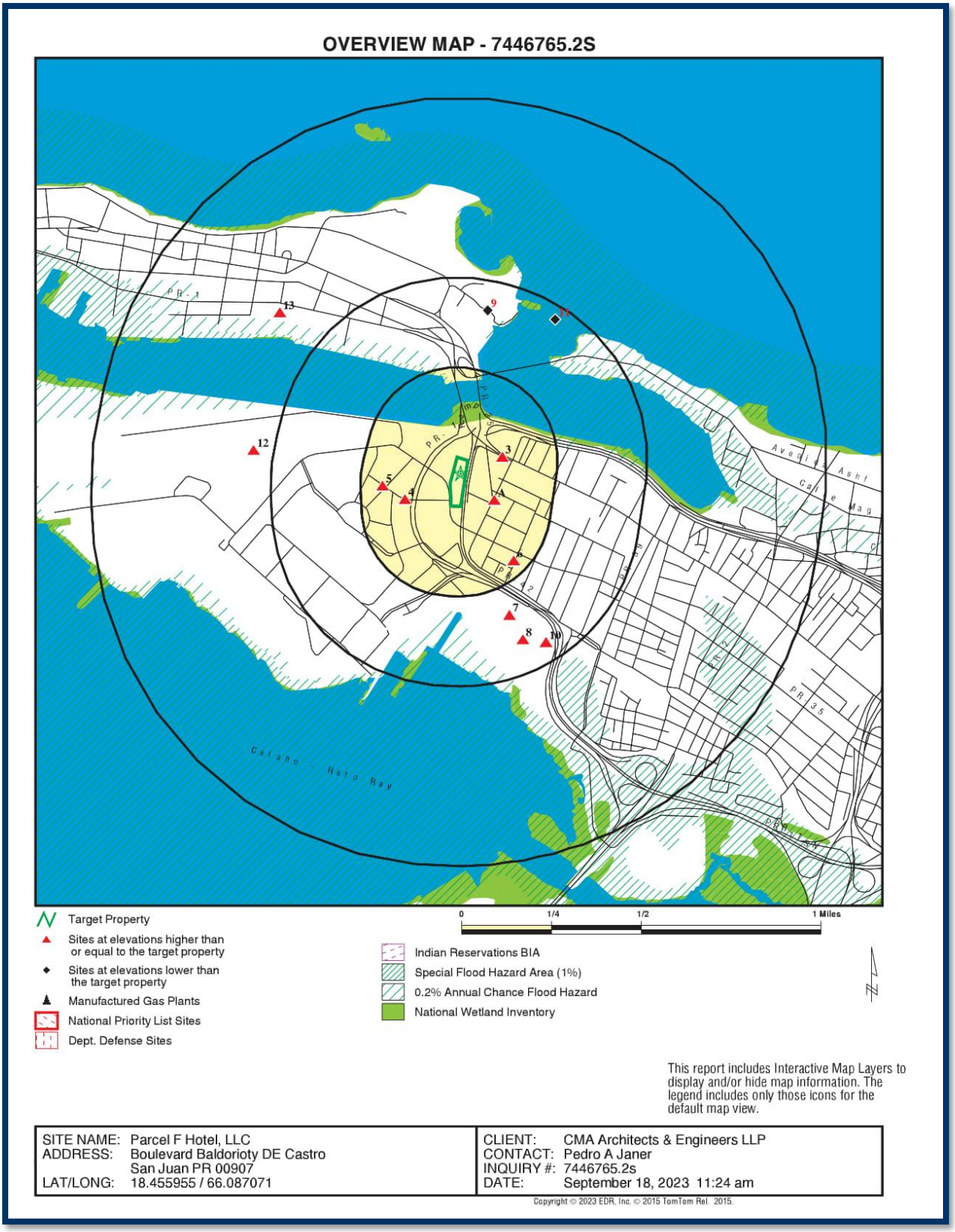


Figure Number 4 – Surrounding Sites

2.5.8 ERNS List

The Emergency Response Notification System (ERNS) database is a record of all notices made to the National Response Center (NRC). The NRC should be notified when any one of several different types of spills or releases of toxic substances occurs, including oil spills and CERCLA releases. The ERNS also includes Coast Guard sightings of spills at sea.

No sites located inside the facilities under study are included on the researched list.

2.5.9 State and Tribal Hazardous Waste Sites Database

No state and tribal equivalent Hazardous Waste Sites Database were available for review.

2.5.10 State and Tribal Equivalent NPL

A letter to the DNER Environmental Emergencies Department was submitted to obtain information regarding environmental incidents at the area. To the date of publication, no answer has been received.

2.5.11 State and Tribal Equivalents CERCLIS

No state and tribal equivalent NPL were available for review. This database is managed by EPA.

2.5.12 State and Tribal Landfills

There is no landfill located inside the search distance.

2.5.13 Leaking Underground Storage Tanks (LUST)

The LUST database provided by EDR shows five sites within search distance. The following table shows characteristics of those sites. **Figure Number 4** shows the location of those sites.

Table Number 4 – LUST Sites

Site Name	EPA ID	Address	Direction / Distance	Map ID
Old Naval Base	86-0076	Miramar	SE / 0.090 mi	A
San Juan Gas Company	94-0162	Ave. Expreso Marginal	SSE / 0.331 mi	7
Taller de Mecánica	98-0067	Calle Prolongación	SSE / 0.408	8
Total PBL #115080	86-1126	Ave. Expreso Sur	SSE / 0.446	10
Caribe Hilton	86-1437	San Gerónimo	N / 0.417	9

2.5.14 Registered Underground Storage Tanks (UST)

According to the EDR Radius Map Report, there are two active registered Underground Storage Tanks (USTs) within 0.25 mile from the property. The following table shows characteristics of those sites. **Figure Number 4** shows the location of those sites.

Table Number 5 – UST Sites

Site Name	EPA ID	Address	Direction / Distance	Map ID
Abarca Warehouse Permanently Out of Use	2-860774	Miramar	SE / 0.090	A2
World Com Currently in Use	2-860026	665 Ponce de Leon	ENE / 0.097	3

2.5.15 State and Tribal IC/EC Registries

There are no state or tribal IC/EC registries available for review.

2.5.16 Voluntary Clean Up Sites

There are no state or tribal voluntary clean-up sites registries available for review.

2.5.17 State and Tribal Brownfield

There are no state or tribal Brownfield registries available for review.

2.5.18 Water Wells

The EDR Radius Map Report with GeoCheck dated September 18, 2023, includes the results of the search of EPA's Public Water Systems (PWS) and the USGS National Water Inventory System (NWIS), which includes a list of wells, springs, and other groundwater sources. Both lists include several federal USGS and local industrial and agricultural wells within one (1) mile from the site. Refer to The EDR's Radius Map Report with GeoCheck for a list of the wells. The following table shows the USGS wells sites:

Table Number 6 – USGS Wells Information

Map ID	USGS #	Direction	Distance
1	USGS40001046492	East	0.25 – 0.50 mi
2	USGS40001046406	South	0.25 – 0.50 mi
3	USGS40001046393	South East	0.50 – 1 mi

2.6 Historical Use Information of the Property and Adjoining Properties

The historical information sources used to obtain information about past uses of the property under study and adjoining properties were the EDR Aerial Photo Decade Package, included as **Appendix D**, and the USGS San Juan topographic quadrangles from 1947 to 2018.

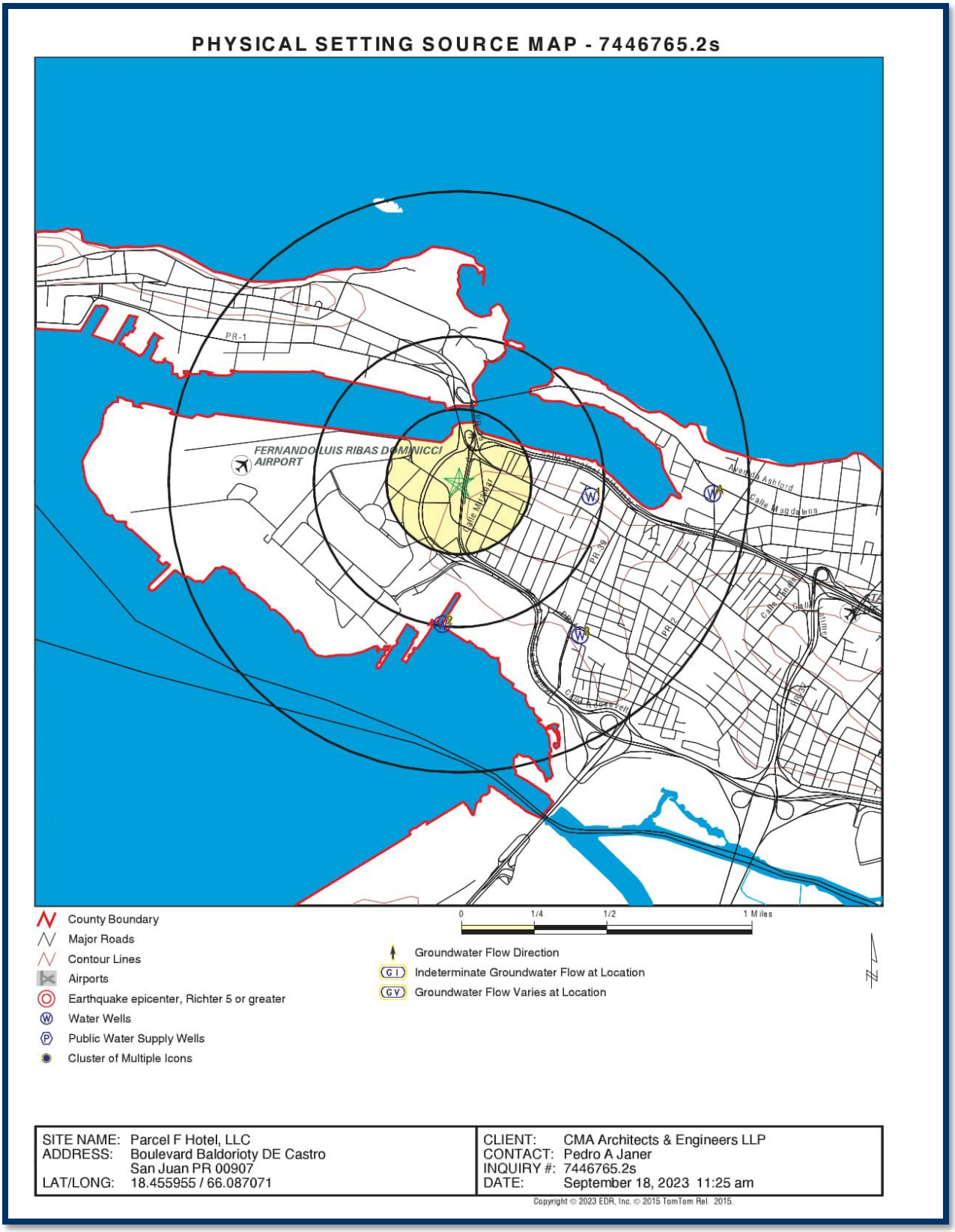


Figure Number 5 - Physical Setting Map (EDR, 2023)

2.6.1 Aerial Photos

The EDR aerial photos all have the same scale and span an area of roughly a mile east to west and slightly more than a mile north to south.

The earliest photo of the area is dated 1962. This photo as well as the photo from 1967 shows several structures along the entire site. The surrounding areas were occupied by the US Naval Reservation. The Isla Grande Airport can be seen to the north-west of the project site. The roads geometry to the southwest of the site seems different at the 1962 and 1967 aerial photos.

The 1974 and 1983 aerial photo shows similar conditions as the 1967 photo.

The 1989 aerial photo shows an expansion of the yacht club to the north of the site. Site conditions are the same as the previous photos.

The 2004 aerial photo shows that US Naval Reservation located to the west of the project site was demolished as well as the structures that existed inside the project site.

Construction activities at the project site can be seen in the 2014 aerial photo. A new structure can also be seen in the northwest corner adjacent to the project site. The 2023 photo shows that the project site is occupied by a parking area that serves the hotels and restaurants of the area. New construction can be seen adjacent to the north and west.

2.6.2 Historical USGS Quadrangles

The site area is included in the USGS San Juan topographic quadrangle. The oldest complete USGS quadrangle map available from the USGS Topo view site is a 1947 topographic map. The map shows the area where the subject Property is located as undeveloped, and the US Naval Reservation can be seen to the west. Developed urban land can be seen to the east. as well as its surroundings. Similar conditions can be seen at the 1947, 1949, 1957, 1963, 1969, and1982 historic quadrangles. The Isla Grande Airport can be seen at the 1949 quadrangle. **Appendix E** shows a copy of these quadrangles.

2.6.3 City Directories

No information regarding the property under study was included in the available City Directory. See **Appendix F**.

2.6.4 Sanborn Maps

The property under study is unmapped. A certification is included in **Appendix G**.

2.6.5 Building Permits

No building permits were available during the property evaluation period.

2.7 Environmental Liens and Activity and Use Limitations

No title search nor deeds were provided by the Client.

SITE RECONNAISSANCE

On September 21, 2023, as site visit was conducted by an Environmental Professional to identify possible recognized environmental conditions[1] (REC). During the site visit no RECs were observed.

Currently, the project area is occupied by a parking area. The area is covered with asphalt. Several oil spots were observed as well as several waste accumulation areas to the east boundary. **Appendix H** shows an observations report with photos obtained at the evaluated area.

2.8 Objectives

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying Recognized Environmental Conditions (REC) in connection with the property in discussion.

2.9 Methodology and Limiting Conditions

A detailed field walk of the subject property was conducted on September 21, 2023. On this day, special attention was given to identifying any type of activity and/or existing conditions that could be recognized as an environmental condition in connection to the properties. A Photo Log is included as **Appendix H**. The report includes photos obtained during the site visit.

2.10 General Site Setting

The parcel under study is located at the Conventions Center District in the Municipality of San Juan. It is bordered to the north by Olive Garden Restaurant, to the west by State Road PR-36 and two Hyatt Hotels, to the south by an undeveloped tract of land and to the west by State Road PR-1.

[1] Recognized Environmental Conditions - the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

2.11 Features, Activities, Uses, and Conditions

2.11.1 Current Use of the Properties

Currently, the properties are occupied by a parking area.

2.11.2 Past Use of the Properties

The tract of land was part of the former US Naval Reservation.

2.11.3 Current Use of Adjoining Properties

The subject neighborhood adjoins to the north by two restaurants, to the west by two hotels and to the east by State Road PR-1.

2.11.4 Past Uses of Adjoining Properties

The site under study adjoining properties to the north, south and west were part of the US Naval Reservation. No indicators of past uses of adjoining properties were visually and/or physically observed on the site visit.

2.11.5 Current or Past Uses in the Surrounding Area

The project under study site is located at the Conventions Center District in San Juan. The area is surrounded by an airport, restaurants, hotels and the Puerto Rico Conventions Center.

2.11.6 Geological, Hydrogeology, Hydrologic and Topographic Conditions

The area under study has a level topography. The Geologic Map of the San Juan Quadrangle, Puerto Rico, 1977, shows that the geological formation at the Properties area is Qss. No geological faults were observed on the map.

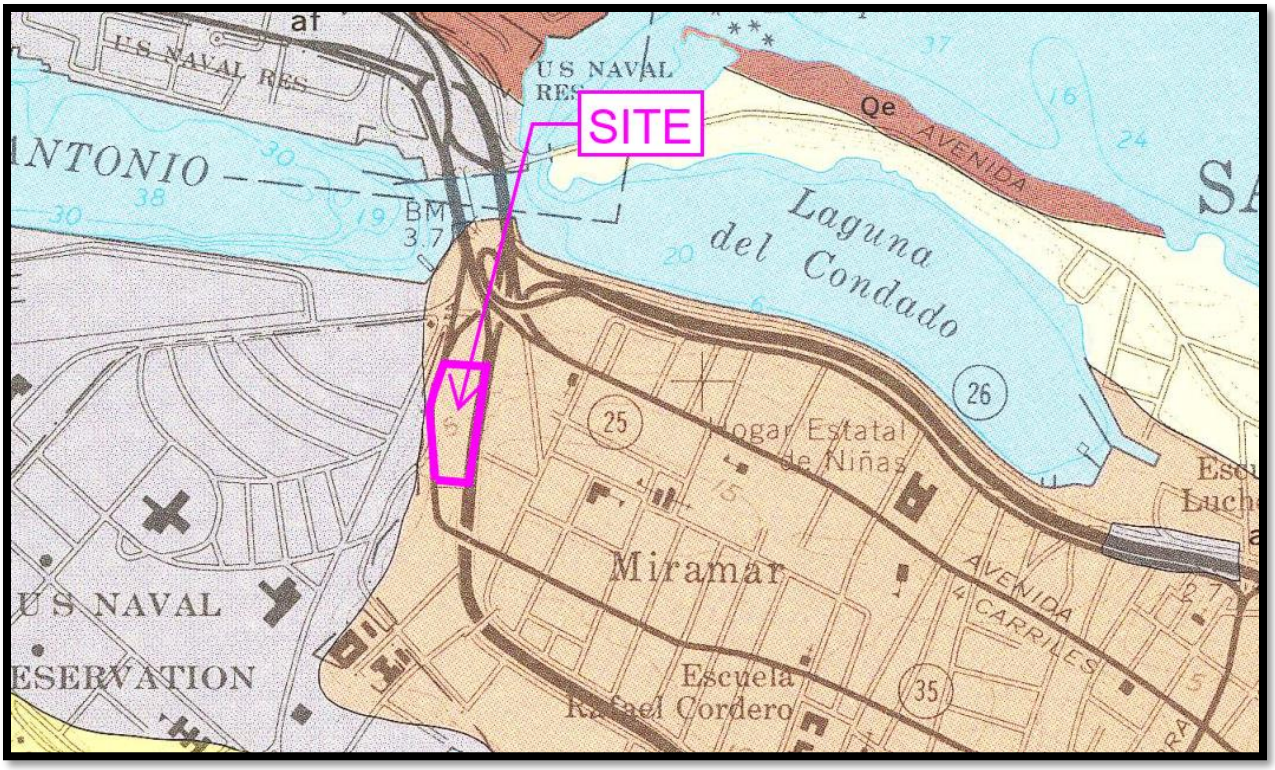


Figure Number 6 - Geological Map (USGS, 1977)

2.11.7 Structures and Other Improvements at the Subject Property

The properties are completely flat. The area is occupied by a parking lot.

2.11.8 Roads

The main access point to the property is through State Road PR-35.

2.11.9 Potable Water Supply and Sewage Disposal System

Potable water and sanitary sewer service at the area is provided by the Puerto Rico Aqueduct And Sewers Authority (PRASA).

2.11.10 Storm Sewer System

Property storm water run-off discharges into surrounding roads storm sewer.

2.11.11 Hazardous Substances and Petroleum Products in Connection with Identified Uses

No hazardous substances nor petroleum products were observed at the site.

2.11.12 Storage Tanks

No storage tanks were observed at the site.

2.11.13 Strong, Pungent, or Noxious Odors and Their Sources

No odors of any type were detected during our visit to the site.

2.11.14 Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products

No standing surface water and pools or sumps containing liquids likely to be hazardous substances or petroleum products were observed at the site.

2.11.15 Drums, Totes, and Intermediate Bulk Containers

No drums, totes or intermediate bulk containers were observed at the site.

2.11.16 Hazardous Substance and Petroleum Product Containers Not in Connection With Identified Uses

No hazardous substance and petroleum product containers not in connection with identified uses were observed near at the site.

2.11.17 Unidentified Substance Containers

No unidentified substance containers were observed near at the site.

2.11.18 PCB-Containing Items

No PCB-containing items were observed at the site.

2.11.19 Heating/Cooling

No heating and/or cooling equipment were observed at the site.

2.11.20 Stains or Corrosion on Floors, Walls, or Ceilings

The project site does not have any structure.

2.11.21 Drains and Sumps

No drains or sumps were observed at the site,

2.11.22 Pits, Ponds, or Lagoons.

No pits, ponds or lagoons were observed at the site.

2.11.23 Stained Soil or Pavement.

Several stains were observed at the site. Those stains are apparently petroleum hydrocarbons from the vehicles that use the parking spots. These spots are considered a de minimis condition. A *de minimis* condition is a a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a recognized environmental condition nor a controlled recognized environmental condition.

2.11.24 Stressed Vegetation.

No stressed vegetation was observed at the site other than insufficient water.

2.11.25 Solid Waste

Solid waste accumulation was observed near to the site.

2.11.26 Water/Wastewater

No discharges of water, storm water or wastewater were observed at the site.

2.11.27 Wells

No wells were observed at the site

2.11.28 Septic Systems or Cesspools

No septic tanks or cesspools were observed at the site.

3. INTERVIEWS

3.1 Interview with Owner

The subject property is the property of Prisa Group. In a conversation with engineer Javier Garcia, Managing Partner of the firm we were informed that during the site development an underground storage tank was encountered at the site. As part of the tank removal, earth with fuel was removed and disposed of adequately. No other environmental incident was recalled by engineer Garcia.

3.2 Interview with Local Government Officials

No interviews with local government officials were carried out. A letter requesting information of the project area was submitted to the DNER. Copy of the letter is included as **Appendix D**.

4. FINDINGS

To obtain information that could lead to a Recognized Environmental Condition (REC) in connection with the property, a field visit was conducted on September 21, 2023. After revising the available information and the site visit no RECs were observed.

During the field visit several stains were observed at the site. Those stains could be petroleum hydrocarbons leaked by the vehicles that use the parking. Also, several wastre accumulation were observed at the site eastern and southern boundaries. The accumulated waste includes aluminum cans, paper and plastic cups and paper bags.

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5. OPINION

A Recognized Environmental Condition (REC) at the property, as defined by ASTM E1527-21. The term recognized environmental condition means (1) the presence of hazardous substances or petroleum products **in, on, or at** the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

Based on the REC definition and the site observations, no REC were observed at the site to be developed by the Client. Those stains are apparently petroleum hydrocarbons from the vehicles that use the parking spots. These stains are considered a de minimis condition. A *de minimis* condition is a a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a recognized environmental condition nor a controlled recognized environmental condition.

5.1 Data Gaps and data failure

A Data Gaps is a lack of or inability to obtain information required by ASTM E1527 Standard Practices despite good faith efforts by the environmental professional to gather such information.

Information regarding environmental incidents at the area under study and adjoining properties was requested to the local government agencies. Since significant releases require reporting to federal agencies, it is unlikely that a significant release of a hazardous substance or petroleum product occurred without the incident being reported to federal agencies whose records were searched.

Aerial photos showing the undeveloped state or dating back to 1940 were not available; the earliest photo available is from 1962 and already shows the properties proposed in the area. Fire Insurance Maps, Property Tax File Records and Recorded land title records for adjoining properties were not available or not reasonably ascertainable. This represents a data failure regarding past uses of the property or adjoining properties.

Based on general historical knowledge it is unlikely a prior unknown use of the land parcel or its adjoining properties occurred before agricultural development. Therefore, this data failure is not considered significant for the purpose of the determination of a Recognized Environmental Condition (REC).

5.2 Interpretation of findings

Based on the visual inspection performed on September 21, 2023, and the environmental databases revised, we understand that no Recognized Environmental Conditions (REC) were observed at the site.

6. CONCLUSIONS

CMA have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of a tract of land located at State Road PR-35 in the Municipality of San Juan. Any exceptions to, or deletions from, this practice are described in Section 10 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

7. DEVIATIONS

This Environmental Site Assessment was prepared in general accordance with the scope and limitations of ASTM practice E1527-21. No deviations were conducted nor requested by the user.

8. NON-SCOPE SERVICES

The ASTM E1527-21 Standard includes the following list of "additional issues" that are non-scope considerations outside of the scope of the ASTM Phase I practice: Radon, Lead in Drinking Water, Wetlands, Cultural and Historic Risks, Industrial Hygiene, Health and Safety, Ecological Resources, Endangered Species, Indoor Air Quality, Toxic Mold and High Voltage Power Lines. None of these non-scope issues were requested by the user.

9. ADDITIONAL INVESTIGATION

9.1 Soil Sampling

Due to the findings of the site reconnaissance no soil sampling activities are recommended.

10. REFERENCES

ASTM, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13 and E1527-21)

Concise Dictionary of Environmental Engineering, Thomas M. Pankratz, CRC Lewis Publishers, 1996

EDR Environmental Data Resources Inc. The EDR Radius Map Report with GeoCheck, October 27, 2022

https://ngmdb.usgs.gov/topoview/viewer/#11/18.4500/-66.5802. Retrieved October 27, 2022.
Junta de Calidad Ambiental, Lista de Tanques de Almacenamiento Soterrados de Puerto Rico, 2020.

Junta de Calidad Ambiental, Listado de Tanques de Almacenamiento Soterrados que han Reportado Averías o Derrames en los Mismos, 2020 Third Quarter.

Resource Conservation and Recovery Information System, United States Environmental Protection Agency, 2012

U.S. Geological Survey (USGS) in coordination with the U.S. Environmental Protection Agency (EPA) Atlas of Ground Water Resources in Puerto Rico and the U.S USGS Water-Resources Investigations Report 94-4198, Vega Alta, Puerto Rico, 1996.

United States Environmental Protection Agency (EPA), Hazardous Waste: Learn About Corrective Action. https://www.epa.gov/hw/learn-about-corrective-action

USGS Topoview. San Juan Quadrangles, 1942 to 2018

ENVIRONMENTAL PROFESSIONAL STATEMENT

As required by 40 CFR 312.21(d), we include the following statements of the *environmental professional(s)* responsible for conducting the *Phase I Environmental Site Assessment* and preparation of the *report*.

"I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental professional* as defined in §312.10 of 40 CFR 312 and 12.13.2 and that I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Respectfully submitted,

Pedro A. Janer, REM.

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

This document was prepared by engineer Pedro A. Janer of CMA Architects & Engineers LLC in accordance with the ASTM E1527-13 and 21 standards and in conformance HUD Environmental Standards at 24 CFR 58.5 (i) (2).

Engineer Pedro A. Janer of CMA has a Bachelor's Degree in Chemical Engineering from the University of Puerto Rico Mayagüez Campus. He is a senior environmental engineer and for the last thirty years has prepared ESA Phases I and II documents for industrial, commercial, and governmental clients.

Engineer Janer is a licensed environmental engineer in Puerto Rico, Florida and Virgin Islands and a Registered Environmental Manager (REM) of the National Registry of Environmental Professionals (NREP).

APPENDIX

Appendix A – User Provided Information

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Oficina de la Gobernadora
Junta de Planificación

3 de octubre de 2002

Sexta Extensión a la
Consulta Número 99-18-0900-JGU

RESOLUCIÓN

La Junta de Planificación, luego de haber seguido los tramites correspondientes en su reunión del 13 de enero de 2000, aprobó la consulta de ubicación de referencia para el proyecto denominado "Distrito del Centro de Convenciones de Puerto Rico" en varios predios de terrenos que suman una cabida total de 457 cuerdas radicadas en la antigua Base Naval, en el Barrio Santurce, Sector Isla Grande del Municipio de San Juan.

Plaza Las Américas, Inc., luego de agotados los remedios administrativos, no conforme con la determinación de la Junta de Planificación, instó ante el Tribunal de Circuito de Apelaciones, panel de San Juan, recurso de revisión imputando a la Junta, la comisión de seis errores. El referido Tribunal mediante sentencia del 31 de marzo de 2001, dictaminó que la Junta solo había sometido el quinto error imputado, esto es que "erró la Junta de Planificación al autorizar un proyecto distinto al que fue evaluado mediante la Declaración Impacto Ambiental Preliminar (DIA-P), a base de cuyo análisis la Junta de Calidad Ambiental determinó que se cumplió con el Artículo 4(c) de la Ley sobre Política Pública Ambiental". El tribunal concluyó que el proyecto aprobado por la Junta difería en cuanto al proyecto contemplado por la Declaración de Impacto Final (DIA-F). Por ello, revocó el dictamen de la Junta de Planificación.

La Compañía de Turismo de Puerto Rico, radicó ante el tribunal un escrito titulado "MOCIÓN URGENTE DE RECONSIDERACIÓN PARA QUE SE ENMIENDE LA PARTE DISPOSITIVA DE LA SENTENCIA Y SE DEVUELVA DE INMEDIATO EL CASO A LA JUNTA DE PLANIFICACIÓN PARA CONFORMAR LA CONSULTA DE UBICACIÓN A LA DECLARACIÓN DE IMPACTO AMBIENTAL". Dicha moción fue declarada "no ha lugar" por el Tribunal, mediante Resolución del 28 de junio de 2002. No obstante, en la parte pertinente de dicha resolución, expresó lo siguiente:

> "Por otro lado, si el propósito primordial de Turismo es conformar dentro del procedimiento administrativo seguido, la consulta de ubicación a la de impacto ambiental evaluada y aprobada por la Junta de Calidad Ambiental, según se informa en el párrafo tercero de la moción de reconsideración nuestra sentencia no impide que el asunto sea planteado y resuelto correctamente por la Junta de Planificación".

Así las cosas, la Autoridad de Distrito del Centro de Convenciones de Puerto Rico, en comunicación del 13 de septiembre de 2002, luego de haberse remitido el mandato, presentó ante la Junta de Planificación escrito titulado:

> "Solicitud de Sustitución de Partes
> Solicitud de Enmienda a Consulta de Ubicación Distrito del Centro de Convenciones de Puerto Rico, Isla Grande y Barrio Miramar de Santurce, Puerto Rico".

Este escrito fue notificado a todos las demás partes y ninguna de ellas ha comparecido a expresarse sobre el asunto. En consideración a la información obrante en el expediente formulamos las siguientes:

DETERMINACIONES DE HECHO

1. El proyecto para el "Distrito de Comercio Mundial Las Américas" fue promovido por la Compañía de Turismo. El mismo se plasmó en la Ley 351 del 3 de septiembre de 2000, que creó el referido distrito y la Ley 400 del 9 de septiembre de 2000, que creó la autoridad del Centro de Convenciones de Puerto Rico. Mediante la Ley 142 del 4 de octubre de 2001, se enmendó la citada Ley 351, entre otros propósitos, para que tanto el Distrito como el Centro de Convenciones estuvieran bajo la dirección de una sola entidad a conocerse como "Autoridad del Distrito de Convenciones de Puerto Rico".

2. Se propone conformar el proyecto bajo evaluación al estudiado y evaluado en la Declaración de Impacto Ambiental Final (DIA-F), aprobada por la Junta de Calidad Ambiental lo que se ilustra en la siguiente tabla:

Bloque	Uso	Aprobado en DIA-F				Desarrollo Propuesto para Conformar a DIA-F			
		Area Bruta de Construccion (ft2)	Cuartos de Hotel	Unidades de Vivienda	Estaciona-mientos	Area Bruta de Construccion (ft2)	Cuartos de Hotel	Unidades de Vivienda	Estaciona-mientos
A	Centro de Convenciones	1,635,000				1,303,466			
	Estacionamientos				2,500				1,950
B-1	Hotel	494,075	852			494,075	852		
	Comercial/Restaurante	80,147				80,147			
	Estacionamientos				2,162				2,000
B-2	Oficina (Centro de Comercio Mundial)	247,057				247,057			
	Centro Corporativo de Educación	60,000				53,800			
	Estacionamientos								
B-3	Oficina (Centro de Comercio Mundial)	247,057				247,057			
	Estacionamientos								
C	Cinemas	112,367				62,400			
	Comercial/Restaurante	77,942				77,942			
	Estacionamientos				265				550
D	Residencial	337,500		225		337,500		225	
	Estacionamientos				1,156				1,156
E	Oficinas o Vivienda[1]	86,084		118		86,084			
	Estacionamientos				931				931
F	Oficinas	107,827				105,683			
	Estacionamientos				73				73
G	Oficinas o Vivienda[1]	32,274		220		32,274			
	Estacionamientos				320				320
H	Comercial/Restaurante	45,345				24,511			
	Estacionamientos				210				176
I[2]	Museo	152,592				152,592			
	Estacionamientos				470				284
J	Hotel	778,000	920			778,000	920		
	Estacionamientos				436				474
Todos	Distrito	4,493,267	1,772	563	8,523	4,082,588	1,772	225	7,914

La Tabla presentada muestra una reducción de pietaje en los siguientes usos: Centro de Convenciones (Bloque A), Centro Corporativo de Educación (Bloque B-2), cinemas (Bloque C), oficinas (Bloque F) y comercial/ restaurante (Bloque H). Esta reducción tiene como propósito conformar el proyecto propuesto a la Declaración de Impacto Ambiental Final aprobada por la Junta de Calidad Ambiental. De igual forma, el número de estacionamientos propuestos es reducido. No obstante, el mismo cumple con lo requerido por la reglamentación vigente.

3. El proyecto según presentado para ser conformado a la Declaración de Impacto Final (DIA-F), fue referido a los siguientes agencias para comentarios:

    a. Autoridad de Energía Eléctrica – no presentó objeciones al proyecto según ahora presentados, no obstante deberá cumplir con los requisitos de dicha agencia.

b. Autoridad de Acueductos y Alcantarillados – se reitera en el endoso emitido anteriormente y se reafirma en que cuenta con la infraestructura para prestar los servicios de agua y alcantarillado sanitario que necesite el proyecto.

c. Departamento de Recursos Naturales y Ambientales - no presentó objeción al proyecto requirió el endoso de la Autoridad de Puertos; permiso de dicho Departamento para la construcción de toma de agua y una franquicia de las aguas publicas; permiso de la Junta de Calidad Ambiental para el control de erosión y sedimentación hacia los cuerpos de aguas cercanos al proyecto; cumplir en lo dispuesto en el Reglamento de Planificación Número 25 y el Reglamento de Lotificación y Urbanización, Sección 15.00 (Manejo de Aguas Pluviales) y obtener permisos del Departamento para mover material de la corteza terrestre en cumplimiento del Reglamento para la Extracción de Materiales de la Corteza Terrestre.

d. Autoridad de Carreteras y Transportación – no presentó objeción, siempre que se cumpla con comentarios de su comunicación de 9 de agosto de 2002.

e. Instituto de Cultura Puertorriqueña – solicita estudios adicionales a nivel de Fase II, en el área B. de la parcela a desarrollarse. En cuanto a la parcela A no requiere estudios adicionales.

f. Autoridad de Desperdicios Sólidos – no tiene objeción al proyecto.

g. Municipio de San Juan – aunque el municipio de San Juan originalmente señaló preocupación con relación del impacto del proyecto, sobre la infraestructura, mediante comunicación del 4 de octubre de 2002, expresó no tener objeción al proyecto ya que el mismo esta de conformidad en su Plan Territorial. Es oportuno señalar que las agencias de infraestructura, tal como surge de esta determinación de hechos endosan el proyecto.

h. Administración de Terrenos – no tiene objeción.

i. Autoridad de los Puertos – endosa el proyecto.

4. La Junta se reitera en la determinaciones de hechos de su Resolución del 13 de enero de 2000, no modificadas por la determinación de hechos de esta resolución.

En consideración a las anteriores Determinaciones de Hechos se formula las siguientes:

CONCLUSIONES DE DERECHO

1. El Artículo 1.05 de la Ley Número 351 del 3 de septiembre de 2000, según enmendada, crea la "Autoridad del Distrito del Centro de Convenciones de Puerto Rico", con el propósito de desarrollar y administrar el Centro de Convenciones de Puerto Rico. Por su parte el Artículo 6.14 de la Ley Número 351 supra, dispone lo siguiente:

> "Se le confiere a la Junta de Directores de la Compañía de Turismo de Puerto Rico todas las facultades y deberes que esta Ley le confiere a la Junta de Directores de la Autoridad hasta que la Junta de Directores de la Autoridad sea debidamente constituida. El Presidente de la Junta de Directores de la Autoridad deberá notificar oportunamente al Presidente de la Junta de Directores de la Compañía de Turismo de Puerto Rico y al Director Ejecutivo de la Compañía de Turismo de Puerto Rico que la Junta de Directores de la Autoridad ha sido debidamente constituida".

La Junta de Directores de la Autoridad del Distrito de Convenciones fue debidamente constituida, lo que fue notificado a la Junta de Directores de la Compañía de Turismo y al Director Ejecutivo de dicha Compañía. Por ello, el proyecto objeto de consulta pasa a la administración de la Junta de Directores de la Autoridad del Centro de Convenciones y este sustituye como parte proponente a la Compañía de Turismo.

2. En la Sección 1.04 de la citada Ley 351 se incluye como parte del área geográfica que comprende el Distrito del Centro de Convenciones de Puerto Rico, además de los terrenos contemplados en el proyecto que nos ocupa, el área donde enclava el Aeropuerto de Isla Grande, conocido como Aeropuerto Rivas Dominicci el que se renomina como Rivas Dominicci Executive Airport"

3. En la Resolución del Tribunal de Circuito de Apelaciones del 28 de junio de 2002, mediante la cual se denegó solicitud en reconsideración presentada por la Compañía de Turismo, se reconoce que dicha sentencia no impide que la Junta dentro del procedimiento seguido, pase a juicio de la solicitud propuesta de conformar el proyecto al contemplado en la Declaración de Impacto Ambiental evaluada y aprobada por la Junta de Calidad Ambiental.

4. La Junta de Planificación se reitera en las conclusiones de derecho de su Resolución del 13 de enero de 2000, no modificadas por las conclusiones de derecho aqué expresadas.

ACUERDO

En consideración a las anteriores determinaciones de Hechos y Conclusiones de Derecho, la Junta acuerda lo siguiente:

1. Acepta que la Compañía de Turismo sea sustituida como parte proponente por la Autoridad del Distrito del Centro de Convenciones.

2. Aprobar el proyecto según presentado el 13 de septiembre de 2002, ya que el mismo se ajusta al contemplado en la Declaración de Impacto Ambiental Final evaluada y aprobada por la Junta de Calidad Ambiental. En términos específicos el proyecto que nos ocupa se denomina "Distrito del Centro de Convenciones de Puerto Rico el cual consiste de:

A. Centro de Convenciones de Puerto Rico: (Bloque A):

Incluye como elementos principales: salón de exhibiciones, salón de baile, salón para reuniones, antesalas y áreas de trabajo trasbastidores. El estacionamiento del Centro de Convenciones será localizado aledaño a la estructura principal y proveerá 1,950 espacios. Una vez completado, el Centro de Convenciones contará con un área bruta de construcción de 121,095 metros cuadrados.

B. Paseo Urbano(Bloques B, C y H):

Bloque B-1: Construcción de un Hotel con un área de construcción 45,900 metros cuadrados, con 852 habitaciones; Uso Comercial/ Restaurantes, con un área de construcción de 7,446 metros cuadrados. Se proveerá 2,000 espacios de estacionamientos.

Bloque B-2: Uso de Oficinas con un área de construcción de 22,952 metros cuadrados; un Centro Corporativo de Educación con un área de construcción de 4,998 metros.

Bloque B-3: Se propone uso de Oficinas con un área de construcción de 22,952 metros cuadrados.

Bloque C: Se propone uso para cinemas con un área de construcción de 5,797 metros cuadrados y uso Comercial/Restaurantes, con un área de construcción de 7,241 metros cuadrados de construcción. Se proveerá 265 espacios de estacionamiento.

Bloque H: Se propone uso Comercial/ Restaurantes con un área de construcción de 2,277 metros cuadrados con 176 espacios para estacionamiento.

C. Parque Lineal (I, J):

Incluye la construcción del Museo. El proyecto del Museo fue aprobado separadamente por esta Junta mediante Consulta Número 99-18-0816-JGU-T. Además, incluye la construcción de un segundo Hotel con área de construcción de 72,276 metros cuadrados con un total de 920 habitaciones y 474 espacios para estacionamiento para la parcela J.

D. **Miramar Oeste (Bloques D, E, F, G):**

Bloque D: Incluye viviendas con un área de construcción de 31,354 metros cuadrados con un total de 225 unidades de vivienda, con 1,156 espacios de estacionamientos.

Bloque E: Incluye oficinas con un área de construcción de 7,997 metros cuadrados y 931 estacionamientos.

Bloque F: Incluye oficinas con área de construcción de 9,818 metros cuadrados y 73 estacionamientos.

Bloque G: Incluye oficinas con 2,998 metros cuadrados de área de construcción; y 320 estacionamientos.

Los demás parámetros de diseño serán conformes al plano sometido y sellado por la Junta.

3. El proyecto según aprobado está sujeto a lo siguiente:

A. La Administración de Reglamentos y Permisos determinará cuál será la próxima etapa en el trámite del Proyecto, la cual deberá cumplir con todas las disposiciones de leyes, reglamentos y normas de planificación vigentes y aplicables, así como con las normas de dicha Administración.

B. Cumplir con los requerimientos de las agencias estatales y/o federales concernidas y con las recomendaciones de la Junta de Calidad Ambiental.

C. La parte proponente podrá hacer cambios en el concepto aquí autorizado siempre y cuando no exceda el pietaje autorizado para los usos propuestos, el número de unidades y el área total en la Consulta, sin que medie autorización de la Junta.

D. El Proyecto será desarrollado por etapas a discreción de la parte proponente.

E. Se concede una vigencia de tres (3) años a la Consulta dentro de lo cual se deberá haber iniciado una primera etapa.

F. Se cumplirá con los espacios de estacionamiento requeridos conforme al Reglamento de Planificación Número 4, incluyendo el concepto de estacionamiento compartido.

G. Se coordinarán los accesos al Proyecto con la Autoridad de Carreteras y Transportación y/o Municipio de San Juan, según corresponda.

H. Se cumplirá con todas las medidas de mitigación incluidas en la Declaración de Impacto Ambiental, incluyendo el Estudio de Tránsito preparado.

I. Se coordinará con la Autoridad de Acueductos y Alcantarillados para la conexión del Proyecto a sus sistemas y para las mejoras o aportación que dicha agencia estime necesaria.

J. El movimiento de tierra a llevarse a cabo deberá mantener los rasgos topográficos lo más posible y limitarse el mismo a la porción de terreno que se considere en la aprobación del plano de construcción. Durante esta etapa se deberá mantener el área húmeda para evitar la generación de polvo fugitivo.

K. Se depositarán los desechos de materiales de construcción en vertederos autorizados por la Junta de Calidad Ambiental.

L. Se reforestarán las áreas verdes que sean despojadas de su cubierta vegetal como resultado de la construcción, cumpliendo con las disposiciones del Reglamento de Planificación Número 25.

M. Se mantendrán los camiones de carga que se utilicen para transportar material de relleno y/o construcción cubiertos mientras estén en movimiento para evitar generación de materia particulada.

N. Se observará el período de operación que establece el Reglamento para la Prevención y el Control de la Contaminación por Ruido para actividades de construcción de esta naturaleza.

O. Los vehículos y maquinarias a utilizarse en el proyecto deberán recorrer las rutas de acceso lo más distante posible de los planteles donde se encuentran realizando labores docentes y áreas clasificadas como zonas de tranquilidad ("Quiet Zones").

P. Cualquier transacción de terrenos podrá someterse ante la Administración de Reglamentos y Permisos o la Junta de Planificación, según sea el caso.

Los señalamientos anteriores se han hecho de la información disponible en estos momentos. No obstante, la Administración de Reglamentos y Permisos podrá hacer requerimientos adicionales que sean necesarios en el futuro, bien sea por situaciones que se desconocen ahora o imprevistas que pudieran surgir durante el desarrollo del Proyecto en sus distintas etapas.

DISPONIÉNDOSE, que: (1) la acción tomada por esta Junta sobre la Consulta no implica la aprobación de la etapa subsiguiente correspondiente, la cual deberá someterse a la consideración de la Administración de Reglamentos y Permisos dentro del periodo de vigencia de este informe; (2) esta aprobación tendrá un vigencia de tres (3) años a partir de la fecha de notificación de este informe; (3) de no someterse la etapa subsiguiente en la Administración de

Reglamentos y Permisos dentro del término de vigencia establecido la Consulta quedará **AUTOMÁTICAMENTE ARCHIVADA** para todos los efectos legales; (4) se dispone que, cualquier cambio en la cabida de los terrenos como resultado de una revisión de la mensura, que se mantenga dentro de un 5% de la cabida informada en la presente Consulta, se podrá corregir en los planos correspondientes y presentar ante el Registro de la Propiedad sin que medie una resolución expresa de esta Junta a tales fines.

ADVERTENCIA: Cualquier parte afectada por esta Resolución podrá radicar una **Moción o Solicitud de Reconsideración** en la Secretaría de esta Junta dentro de un término de veinte (20) días contados a partir del archivo en autos de la notificación de esta Resolución. El solicitante deberá enviar copia de tal escrito por correo certificado y acuse de recibo a todas las partes que hayan intervenido en los procedimientos y a la Administración de Reglamentos y Permisos. La parte proponente y los interventores tendrán diez (10) días naturales contados a partir de la notificación para expresarse sobre la Solicitud de Reconsideración. Si no lo hicieren dentro del término establecido, se entenderá que renuncian a su derecho de réplica.

La Junta dentro de los quince (15) días de haberse presentado dicha Solicitud de Reconsideración deberá considerarla. Si la rechazare de plano o no actuare dentro de los quince (15) días, el término para solicitar recurso de Revisión Judicial comenzará a correr nuevamente desde que se notifique dicha denegatoria o desde que expiren esos quince (15) días, según sea el caso. Si la Junta acoge la Solicitud de Reconsideración, deberá resolver la misma dentro de los noventa (90) días siguientes a la radicación de dicha solicitud. El término de treinta (30) días para solicitar Revisión Judicial comenzará a contarse desde la fecha en que se archiva en autos una copia de la notificación de la Resolución de la Junta resolviendo definitivamente la Solicitud de Reconsideración, cuya resolución deberá ser emitida y archivada en autos.

Si la Junta dejare de tomar alguna acción con relación a la Solicitud de Reconsideración dentro de los noventa (90) días de haber sido acogida bajo estudio, perderá jurisdicción sobre la misma y el término para solicitar la Revisión Judicial empezará a contarse a partir de la expiración de dicho término de noventa (90) días, salvo que la Junta, por justa causa y dentro esos noventa (90) días prorrogue el término para resolver por un período que no excederá de treinta (30) días adicionales.

De no optarse por el procedimiento de Solicitud de Reconsideración antes expuesto, la parte afectada podrá, dentro del término de treinta (30) días, contados a partir de la fecha del archivo en autos de esta Resolución, de así interesarlo, presentar Recurso de Revisión Judicial ante el Tribunal de Circuito de Apelaciones, lo anterior, en virtud de lo dispuesto en la Sección 3.15 de la Ley Núm. 170 del 12 de agosto de 1988, según enmendada.

NOTIFÍQUESE: A las partes cuyos nombres y direcciones se mencionan a continuación: Lcdo. Mario J. Pabón, Lcdo. Irwin Flashman, Compañía de Turismo, O'Neill & Borges, American Internacional Plaza, Ave. Muñoz Rivera 250, San Juan, PR 00918-1808; Lcdo. Carlos M. Declet, Centro Unido de Detallistas, Condominio El Centro I, Suite 202, Ave. Muñoz Rivera #500, San Juan, PR 00918; Omar Jiménez, Aptdo. 9021949, San Juan, PR 00902-1949; Administración de Reglamentos y Permisos, Oficina de Asesoramiento Legal, PO Box 41179, San Juan, PR 00940-1179; Romy Arroyo, PO Box 10376, San Juan, PR 00922; Gloria Balzerio de Zorrilla, PO Box 362079, San Juan, PR 00936; Celso Torre Naviera, Aptdo. 10108, San Juan, PR 00908-1108; José A. Terrasa, Comodoro Club Nautico, PO Box 9021133, San Juan, PR 00902-1133; Pridco, Ave. Roosevelt 355, San Juan, PR 00917-19; Carlos Trigo, Ave. Roosevelt, Centro Comercial Villa Caparra, Segundo Nivel, Guaynabo, PR 00965-71; Alfredo Irizarry Alcay, Inc., PO Box 19600, San Juan, PR 00910-1600; David Santiago, Pres. de Junta, Ave. Américo Miranda #1311, San Juan, PR 00921; Carmen Raspaldo, Calle Refugio #902, Santurce, PR 00907; Eduardo Ferrer, Pres., San Juan Bay Marina, PO Box 9020485, San Juan, PR 00902-0485; Gladis J. Aponte, Pres. de Junta, Cond. Castillo de Miramar, Ave. Miramar 659, Apt. 6D, Santurce, PR 00907-3447; Socorro Torres Díaz, PO Box 2991, Guaynabo, PR 00970; Emilia Holguin, Cond. Miraflores, Aptdo. 2D, Refugio 903, San Juan, PR 00908; Luis Alvin Amoros, PO Box 9023361, San Juan, PR 00902-3361; Ismael Vilar Porrata, PO Box 128, Utuado, PR 00641-0128; José A. Fernández, Ave. Ponce de León 416, Unión Plaza, Oficina 600, Hato Rey, PR 00918; Dolores Barreras, Elliot Place 601, Miramar, Santurce, PR 00907-3117; Arturo García Sola, Calle Arecibo #617, Miramar, Santurce, PR 00690; Víctor Contreras, Presidente de Junta, Condominio Pacific Manor, Calle Arecibo, PH, Santurce, PR 00907; Latino Merino, Presidente de Junta, Condominio Llaveras, Apt. 3, 621 Calle Arecibo, San Juan, PR 00908; Tomás Díaz, PO Box 9020616, San Juan, PR 00902-0616; Eugenio Geigel, PO Box 361637, San Juan, PR 00936-1637; Claudio Ortiz Arias, Urb. Colinas Verdes, Río Piedras, PR 00924; Nelly Rosario Maldonado, Calle San Diego, Urb. San Ignacio, San Juan, PR 00907; Carlos Lazaro García, Ave. Miramar 704, Santurce, PR 00907; Esther Moreno Bonnet, Cond. Kinas Court 81, Aptdo. 3B, San Juan, PR 00911; Arturo Fossas Dávia, Ave. Ponce de León 1519, Edif. First Bank, Ofic. 303, San Juan, PR 00909; Eddie Vélez Cuevas, Cond. Royal House, Calle Central PH-2, San Juan, PR 00907; Graciela Rodríguez Arones, 710 Calle Central, San Juan, PR 00907; Margarita Lugo, 650 Ave. Fernández Juncos, Apto. #3, Santurce, PR 00907; Nadine Salás, Presidente de Junta, Condominio San Antonio Apt. 601,

712 Calle Central, Santurce, PR 00907; Amelia Tedeschi, Cond. Laguna Terrace, Calle Joffre #6, Apto. 12B, Santurce, PR 00907; Ramón Del Valle, PO Box 71350, San Juan, PR 00936; Rita Rodríguez Pérez, Calle 8 E-15, Urb. Tintillo Gardens, Guaynabo, PR 00966; Luis A. Pérez González, Central 706 Apto.1, San Juan, PR 00907; Hjalmar Flax, Presidente de Junta, Cond. La Torre, Ave. Miramar 709, Apto. 10B, San Juan, PR 00907; Sucn. Eloisa Mendia, Urb. Tintillo Gardens, A-45 Calle 2, Guaynabo, PR 00966; Ivette Martínez Palma, Presidente de Junta, Cond. Miramar 703, Apto. 102, Ave. Miaramar, Santurce, PR 00907; Tomás Díaz, PO Box 9020616, San Juan, PR 00902-0616; Carlos Esteva, PO Box 361135, San Juan, PR 00936-1135; Nancy Rodríguez, 2070 Ave. Las Américas, Suite 251, Ponce, PR 00717; Bernardo Hogan Dean, Central 702, Miramar, Santurce, PR 00907; Francisco Merino Gancía, Santos #54, Arecibo, PR 00614; Syra Blanes De Ortiz, Edif. Colgado Palmolive, Suite 304 Metro Office Park, Guaynabo, PR 00968; Carlos M. Suárez, PO Box 9020, Santurce, PR 00907; René Pinto Lugo, PO Box 9024098, San Juan, PR 00902-4098; Carmen Luiña Díaz, Presidente de Junta, Cond. Elliot Hill, Elliot Place Apt. 1-B, Santurce, PR 00907; Lcdo. Yusif Mafuz Blanco, División de Expropiaciones, Departamento de Justicia, PO Box 9020192, San Juan, PR 00902-0192; Gloria Rodríguez, Edificio Moreno Rodríguez, Calle Olimpo 608 PH, Santurce, PR 00907-3120; Arlene Gondswetter, PO Box 111299, San Juan, PR 00912-1299; Pedro García, Cond. Miramar 700, Apto. 403, San Juan, PR 0902; José Betancourt, Calle Acadia 09, Urb. Park Gardens, Río Piedras, PR 00926; Mathew Lipusuck, PO Box 9022081, San Juan, PR 00902-2081; Dulce María Cedano, PO Box 9893, Pda. 18, Santurce, PR 00918; Isidro Barros, PO Box 8689, Santurce, PR 00918; Eugenio Fernández Cerra, Calle Olimpo 612, Miramar, Santurce, PR 00907; Jesús Regus Santiago, PO Box 13031, Santurce, PR 00918-3031; Fred Reichard Correa, Calle Olimpo 614, Miramar, San Juan, PR 00907-3120; Katarina Stipec Rubio, Presidente de Junta, Cond. Olimpo, 610 Calle Olimpo, Buzón C, Santurce, PR 00907-3114; Dinorah Pérez Chapuy, PO Box 9594, San Juan, PR 00908-0594; Manuel López Ponds, Ave. De Diego 312, Ofic.. 502 Pda. 22, Santurce, PR 00907; George Vélez, PO box 9022285, San Juan, PR 00902-2285; Luis Sousa Mora, Presidente de Junta, Cond. Miramar 656, Apto. 5A, Santurce, PR 00907; Consuelo Vanderlinde PO Box 10015, Santurce Sta., San Juan, PR 00908; Pura Reverón Fuentes, Cond. Roosevelt 615, Apt. 4-B, Santurce, PR 00907; Francisco Castro Amy, Calle Olimpo 616, Apto. 1, Miramar, San Juan, PR 00907; Eugenio Gill, Presidente de Junta, Cond. Hilltop Mansión, Apt. 1603, Santurce, PR 00907; Gloria García, Presidente García, Presidente de Junta, Cond. La Alambra, Apt. 6-B, Santurce, PR 00907-

08; Ivan Fracinetti, Presidente de Junta, Cond. Water View 613, Ave. Ponce de León, Santurce, PR 00907; Moraima M. Méndez, 702 Roosevelt St., Apt 102, San Juan, PR 00907; Ferdinand Quiñones, CSA Group, Mezanine Suite Mercantil Plaza, San Juan, PR 00918; Héctor Lavergne, PO Box 195374, San Juan, PR 00919-5374; TOM Ennen, Convencional Wisdom Corp., 2111 Athens Street, Sout Boston, MA 02127; José J. Terrasa, 107- Luna 1-B, Viejo San Juan, San Juan, PR 00901; Pedro A. López, Ave. Chardón 707, Hato Rey, San Juan, PR 00918; Rene Flores, Compañía de Turismo, Paseo de la Princesa, San Juan, PR 00901; Giovanni Ruiz, PO box 9020163, San Juan, PR 00902-0163; Luis Fernández Solano, PO Box 9020163, San Juan, PR 00902-0163; Angel Rivera, PRIDCO, 355 Ave. F.D. Roosevelt, Hato Rey, PR 00918; Frank A. Dalmau, 2070 Buenos Aires, Santurce, PR 00911; Lcda. Leonor Porrata Doria, Suite 1420 Edif. First Federal, Hato Rey, PR 00918; Arq. Roberto Alsina, Director, Municipio de San Juan, Departamento de Urbanismo, PO Box 9424100, San Juan, PR 00902-4100; Pablo Ojeda O'Neill, 654 Roosevelt, Miramar, San Juan, PR 00901; Lillian Riera, Pinto, Lugo & Rivera, PO Box 902498, San Juan, PR 00902; Luis A. Cruz, PO Box 9020192, San Juan, PR 00901; David Santiago, 1311 Américo Miranda, San Juan, PR 00921; Lina M. Dueño, PO Box 361026, San Juan, PR 00936; Raúl Esteva, PO Box 1514, Arecibo, PR 00613; Ida Zayas, Cond. Llavaneros, Apto. 2-A, San Juan, PR 00918; Edelmiro Salas garcía, PO Box 194020, San Juan, PR 00919-4020; Lilly Castro Marengo, Calle Concordia 655, Miramar, PR 00907; Francisco Umpierre, Calle Refugio 903, Apt. 2-E, Miramar, PR 00907; Marisol Laureano, PO Box 9021302, San Juan, PR 00902-1302; Yanzel Muñiz, Aptdo. 12144, San Juan, PR 00914-0144; Antonio García, 709 Calle Estado Apt. 5, Miramar, PR 00907; Claudia Vicente, 709 C/Estado Apt. 5, Miramar, PR 00907; Carlos López Atienza, C/ 1 H-3, Prado Alto, Guaynabo, PR 00957; Raúl Esteva, PO Box 1514, Arecibo, PR 00613; Libia Pabón Canting, 612 Calle Arecibo, Esq. Elliot Plaza, Apt. 1-B, Miramar, PR 00907; Antonio Fernández, Atenas H-109, Ext. Forest Hills, Bayamón, PR 00959; Luis D. Alessio, PO box 19441, San Juan, PR 00919-4741; Juan M. Moscoso, Elliot 604 Apt. 2-B, Miramar, PR 00907; Mayrelis Carrasquillo, Calle 16 P-27, Santa Jane, Lajas, PR 00667; Lcdo. Joarick S. padilla Aviles, 1111 Ave. Jesús T. Piñero, San Juan, PR 00920-5605; Lcda.. Maretza Rodríguez Portela, PO Box 699, Caguas, PR 00726; Miltón Segarra Pancorbo, Director Ejecutivo, Compañía de Turismo, Aptdo. 902-3960, Estación Viejo San Juan, PR San Juan, PR 00902-3960; Tren Urano, 398 Ave. Jesús T. Piñero, San Juan, PR 00918; David González, Presidente de Junta, Cond. Casablanca, Apt. 3-C Calle Refugio 901, Santurce, PR 00907; Administración de

Propiedades, Aptdo. 41269, San Juan, PR 00940-1269; Lcdo. José R. Lazaro Paoli, PO Box 19295, Fernández Juncos Sta., San Juan, PR 00910-1295; Julio Ghigliotti, PO Box 90661688, San Juan, PR 00906; Elsa Colberg, Presidente de Junta, Cond. El Cid, Miramar 660, San Juan, PR 00907; Carmen M. Ruiz, PO Box 40865, Minillas Station, San Juan, PR 00904; Fernández Paoli, Martinal Real Estate Corp., 701 Ave. Ponce de León, Centro de Seguros Building, Santurce, PR 00907; Autoridad de Puertos, PO Box 362829, San Juan, PR 00936; Francisco J. Umpierre, Cond. Miraflores, Apto. 1E, Refugio 903, Santurce, PR 00907; Lcdo. Daniel Martínez Oquendo, Ave. Jesús T. Piñero 1111, San Juan, PR 00920-5605. Notifíquese además, copia de cortesía a todas las personas cuyos nombres y direcciones obran en el expediente administrativo.

por: **ANGEL D. RODRÍGUEZ**
Presidente

CERTIFICO: Que he notificado copia fiel y exacta de la presente resolución, bajo mi firma y el sello oficial de esta Junta, a todas las partes mencionadas en el Notifíquese habiendo archivado el original en autos.

En San Juan, Puerto Rico, hoy 15 OCT 2002

Carmen Torres Meléndez
Secretaria

ESTADO LIBRE ASOCIADO DE PUERTO RICO
OFICINA DE LA GOBERNADORA
JUNTA DE PLANIFICACION

.GOBIERNO DE PUERTO RICO
OFCINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

IN RE:	*	*R-99-31-2*
	*	
COMPAÑIA DE TURISMO	*	*SOBRE: DIA-JCA-99-0018(CT)*
	*	*PROYECTO NUEVO DISTRITO*
	*	*DEL CENTRO DE CONVENCIONES*
Agencia Proponente	*	*DE PUERTO RICO*
	*	

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RESOLUCION Y NOTIFICACION

En reunión celebrada el 31 de agosto de 1999 se sometió ante la consideración de la Junta de Gobierno de la Junta de Calidad Ambiental el análisis de la Declaración de Impacto Ambiental Final sometida para la acción descrita en el epígrafe, en cumplimiento con el Artículo 4-C de la Ley Sobre Política Pública Ambiental, Ley Número 9 del 18 de junio de 1970, según enmendada.

Luego de discutidos todos los méritos de esta Declaración de Impacto Ambiental Final y al amparo de los poderes y facultades que le confiere a esta Junta de Calidad Ambiental la Ley Número 9 del 18 de junio de 1970, Ley Sobre Política Pública Ambiental, según enmendada por la presente esta Junta RESUELVE:

Que la Declaración de Impacto Ambiental Final sometida por la agencia proponente para el presente proyecto cumple con todos los requisitos de ley y reglamento, y en específico, con los requerimientos hechos en la Resolución R-99-7, a la luz de las recomendaciones esbozadas en el Informe del Panel Examinador.

Por tanto, resolvemos que la agencia proponente, Compañía de Turismo, ha dado cumplimiento con el Artículo 4-C de la Ley Sobre Política Pública Ambiental y con el Reglamento sobre Declaraciones de Impacto Amnbiental de la Junta de Calidad Ambiental, dando así por terminado el proceso de evaluación del documento ambiental de referencia.

Por otro lado, con el propósito de una mejor realización de la acción propuesta en su etapa posterior de operación y/o construcción se emiten las siguientes recomendaciones:

1. Cumplir con las recomendaciones y requisitos emitidos por las agencias consultadas.

2. Previo a dar comienzo a la construcción o efectuar algún movimiento de tierra, deben obtener de esta Junta los siguientes permisos:

a. Permiso Fuente de Emisión (PFE) para el polvo fugitivo durante la fase de construcción.

b. Para realizar una Actividad Generante de Desperdicios Sólidos (Formulario DS-3).

c. Permiso para el Control de la Erosión y Prevención de la Sedimentación.

3. Si durante el desarrollo de las diferentes fases del proyecto se encuentran depósitos arqueológicos, los mismos deberán ser informados inmediatamente al Instituto de Cultura Puertorriqueña y a la Oficina de Preservación Histórica Estatal (SHPO, por sus siglas en inglés).

4. Deberá cumplir con el plan de mitigación aprobado por Departamento de Recursos Naturales y Ambientales (DRNA), en cumplimiento con el Reglamento de Siembra, Corte y Forestación.

5. De instalarse sistemas de generación de energía eléctrica de emergencia para suplir el proyecto en casos donde la energía eléctrica falte deberá:

   a. Obtener un Permiso Fuente de Emisión (PFE) para la instalación y operación de la planta eléctrica de emergencia.

   b. Presentar un Plan de Emergencia ante el Area de Calidad de Agua, reflejando la acción a tomar para evitar, controlar y remediar derrames de combustible producto del tanque para almacenaje de combustible que será instalado sobre tierra en las inmediaciones del proyecto.

6. Si durante la construcción u operación de la facilidad, existen actividades que generen o almacenen aceites usados, deben realizarse en cumplimiento con la nueva Ley 172, Ley para el Manejo de Aceites Usados en Puerto Rico. Además, si almacenan aceite en cantidades mayores de 55 galones, deberá registrarse como generador de dicho desperdicio en la Junta de Calidad Ambiental y someter una solicitud de Permiso para operar Centros de Recolección de Aceite Usado (Formulario DS-2).

7. De tener alguna descarga de escorrentía a cualquier cuerpo de agua durante la construcción, deberán consultar con la Agencia Federal de Protección Ambiental para determinar si dicha descarga requiere un permiso "NPDES" de acuerdo al Código Federal de Reglamentación Número 40, Sección 122.26 (b) (14) (x).

8. El almacenaje, manejo y disposición de los desperdicios sólidos a generarse durante la fase de construcción y operación del proyecto, debe realizarse en conformidad con la reglamentación vigente.

9. Previo al inicio de la construcción deberá realizar la coordinación correspondiente con la Compañía de Aguas de Puerto Rico para la conexión del proyecto propuesto de manera que la planta de tratamiento de aguas usadas a la cual planean conectarse, las líneas y troncales estén en condiciones de aceptar la descarga de las aguas usadas a ser generadas durante la fase operacional del proyecto. Esto incluye obtener todos los permisos necesarios de dicha agencia, previo a su conexión.

10. El proponente deberá evitar generar olores objetables que puedan afectar la atmósfera comunal.

11. Durante la fase de construcción, deberán tomar las medidas necesarias para evitar que residuos de sustancias orgánicas e inorgánicas tales como: aceites, combustibles u otras sustancias químicas, puedan ser arrastradas por la escorrentía y ganen acceso a cualquier cuerpo de agua o al sistema pluvial.

12. Deberán obtener un permiso del Cuerpo de Ingenieros del Departamento del Ejército de los Estados Unidos, conforme a la Ley de Rios y Puertos del 1899 y la Sección 404 de la Ley Agua Limpia **(Clean Water Act)**.

13. En el caso del establecimiento de cualquier tanque provisional o permanente para almacenar hidrocarburos, deberán consultar con la División de Permisos e Ingeniería del Area de Calidad de Agua de esta Junta si fuera sobre bases de hormigón, con el Programa de Control de la Inyección Subterránea si fuera sobre el terreno o con el Programa para el Control de Tanques Soterrados si fuera soterrado.

14. Debido a que el mantenimiento de las áreas verdes estará sujeto al uso de fertilizantes y plaguicidas, se recomienda desarrollar un Plan de Mejores Prácticas de Manejo para el uso de estos, y así evitar o minimizar el posible impacto al ambiente y a los recursos de agua superficiales y subterráneos.

15. La reglamentación vigente no permite el disponer los desperdicios de pinturas, grasas, aceites o compuesto químicos, como disolventes, detergentes, ni combustibles en el sistema de disposición de las aguas usadas o por el alcantarillados pluvial, por lo que deberán proveer al proyecto de un receptáculo adecuado para el recogido de éstos.

16. De tener alguna descarga de contaminantes incluyendo aguas de lavado entre otros a algún cuerpo de agua deberán consultar con la Agencia Federal de Protección Ambiental (EPA por sus siglas en inglés) para determinar si se requiere la obtención de un Permiso Federal de Descarga "NPDES".

17. Si se instalan tanques de almacenaje de combustible gaseoso con capacidad mayor de 500 galones, deberán obtener un Permiso Fuente de Emisión.

18. Durante las fases de construcción y operación del proyecto, se debe cumplir con el Reglamento para el Control de la Contaminación por Ruido, en lo relacionado al nivel de sonido máximo permitido.

19. Respecto a los materiales que se puedan generar, durante la construcción y operación, deberá consultar a la Autoridad para el Manejo de los Desperdicios Sólidos con el fin de orientarse sobre alternativas existentes para el manejo y reciclaje de éstos.

20. Cualquier cambio al proyecto propuesto, deberá ser evaluado y radicado ante esta Junta como una enmienda a este documento ambiental.

Se apercibe a las partes del epígrafe que la parte afectada por esta Resolución podrá acudir al Tribunal de Circuito de Apelaciones en treinta (30) días para revisión judicial o podrán radicar una Moción de Reconsideración de esta Resolución en un término de veinte (20) días desde la fecha del archivo en autos. El solicitante deberá enviar copia de tal escrito por correo certificado y acuse de recibo a todas las partes que hayan

intervenido en los procedemientos. Estos últimos tendrán diez (10) días naturales contados a partir de la notificación para expresarse sobre la solicitud de reconsideración. Si no lo hicieran dentro del término establecido, se entenderá que renuncian a su derecho de réplica.

La Junta dentro de los quince (15) días, de haberse presentado dicha moción deberá considerarla. Si la rechazare de plano o no actuare dentro de los quince (15) días, el término para instar Recurso de Apelación comenzará a correr nuevamente desde que se notifique dicha denegatoria o desde que expiren esos quince (15) días, según sea el caso. Si se tomare alguna determinación en su consideración, el término para instar Recurso de Apelación empezará a contarse desde la fecha de la notificación de la Resolución de la Junta resolviendo definitivamente la moción cuya Resolción deberá ser emitida y archivada en autos dentro de los noventa (90) días subsiguientes a la radicación de la moción. Si la Junta dejare de tomar alguna acción en relación con la Moción de Reconsideración dentro de los noventa (90) días de haber sido radicada una moción acogida para estudio, el término para instar Recurso de Apelación comenzará a contarse a partir de la expiración de dicho término de noventa (90)
días, salvo que el Tribunal, por justa causa, autorice a la Junta una prórroga para resolver por un tiempo razonable.

NOTIFIQUESE A: Ing. Jorge Dávila, Director Ejecutivo Compañía de Turismo, P.O. Box 902-3960 Old San Juan Station, San Juan, Puerto Rico 008902-3960; a todos los deponentes con dirección postal en el expediente; y personalmente a los siguientes funcionarios de la Junta de Calidad Ambiental: Ing. Luis Rubén Rodríguez, Vicepresidente; Agro. Maribelle Marrero, Miembro Asociado; Lcda. Jeniffer Mayo, Asesora Legal; Lcdo. Davir Bernier, Director Oficina de Servicios Legales; y a la Sra. Lucinia Ghigliotty, Directora Area de Asesoramiento Científico.

DADA en San Juan, Puerto Rico, a 31 de agosto de 1999.

HECTOR RUSSE MARTINEZ
Presidente

Appendix B – User's Questionnaire

CMA
ARCHITECTS &
ENGINEERS LLC

Parcel F Hotel, LLC
San Juan, Puerto Rico

User Questionnaire

In order to qualify for one of the ***Landowner Liability Protections (LLPs)*** offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the ***"Brownfields Amendment"),*** the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that ***"all appropriate inquiries"*** are not complete.

1. **Environmental liens that are filed or recorded against the property (40 CFR 312.25).** Did a search of recorded land title records (or judicial records where appropriate; identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law?

   No

2. **Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)).** Did a search of recorded land title records (or judicial records where appropriate, see Note 1 above) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

   No

CMA
ARCHITECTS &
ENGINEERS LLC

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).** Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No

4. **Relationship of the purchase price to the fair market value of the *property if it* were not contaminated (40 CFR 312.29).** Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property.

No

5. **Commonly known or rea*sonably ascertainable i*nformation about the *property* (40 CFR 312.30).** Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

a. Do you know the past uses of the property? Yes, it is currently a parking lot.

b. Do you know of specific chemicals that are present or once were present at the property? No

c. Do you know of spills or other chemical releases that have taken place at the property? Yes,I know of a small mitigation that was done to remove a diesel tank when the parking lot was getting built.

d. Do you know of any environmental cleanups that have taken place at the property? Yes, the mitigation that was done when the diesel tank was removed.

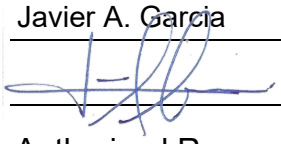
CMA
ARCHITECTS &
ENGINEERS LLC

6. **The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).** Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?

No

Completed by:

Name: Javier A. Garcia

Signature: 

Title: Authorized Representative

Company: Parcel F Hotel, LLC

Date: 10.3.2023

Appendix C – EDR Radius Report

Parcel F Hotel, LLC
Boulevard Baldorioty DE Castro
San Juan, PR 00907

Inquiry Number: 7446765.2s
September 18, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BOULEVARD BALDORIOTY DE CASTRO
SAN JUAN, PR 00907

COORDINATES

Latitude (North):	18.4559550 - 18° 27' 21.43''
Longitude (West):	66.0870710 - 66° 5' 13.45''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	807679.2
UTM Y (Meters):	2042986.6
Elevation:	10 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12367789 SAN JUAN, PR
Version Date:	2018

MAPPED SITES SUMMARY

Target Property Address:
BOULEVARD BALDORIOTY DE CASTRO
SAN JUAN, PR 00907

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	OLD NAVAL BASE	MIRAMAR	LUST	Higher	476, 0.090, SE
A2	ABARCA WAREHOUSE COR	MIRAMAR	UST	Higher	476, 0.090, SE
3	WORLD COM	665 PONCE DE LEON AV	UST	Higher	513, 0.097, ENE
4	ECOLIFT CORP	AEROPUERTO ISLA GRAN	RCRA-VSQG, FINDS, ECHO	Higher	672, 0.127, WSW
5	PUERTO RICO ARMY NAT	HANGAR 21 ISLA GRAND	FINDS, ECHO, PFAS ECHO	Higher	992, 0.188, West
6	ACADEMIA PERPETUD SO	704 CALLE MARTI	RCRA-SQG	Higher	1112, 0.211, SSE
7	SAN JUAN GAS COMPANY	AVE EXPRESO MARGINAL	LUST	Higher	1747, 0.331, SSE
8	TALLER DE MECANICA S	CALLE PROLONGACION L	LUST	Higher	2155, 0.408, SSE
9	CARIBE HILTON	SAN GERONIMO, GROND	LUST	Lower	2201, 0.417, North
10	TOTAL PBL #115080	AVE EXPRESO SUR, PDA	LUST	Higher	2353, 0.446, SSE
11	SCHWANN BATTERY NO 2		FUDS	Lower	2437, 0.462, NNE
12	NAVAL STATION SAN JU		FUDS	Higher	2929, 0.555, West
13	ANTILLIES ENGINEERIN		FUDS	Higher	3360, 0.636, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

EXECUTIVE SUMMARY

Lists of state- and tribal hazardous waste facilities

SHWS ---- This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

Lists of state and tribal leaking storage tanks

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
US CDL ---- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA NonGen / NLR ---- RCRA - Non Generators / No Longer Regulated
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act

TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS TRIS	List of PFAS Added to the TRI
MINES MRDS	Mineral Resources Data System
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACADEMIA PERPETUD SO EPA ID:: PRR000021527	704 CALLE MARTI	SSE 1/8 - 1/4 (0.211 mi.)	6	13

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ECOLIFT CORP EPA ID:: PRN008026452	***AEROPUERTO ISLA GRAN***	***WSW 1/8 - 1/4 (0.127 mi.)***	***4***	***7***

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks.

A review of the LUST list, as provided by EDR, and dated 09/24/2020 has revealed that there are 5

LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OLD NAVAL BASE Facility Id: 86-0076	MIRAMAR	SE 0 - 1/8 (0.090 mi.)	A1	7
SAN JUAN GAS COMPANY Facility Id: 94-0162	AVE EXPRESO MARGINAL	SSE 1/4 - 1/2 (0.331 mi.)	7	17
TALLER DE MECANICA S Facility Id: 98-0067	CALLE PROLONGACION L	SSE 1/4 - 1/2 (0.408 mi.)	8	18
TOTAL PBL #115080 Facility Id: 86-1126	AVE EXPRESO SUR, PDA	SSE 1/4 - 1/2 (0.446 mi.)	10	18

Lower Elevation	Address	Direction / Distance	Map ID	Page
CARIBE HILTON Facility Id: 86-1437	SAN GERONIMO, GROND	N 1/4 - 1/2 (0.417 mi.)	9	18

Lists of state and tribal registered storage tanks

UST: UST Facilities.

A review of the UST list, as provided by EDR, and dated 01/01/2008 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ABARCA WAREHOUSE COR Facility Id: 2-860774 Tank Status: Permanently Out of Use	MIRAMAR	SE 0 - 1/8 (0.090 mi.)	A2	7
WORLD COM Facility Id: 2-860026 Tank Status: Currently in Use	665 PONCE DE LEON AV	ENE 0 - 1/8 (0.097 mi.)	3	7

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/08/2023 has revealed that there are 3 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAVAL STATION SAN JU		W 1/2 - 1 (0.555 mi.)	12	19
ANTILLIES ENGINEERIN		NW 1/2 - 1 (0.636 mi.)	13	20

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHWANN BATTERY NO 2		NNE 1/4 - 1/2 (0.462 mi.)	11	19

EXECUTIVE SUMMARY

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 03/30/2023 has revealed that there is 1 PFAS ECHO site within approximately 0.25 miles of the target property.

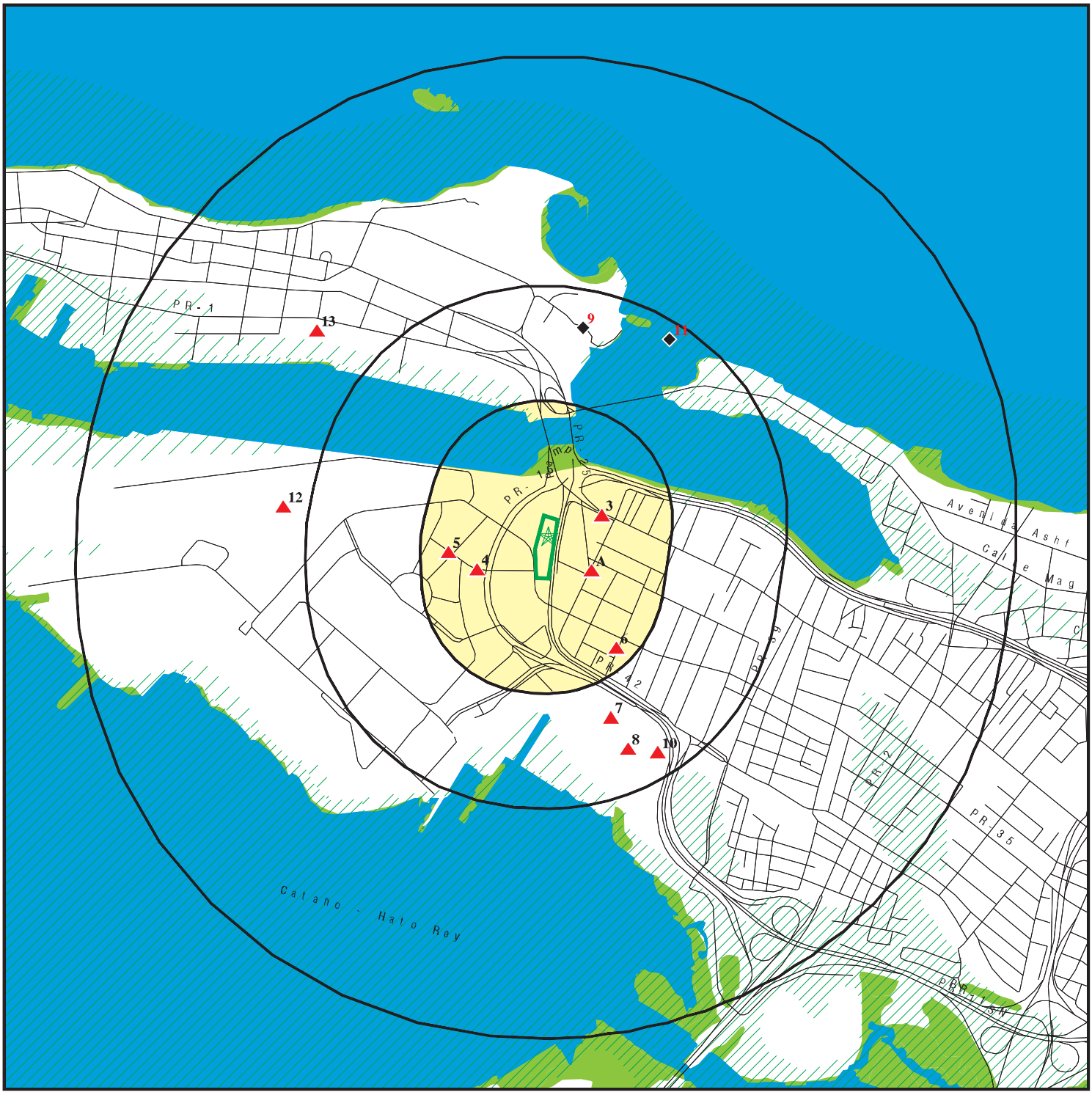
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUERTO RICO ARMY NAT	*HANGAR 21 ISLA GRAND*	*W 1/8 - 1/4 (0.188 mi.)*	*5*	*10*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 13 records.

Site Name	Database(s)
UNITED STATES COAST GUARD SECTOR S	CORRACTS, RCRA-TSDF, RCRA-SQG, MANIFEST
"NEW" ARMY AVIATION SUPPORT	SEMS-ARCHIVE, DOCKET HWC
PUERTO NUEVO S/S #220	LUST
COMPLEJO MEDICO SOCIAL ANTILLANA	LUST
ESSO CO-015	LUST
PUMA S/S #937	LUST
TEXACO S/S #223	LUST
LOM SERVICE STATION	LUST
ING. LUIS R. CANETTI	LUST
COCINA CENTRAL C. MEDICO	LUST
ESSO 035	LUST
CORREO HATO REY	LUST
ANTIGUA BASE NAVAL	LUST

OVERVIEW MAP - 7446765.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Parcel F Hotel, LLC	CLIENT:	CMA Architects & Engineers LLP
ADDRESS:	Boulevard Baldorioty DE Castro San Juan PR 00907	CONTACT:	Pedro A Janer
LAT/LONG:	18.455955 / 66.087071	INQUIRY #:	7446765.2s
		DATE:	September 18, 2023 11:24 am

DETAIL MAP - 7446765.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Parcel F Hotel, LLC	CLIENT:	CMA Architects & Engineers LLP
ADDRESS:	Boulevard Baldorioty DE Castro San Juan PR 00907	CONTACT:	Pedro A Janer
LAT/LONG:	18.455955 / 66.087071	INQUIRY #:	7446765.2s
		DATE:	September 18, 2023 11:25 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
Lists of state and tribal leaking storage tanks								
LUST	0.500		1	0	4	NR	NR	5
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		2	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	1	2	NR	3
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	1	NR	NR	NR	1
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	3	3	5	2	0	13

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

A1
SE
< 1/8
0.090 mi.
476 ft.

OLD NAVAL BASE
MIRAMAR
SANTURCE, PR

Site 1 of 2 in cluster A

LUST **S103553743**
N/A

Relative:
Higher

Actual:
52 ft.

PR LUST:

Name:	OLD NAVAL BASE
Address:	MIRAMAR
City,State,Zip:	SANTURCE, PR
Facility ID:	86-0076
Status:	ACTIVE
Released:	No
Released Date:	Not reported
How Known:	Product in Well
Date Known:	20-May-98
Owner Name:	General Services Transport

A2
SE
< 1/8
0.090 mi.
476 ft.

ABARCA WAREHOUSE CORP.
MIRAMAR
SAN JUAN, PR 00901

Site 2 of 2 in cluster A

UST **U003429938**
N/A

Relative:
Higher

Actual:
52 ft.

UST:

Facility ID:	2-860774
Tank Status:	Permanently Out of Use
Substance Description:	Not Listed

3
ENE
< 1/8
0.097 mi.
513 ft.

WORLD COM
665 PONCE DE LEON AVE.
SAN JUAN, PR 00907

UST **U003429380**
N/A

Relative:
Higher

Actual:
18 ft.

UST:

Facility ID:	2-860026
Tank Status:	Currently in Use
Substance Description:	Not reported

4
WSW
1/8-1/4
0.127 mi.
672 ft.

ECOLIFT CORP
AEROPUERTO ISLA GRANDE
SAN JUAN, PR 00907

RCRA-VSQG **1016678670**
FINDS **PRN008026452**
ECHO

Relative:
Higher

Actual:
10 ft.

RCRA Listings:

Date Form Received by Agency:	20140306
Handler Name:	Ecolift Corp
Handler Address:	AEROPUERTO ISLA GRANDE
Handler City,State,Zip:	SAN JUAN, PR 00907
EPA ID:	PRN008026452
Contact Name:	ERNESTO DI GREGORIO
Contact Address:	PO BOX 9065517
Contact City,State,Zip:	SAN JUAN, PR 00906
Contact Telephone:	787-723-3771
Contact Fax:	787-723-4774

ECOLIFT CORP (Continued) **1016678670**

Contact Email:	Not reported
Contact Title:	OWER CEO
EPA Region:	02
Land Type:	Not reported
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 9065517
Mailing City,State,Zip:	SAN JUAN, PR 00906
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140318
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

ECOLIFT CORP (Continued) **1016678670**

Historic Generators:
- Receive Date: 20140306
- Handler Name: ECOLIFT CORP
- Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
- Found Violation: No
- Agency Which Determined Violation: Not reported
- Violation Short Description: Not reported
- Date Violation was Determined: Not reported
- Actual Return to Compliance Date: Not reported
- Return to Compliance Qualifier: Not reported
- Violation Responsible Agency: Not reported
- Scheduled Compliance Date: Not reported
- Enforcement Identifier: Not reported
- Date of Enforcement Action: Not reported
- Enforcement Responsible Agency: Not reported
- Enforcement Docket Number: Not reported
- Enforcement Attorney: Not reported
- Corrective Action Component: Not reported
- Appeal Initiated Date: Not reported
- Appeal Resolution Date: Not reported
- Disposition Status Date: Not reported
- Disposition Status: Not reported
- Disposition Status Description: Not reported
- Consent/Final Order Sequence Number: Not reported
- Consent/Final Order Respondent Name: Not reported
- Consent/Final Order Lead Agency: Not reported
- Enforcement Type: Not reported
- Enforcement Responsible Person: Not reported
- Enforcement Responsible Sub-Organization: Not reported
- SEP Sequence Number: Not reported
- SEP Expenditure Amount: Not reported
- SEP Scheduled Completion Date: Not reported
- SEP Actual Date: Not reported
- SEP Defaulted Date: Not reported
- SEP Type: Not reported
- SEP Type Description: Not reported
- Proposed Amount: Not reported
- Final Monetary Amount: Not reported
- Paid Amount: Not reported
- Final Count: Not reported
- Final Amount: Not reported

ECOLIFT CORP (Continued) **1016678670**

Evaluation Action Summary:

Evaluation Date:	20140306
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CEV
Evaluation Responsible Sub-Organization:	PRHWCD
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110059663582

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016678670
Registry ID:	110059663582
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110059663582
Name:	ECOLIFT CORP
Address:	AEROPUERTO ISLA GRANDE
City,State,Zip:	SAN JUAN, PR 00907

---

5 West 1/8-1/4 0.188 mi. 992 ft.

PUERTO RICO ARMY NATIONAL GUARD - ARMY AVIATION SU **FINDS** **1016238273**
HANGAR 21 ISLA GRANDE **ECHO** **N/A**
SAN JUAN, PR 00901 **PFAS ECHO**

Relative: Higher

Actual: 10 ft.

FINDS:
Registry ID: 110007803797

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Compliance Database (NCDB) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA).
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated,

PUERTO RICO ARMY NATIONAL GUARD - ARMY AVIATION SUPPORT FACI (Continued) **1016238273**

transported, or released into the environment, and includes information about waste management and pollution prevention activities.
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.
THE SUPERFUND ENTERPRISE MANAGEMENT SYSTEM (SEMS) INTEGRATES MULTIPLE LEGACY SYSTEMS INTO A COMPREHENSIVE TRACKING AND REPORTING TOOL, PROVIDING DATA ON THE INVENTORY OF ACTIVE AND ARCHIVED HAZARDOUS WASTE SITES EVALUATED BY THE SUPERFUND PROGRAM. IT CONTAINS SITES THAT ARE EITHER PROPOSED TO BE OR ARE ON THE NATIONAL PRIORITIES LIST (NPL) AS WELL AS SITES THAT ARE IN THE SCREENING AND ASSESSMENT PHASE FOR POSSIBLE INCLUSION ON THE NPL.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016238273
Registry ID:	110007803797
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110007803797
Name:	PUERTO RICO ARMY NATIONAL GUARD - ARMY AVIATION SUPPORT FACILITY
Address:	HANGAR 21 ISLA GRANDE
City,State,Zip:	SAN JUAN, PR 00901

PFAS ECHO:

Name:	PUERTO RICO ARMY NATIONAL GUARD - ARMY AVIATION SUPPORT FACILITY
Address:	Not reported
City,State,Zip:	SAN JUAN, PR
Latitude:	18.454961
Longitude:	-66.089421
Count:	1
County:	SAN JUAN
Status:	Active
Region:	02
Industry:	National Defense
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110007803797
Facility Percent Minority:	98.037
Facility Derived Tribes:	-

PUERTO RICO ARMY NATIONAL GUARD - ARMY AVIATION SUPPORT FACI (Continued) **1016238273**

Facility Population:	8700.71
EPA Programs:	RCRA
Federal Facility:	Yes
Federal Agency:	-
Facility FIPS Code:	72127
Facility Indian Country Flag:	N
Facility Collection Method:	GDT-ADDRESS MATCHING (GEOCODING)
Facility Derived HUC:	21010005
Facility Derived WBD:	210100050501
Facility Derived CD113:	00
Facility Derived CB2010:	721270042001023
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	5/22/2014
Facility Days Last Inspection:	3,229
Facility Informal Count:	0
Facility Date Last Informal Action:	-
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	PR7570043110
RCRA Permit Types:	VSQG
RCRA NAICS:	92811
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	00904RMYVTISLAG
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%

PUERTO RICO ARMY NATIONAL GUARD - ARMY AVIATION SUPPORT FACI (Continued) **1016238273**

7B%22x%22:-66.089421,%22y%22:18.454961,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

6
SSE
1/8-1/4
0.211 mi.
1112 ft.

ACADEMIA PERPETUD SOCORRO
704 CALLE MARTI
SAN JUAN, PR 00907

RCRA-SQG **1010787863**
PRR000021527

Relative:
Higher

Actual:
34 ft.

RCRA Listings:

Date Form Received by Agency:	20080323
Handler Name:	Academia Perpetud Socorro
Handler Address:	CALLE MARTI
Handler City,State,Zip:	SAN JUAN, PR 00907
EPA ID:	PRR000021527
Contact Name:	ENID Y PEREIRA
Contact Address:	CALLE MARTI
Contact City,State,Zip:	SAN JUAN, PR 00907
Contact Telephone:	787-721-4540
Contact Fax:	Not reported
Contact Email:	EPEREIRA@PERPETUD.OR
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CALLE MARTI
Mailing City,State,Zip:	SAN JUAN, PR 00907
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No

ACADEMIA PERPETUD SOCORRO (Continued) **1010787863**

Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D003
Waste Description:	Reactive Waste
Waste Code:	D004
Waste Description:	Arsenic
Waste Code:	D005
Waste Description:	Barium
Waste Code:	D006
Waste Description:	Cadmium
Waste Code:	D007
Waste Description:	Chromium
Waste Code:	D008
Waste Description:	Lead
Waste Code:	D009
Waste Description:	Mercury
Waste Code:	D011
Waste Description:	Silver
Waste Code:	F002
Waste Description:	The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane,

ACADEMIA PERPETUD SOCORRO (Continued) **1010787863**

Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: P030
Waste Description: Cyanides (Soluble Cyanide Salts), Not Otherwise Specified

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: ACADEMIA PERPETUD SOCORRO
Legal Status: Private
Date Became Current: 19230801
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: IGELESIA CATOLICA DE PUERTO RICO
Legal Status: Private
Date Became Current: 19230801
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 9021967
Owner/Operator City,State,Zip: SAN JUAN, PR 00902-1967
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

ACADEMIA PERPETUD SOCORRO (Continued) **1010787863**

Historic Generators:

Receive Date:	20080323
Handler Name:	ACADEMIA PERPETUD SOCORRO
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20080324
Handler Name:	ACADEMIA PERPETUD SOCORRO
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	61111
NAICS Description:	ELEMENTARY AND SECONDARY SCHOOLS

Has the Facility Received Notices of Violations:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

ACADEMIA PERPETUD SOCORRO (Continued) **1010787863**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20130206
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2KV
Evaluation Responsible Sub-Organization:	CEPD
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

---

7 **SAN JUAN GAS COMPANY** **LUST** **S106917841**
SSE **AVE EXPRESO MARGINAL SUR / MIRAMAR** **N/A**
1/4-1/2 **SAN JUAN, PR**
0.331 mi.
1747 ft.

Relative:
Higher

Actual:
23 ft.

PR LUST:

Name:	SAN JUAN GAS COMPANY
Address:	AVE EXPRESO MARGINAL SUR / MIRAMAR
City,State,Zip:	SAN JUAN, PR
Facility ID:	94-0162
Status:	ACTIVE
Released:	No
Released Date:	Not reported
How Known:	UST Replacement
Date Known:	24-May-99
Owner Name:	San Juan Gas Company

8
SSE
1/4-1/2
0.408 mi.
2155 ft.

TALLER DE MECANICA SAN MIGUEL
CALLE PROLONGACION LA PAZ
SAN JUAN, PR

LUST **S103934128**
N/A

Relative:
Higher

Actual:
23 ft.

PR LUST:

Name:	TALLER DE MECANICA SAN MIGUEL
Address:	CALLE PROLONGACION LA PAZ
City,State,Zip:	SAN JUAN, PR
Facility ID:	98-0067
Status:	INACTIVE
Released:	Yes
Released Date:	17-Oct-00
How Known:	Unknown
Date Known:	23-Feb-96
Owner Name:	Taller San Miguel

9
North
1/4-1/2
0.417 mi.
2201 ft.

CARIBE HILTON
SAN GERONIMO, GROND 6
SAN JUAN, PR

LUST **S103553974**
N/A

Relative:
Lower

Actual:
8 ft.

PR LUST:

Name:	CARIBE HILTON
Address:	SAN GERONIMO, GROND 6
City,State,Zip:	SAN JUAN, PR
Facility ID:	86-1437
Status:	ACTIVE
Released:	No
Released Date:	Not reported
How Known:	High Concentration
Date Known:	21-Nov-00
Owner Name:	Esso Standard Oil Co.

10
SSE
1/4-1/2
0.446 mi.
2353 ft.

TOTAL PBL #115080
AVE EXPRESO SUR, PDA. 14, TRAS TALLERES
SANTURCE, PR

LUST **S101442886**
N/A

Relative:
Higher

Actual:
23 ft.

PR LUST:

Name:	TOTAL PBL #115080
Address:	AVE EXPRESO SUR, PDA. 14, TRAS TALLERES
City,State,Zip:	SANTURCE, PR
Facility ID:	86-1126
Status:	ACTIVE
Released:	No
Released Date:	Not reported
How Known:	Assessment Report
Date Known:	23-Jul-99
Owner Name:	Esso Standard Oil Co.

11
NNE
1/4-1/2
0.462 mi.
2437 ft.

SCHWANN BATTERY NO 263
NO CITY, PR

FUDS **1024902179**
N/A

Relative:
Lower

Actual:
0 ft.

FUDS:

EPA Region:	02
Installation ID:	PR29799F725300
Congressional District Number:	98
Name:	SCHWANN BATTERY NO 263
FUDS Number:	I02PR0014
City:	NO CITY
State:	PR
County:	SAN JUAN
Object ID:	6946
USACE Division:	SAD
USACE District:	Jacksonville District (SAJ)
Status:	Properties without projects
Current Owner:	OTHER: OTHER
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=62256
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not reported
Project Required:	No
Feature Description:	The U.S. acquired 19.26 acres beginning in 1941 through 1946 for a battery emplorement. The site became excess by 1971 and was conveyed to the then current owners and the commonwealth of Puerto Rico.
Latitude:	18.46222222
Longitude:	-66.08305556

12
West
1/2-1
0.555 mi.
2929 ft.

NAVAL STATION SAN JUAN
SAN JUAN, PR

FUDS **1007212743**
N/A

Relative:
Higher

Actual:
10 ft.

FUDS:

EPA Region:	02
Installation ID:	PR29799F417600
Congressional District Number:	98
Name:	NAVAL STATION SAN JUAN
FUDS Number:	I02PR0957
City:	SAN JUAN
State:	PR
County:	SAN JUAN
Object ID:	4778
USACE Division:	SAD
USACE District:	Jacksonville District (SAJ)
Status:	Properties with all projects at site closeout
Current Owner:	FED: FEDERAL Inactive facility. ; LOCAL: CITY Entertainment/Convention Facility.; STATE: STATE Isla Grande Airport, PR National Guard, other avaition purposes. Ocean cargo shiping facilities, cruise ship facilities.
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=53649
Eligibility:	Eligible
Has Projects:	Yes
NPL Status:	Not reported
Project Required:	Yes
Feature Description:	Between 1898 and 1968, the U.S. acquired the property for use as a

NAVAL STATION SAN JUAN (Continued) **1007212743**

Naval Air Base and for other naval activities. The site was developed and named the Naval Air Station, San Juan. The Navy constructed a complete Naval Air Station at the site consisting of 197 buildings including family housing, dispensary, school facilities, barracks, hangars, runways, wharfs, storage and supply structures, administrative buildings, and various utility facilities. The site was utilized until March 1971 when most of its functions were relocated elsewhere. In 1975, the Navy declared 456.07 acres at the site excess and turned the property over to the General Services Administration (GSA) for disposal. In 1991, as a result of a Quiet Title action by Commonwealth of Puerto Rico against the U.S., the Commonwealth of Puerto Rico received title to 457.0263 acres and the U.S. received title to 42.9749 acres. The 42.9749 acres are still utilized by the Navy. The U.S. Coast Guard has use of a 41-acre housing area until it can relocate.

Latitude: 18.456944
Longitude: -66.095833

FUDS Detail as of Jan 2015:
Fiscal Year: 2013
Federal Facility ID: PR9799F4176
RAB: Not reported
NPL Status: Not Listed
Description: The 501.8 acre site is located on and around Isle Grande, San Juan, PR. 456.07 acres of the site are eligible under the DERP-FUDS program.
History: Between 1898 and 1968, the U.S. acquired the property for use as a Naval Air Base and for other naval activities. The site was developed and named the Naval Air Station, San Juan. The Navy constructed a complete Naval Air Station at the site consisting of 197 buildings including family housing, dispensary, school facilities, barracks, hangars, runways, wharfs, storage and supply structures, administrative buildings, and various utility facilities. The site was utilized until March 1971 when most of its functions were relocated elsewhere. In 1975, the Navy declared 456.07 acres at the site excess and turned the property over to the General Services Administration (GSA) for disposal. In 1991, as a result of a Quiet Title action by Commonwealth of Puerto Rico against the U.S., the Commonwealth of Puerto Rico received title to 457.0263 acres and the U.S. received title to 42.9749 acres. The 42.9749 acres are still utilized by the Navy. The U.S. Coast Guard has use of a 41-acre housing area until it can relocate.
CTC: 12873.9
Current Program: Not reported
Future Program: Not reported
Institutional ID: 53649

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13 **ANTILLIES ENGINEERING COMPOUND** **FUDS** **1024902219**
NW **N/A**
1/2-1 **NO CITY, PR**
0.636 mi.
3360 ft.

Relative:
Higher

Actual:
10 ft.

FUDS:
EPA Region: 02
Installation ID: PR29799F418500
Congressional District Number: 98
Name: ANTILLIES ENGINEERING COMPOUND

ANTILLIES ENGINEERING COMPOUND (Continued) **1024902219**

FUDS Number:	I02PR0985
City:	NO CITY
State:	PR
County:	SAN JUAN
Object ID:	7250
USACE Division:	SAD
USACE District:	Jacksonville District (SAJ)
Status:	Properties without projects
Current Owner:	STATE: STATE PUERTO RICO & DEPT. OF NATURAL RESOURCES
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=55509
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not reported
Project Required:	No
Feature Description:	The 8.02 acres was acquired in fee between 1941 and 1948 and was developed and known sequentially as the San Juan area engineer depot, the Antilles area engineer compound, the San Juan area Corps o f Engineers (COP), Jacksonville District. The site was disposed of except for 3.84 acres still being used by the Army Corps of Engineers as the San Juan Area office.
Latitude:	18.4625
Longitude:	-66.09472222

Count: 13 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN JUAN	S103553986	PUERTO NUEVO S/S #220	AVE ROOSEVELT 1250 ESQ. AVE DE		LUST
SAN JUAN	S105073605	COMPLEJO MEDICO SOCIAL ANTILLANA	AVE. 65 INFANTERIA KM 3.4		LUST
SAN JUAN	S106917689	ESSO CO-015	AVE. ROOSEVELT 927 PUERTO NUEV		LUST
SAN JUAN	S106917669	PUMA S/S #937	AVE. FERNANDEZ JUNCOS #816 MIR		LUST
SAN JUAN	S104540010	TEXACO S/S #223	AVE. FERNANDEZ JUNCOS/PARADA 6		LUST
SAN JUAN	S106917650	LOM SERVICE STATION	CARR. 1 KM. 13.5 SECTOR EL CIN		LUST
SAN JUAN	S104540040	ING. LUIS R. CANETTI	CARR. 18 ESQ. F.D. ROOSEVELT/E		LUST
SAN JUAN	S105421764	COCINA CENTRAL C. MEDICO	COCINA CENTRAL CENTRO MEDICO,		LUST
SAN JUAN	1018161525	"NEW" ARMY AVIATION SUPPORT	ISLA GRANDE ROAD OFF HACIA FER		SEMS-ARCHIVE, DOCKET HWC
SAN JUAN	S103553931	ESSO 035	PONCE DE LEON, ESQ. MADRID, MI		LUST
SAN JUAN	1000233097	UNITED STATES COAST GUARD SECTOR S	5 LA PUNTILLA ST FINAL	00901	CORRACTS, RCRA-TSDF, RCRA-SQ MANIFEST
SAN JUAN	S101442811	CORREO HATO REY	585 ROOSEVELT BLVD		LUST
SAN JUAN	S106917846	ANTIGUA BASE NAVAL	SITE 36 / W-5 SECOND FLOOR		LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2023
Date Data Arrived at EDR: 03/28/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/31/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 54

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/12/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Environmental Quality Board
Telephone: 787-767-8181
Last EDR Contact: 08/22/2005
Next Scheduled EDR Contact: 11/21/2005
Data Release Frequency: N/A

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/24/2020
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/04/2021
Number of Days to Update: 84

Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 07/20/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

UST: Underground Storage Tank Facilities
Underground storage tank site locations.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/23/2008
Number of Days to Update: 28
Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 07/20/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/30/2023
Next Scheduled EDR Contact: 12/25/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/27/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/19/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/01/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/16/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/18/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 06/12/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/15/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/12/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/28/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2023
Date Data Arrived at EDR: 05/24/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/13/2023
Date Data Arrived at EDR: 06/14/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 61

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 60

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/25/2023
Date Data Arrived at EDR: 03/31/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 54

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Environmental Quality Board in Puerto Rico.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

Source: Environmental Quality Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PARCEL F HOTEL, LLC
BOULEVARD BALDORIOTY DE CASTRO
SAN JUAN, PR 00907

TARGET PROPERTY COORDINATES

Latitude (North):	18.455955 - 18° 27' 21.44''
Longitude (West):	66.087071 - 66° 5' 13.46''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	807679.2
UTM Y (Meters):	2042986.6
Elevation:	10 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12367789 SAN JUAN, PR
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

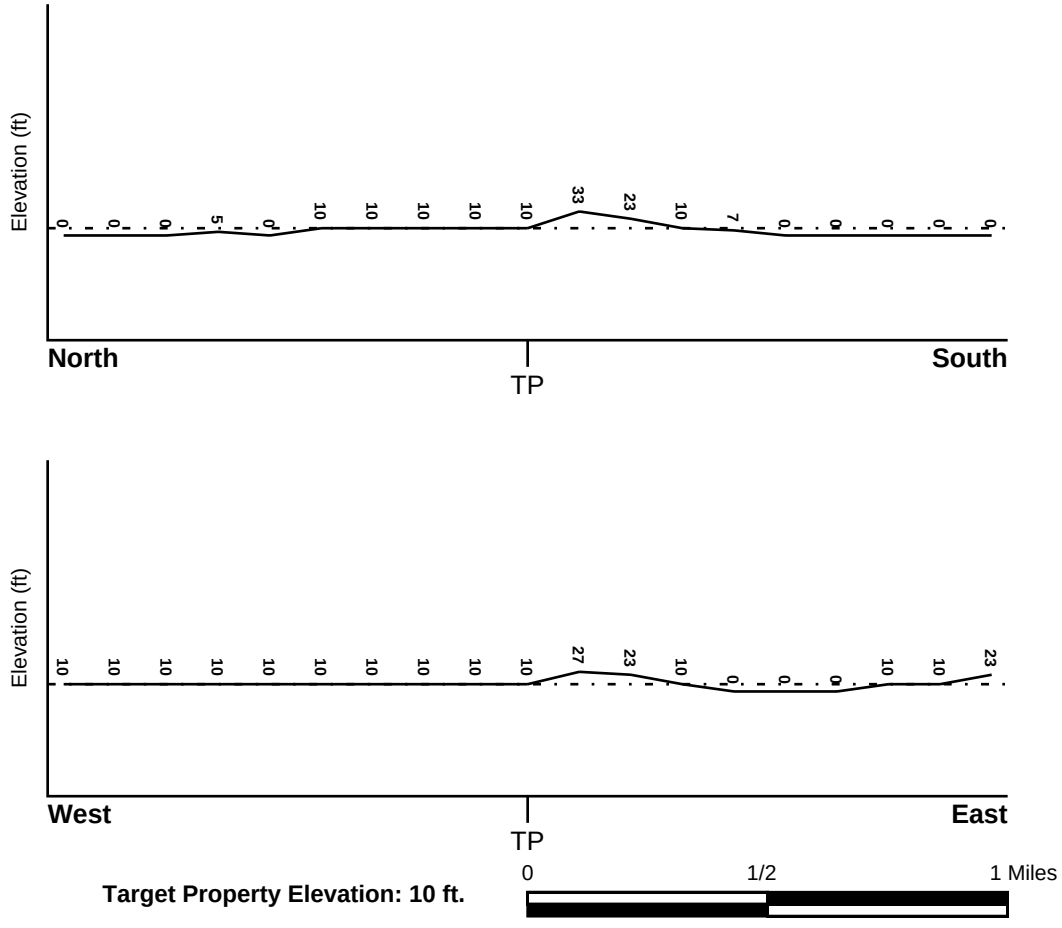
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
7200000051C	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: -
System: -
Series: -
Code: N/A *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: clay loam
loamy sand

Surficial Soil Types: clay loam
loamy sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: unweathered bedrock

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40001046492	1/4 - 1/2 Mile East
2	USGS40001046406	1/4 - 1/2 Mile South
3	USGS40001046393	1/2 - 1 Mile SE
A4	USGS40001046495	1/2 - 1 Mile East
A5	USGS40001046491	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

PHYSICAL SETTING SOURCE MAP - 7446765.2s

County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location

N

SITE NAME:	Parcel F Hotel, LLC	CLIENT:	CMA Architects & Engineers LLP
ADDRESS:	Boulevard Baldorioty DE Castro San Juan PR 00907	CONTACT:	Pedro A Janer
		INQUIRY #:	7446765.2s
LAT/LONG:	18.455955 / 66.087071	DATE:	September 18, 2023 11:25 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
East **FED USGS** **USGS40001046492**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	ORBETA WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19450101
Well Depth:	128	Well Depth Units:	ft
Well Hole Depth:	136	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1945-01-01
Feet below surface:	2.0	Feet to sea level:	Not Reported
Note:	Not Reported		

2
South **FED USGS** **USGS40001046406**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	LATHAM WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19400101
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	50	Well Hole Depth Units:	ft

3
SE **FED USGS** **USGS40001046393**
1/2 - 1 Mile
Higher

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	ARR WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19340626
Well Depth:	75	Well Depth Units:	ft
Well Hole Depth:	75	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1934-06-26
Feet below surface:	10.0	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A4
East
1/2 - 1 Mile
Higher

FED USGS **USGS40001046495**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	HLCON WELL, SAN JUAN, PR	Type:	Well
Description:	Not Reported	HUC:	21010005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	195811
Well Depth:	70	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A5
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001046491**

Organization ID:	USGS-PR		
Organization Name:	USGS Puerto Rico Water Science Center		
Monitor Location:	GUIJARRO WELL, SAN JUAN, PR		
Type:	Well	Description:	Not Reported
HUC:	21010005	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19460701	Well Depth:	55
Well Depth Units:	ft	Well Hole Depth:	56
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1946-07-01
Feet below surface:	13.0	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

Appendix D – Aerial Photo Package

Parcel F Hotel, LLC

Boulevard Baldorioty DE Castro

San Juan, PR 00907

Inquiry Number: 7446765.8

September 19, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/19/23

Site Name:

Parcel F Hotel, LLC
Boulevard Baldorioty DE Castr
San Juan, PR 00907
EDR Inquiry # 7446765.8

Client Name:

CMA Architects & Engineers LLP
1509 Roosevelt Ave Caparra Heights
Guaynabo, PR 00968
Contact: Pedro A Janer

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2004	1"=500'	Flight Date: January 15, 2004	USGS
1993	1"=500'	Flight Date: December 17, 1993	USGS
1989	1"=500'	Flight Date: March 31, 1989	USGS
1983	1"=500'	Flight Date: February 08, 1983	USGS
1974	1"=500'	Flight Date: January 17, 1974	USGS
1967	1"=500'	Flight Date: September 25, 1967	USGS
1962	1"=500'	Flight Date: February 15, 1962	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Parcel F Hotel LLC

2023 Aerial Photo


Parcel F Hotel LLC
2014 Aerial Photo
Legend
Google Earth
Image © 2023 Maxar Technologies
N
1000 ft

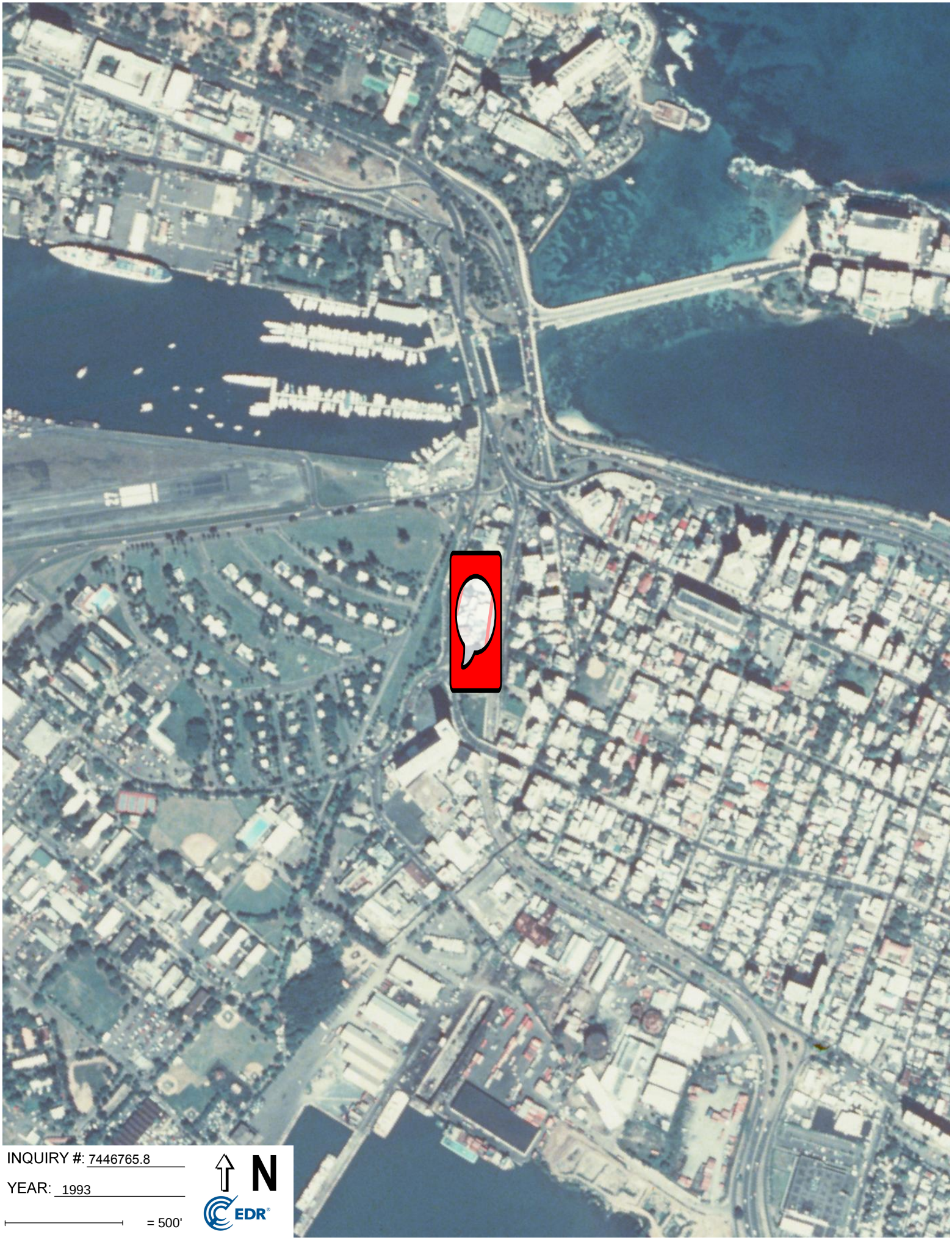
INQUIRY #: 7446765.8

YEAR: 2004

= 500'

N

EDR



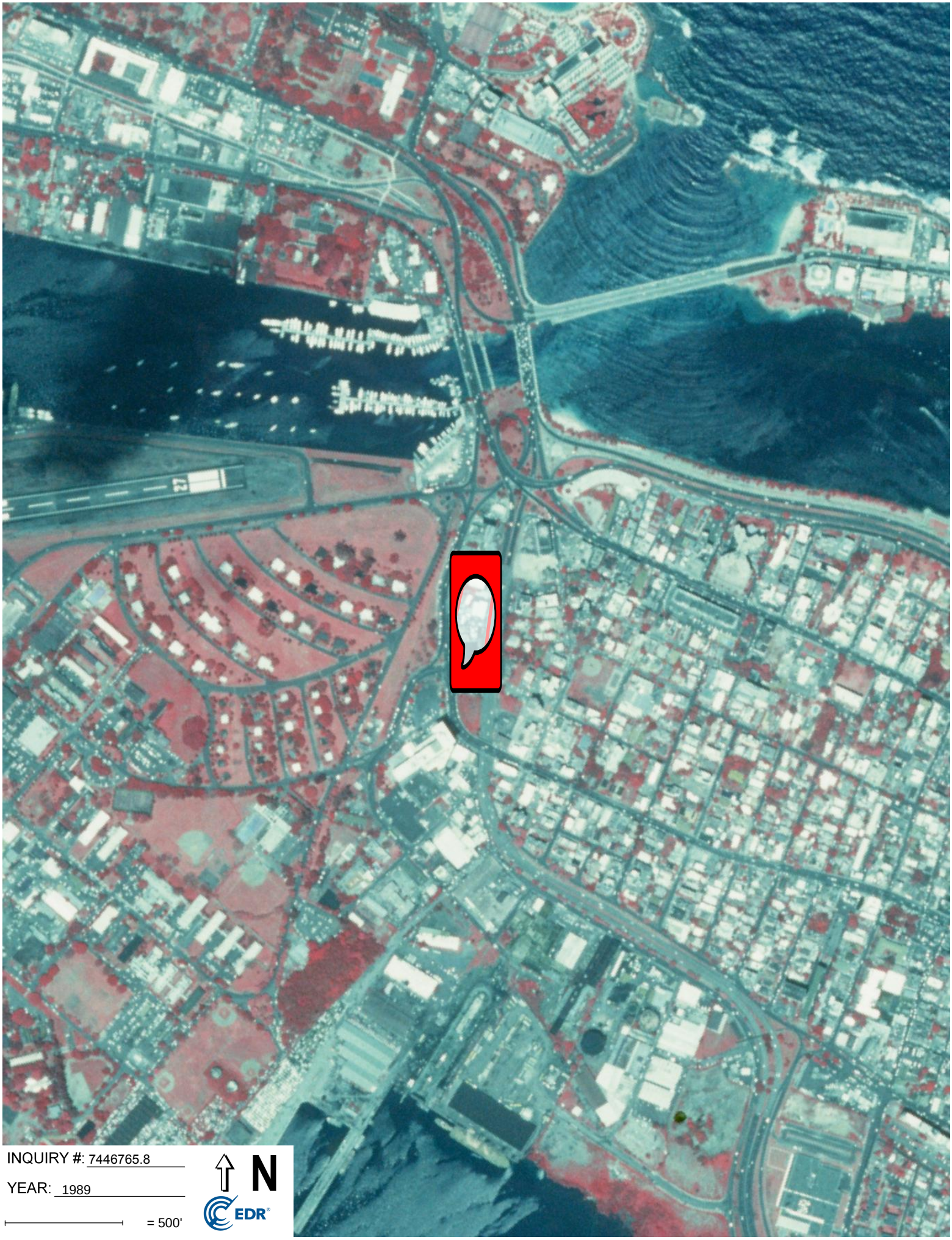
INQUIRY #: 7446765.8

YEAR: 1993

= 500'

N

EDR



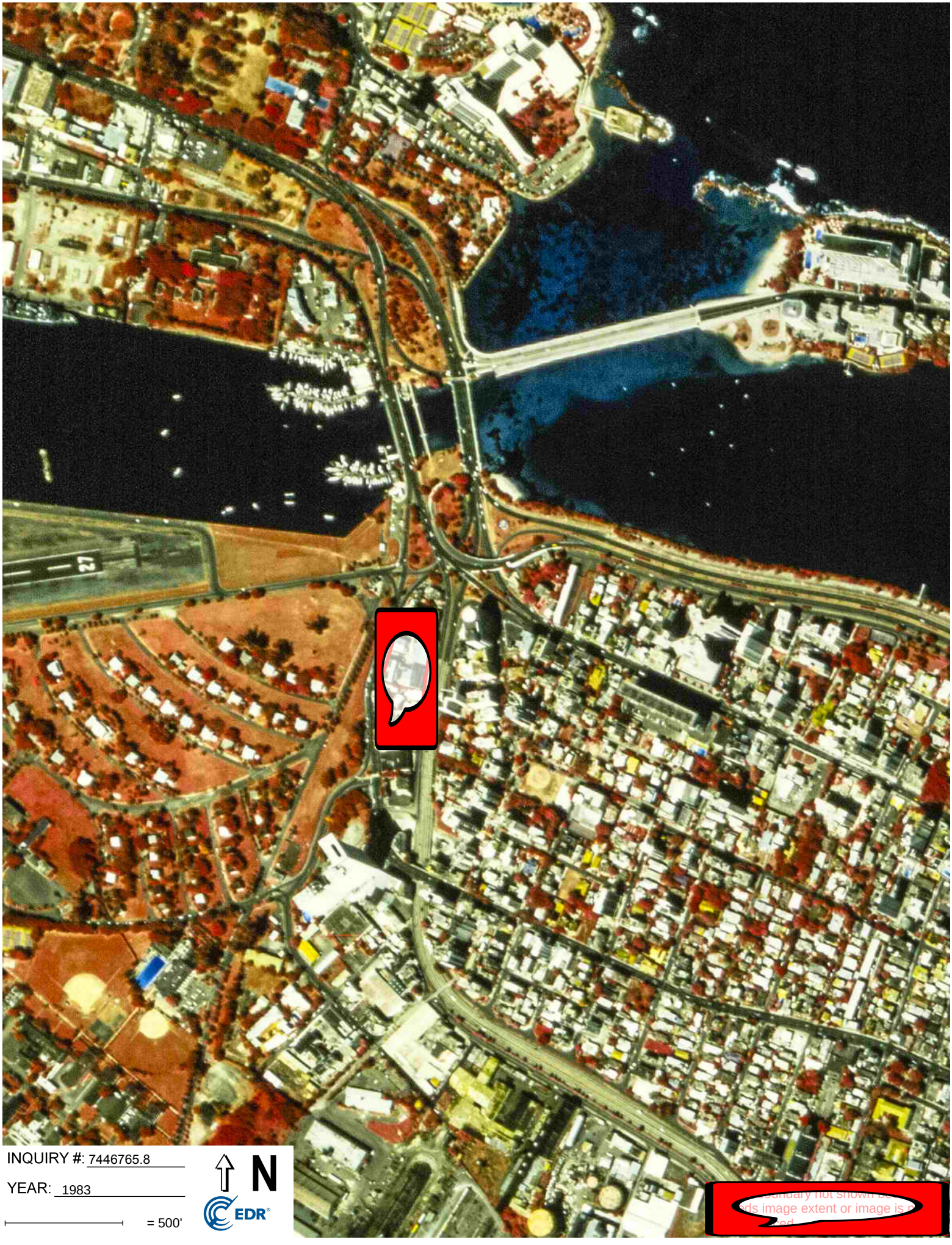
INQUIRY #: 7446765.8

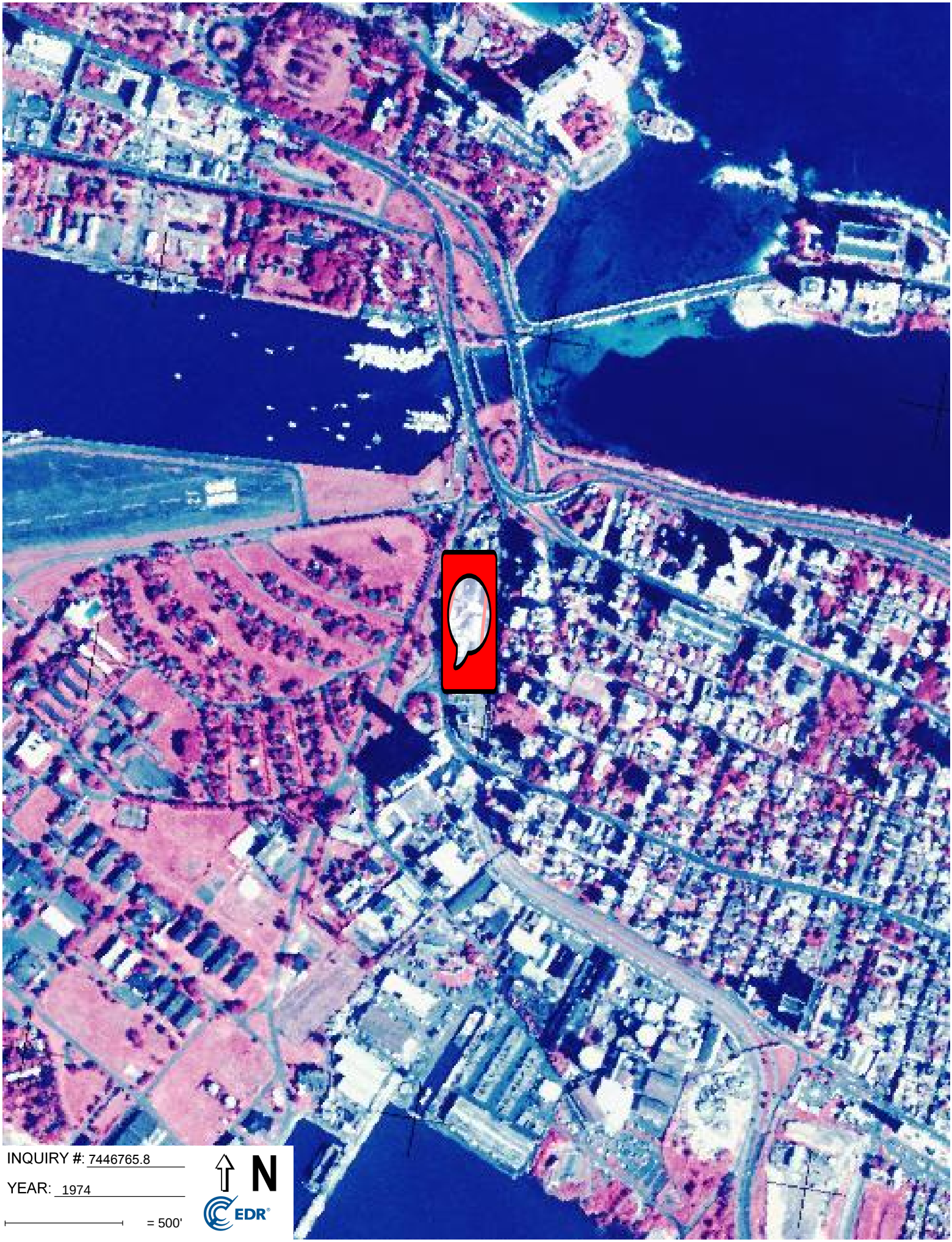
YEAR: 1989

= 500'

N

EDR


INQUIRY #: 7446765.8
YEAR: 1983
= 500'
N
EDR



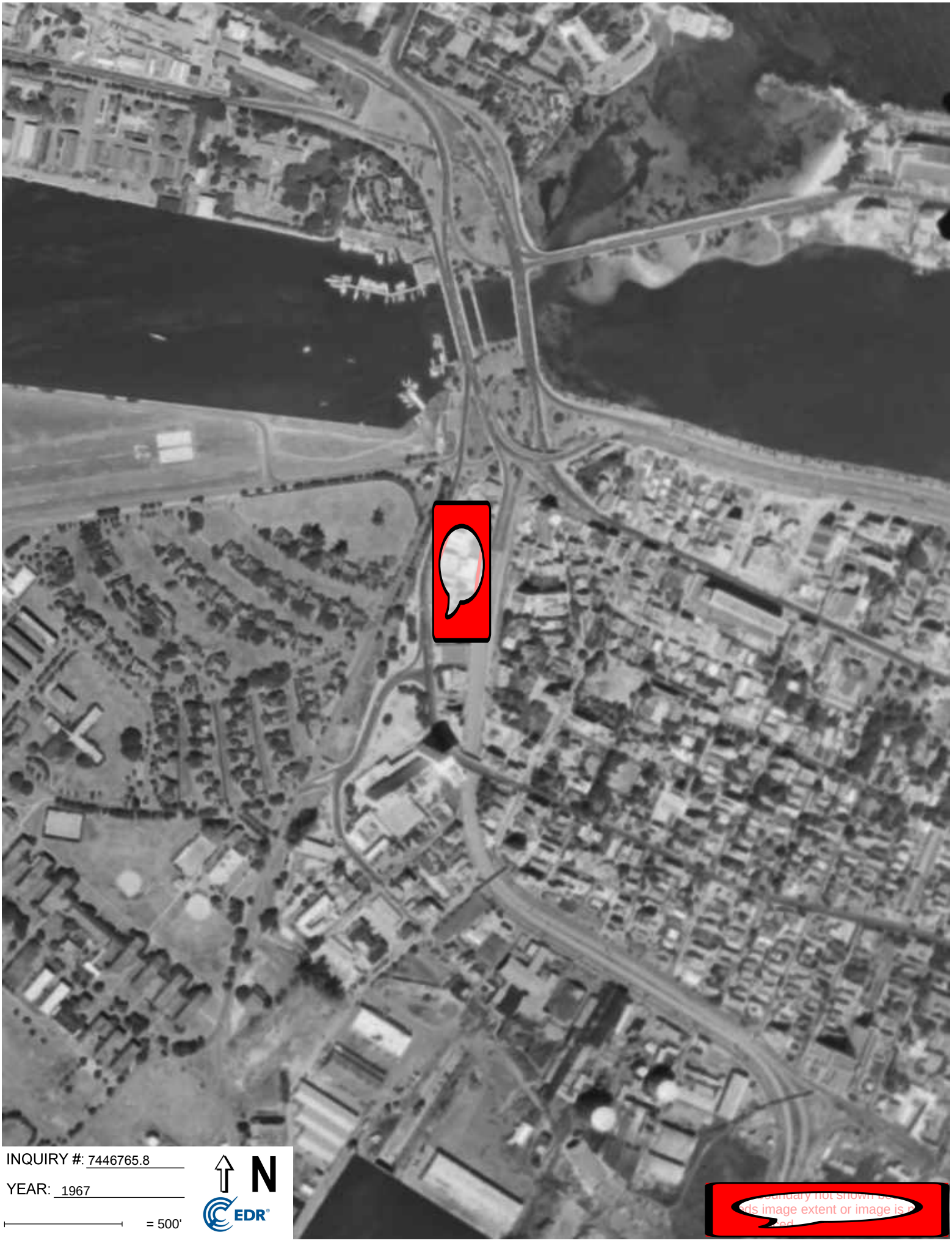
INQUIRY #: 7446765.8

YEAR: 1974

= 500'

N

EDR



INQUIRY #: 7446765.8

YEAR: 1967

= 500'

N

EDR


INQUIRY #: 7446765.8
YEAR: 1962
= 500'
N
EDR

Appendix E – Historical Quadrangles

Parcel F Hotel, LLC

Boulevard Baldorioty DE Castro

San Juan, PR 00907

Inquiry Number: 7446765.4

September 18, 2023

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/18/23

Site Name:

Parcel F Hotel, LLC
Boulevard Baldorioty DE Castr
San Juan, PR 00907
EDR Inquiry # 7446765.4

Client Name:

CMA Architects & Engineers LLP
1509 Roosevelt Ave Caparra Heights
Guaynabo, PR 00968
Contact: Pedro A Janer

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by CMA Architects & Engineers LLP were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: Parcel F Hotel

Coordinates:

Latitude:	18.455955 18° 27' 21" North
Longitude:	-66.087071 -66° 5' 13" West
UTM Zone:	Zone 19 North
UTM X Meters:	807674.77
UTM Y Meters:	2043109.32
Elevation:	15.93' above sea level

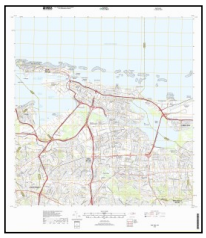
Maps Provided:

2018	1941
2013	
1982	
1969	
1963	
1957	
1949	
1947	

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



San Juan
2018
7.5-minute, 24000

2013 Source Sheets

San Juan
2013
7.5-minute, 24000

1982 Source Sheets

San Juan
1982
7.5-minute, 20000
Aerial Photo Revised 1977

1969 Source Sheets

San Juan
1969
7.5-minute, 20000
Aerial Photo Revised 1967

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1963 Source Sheets

San Juan
1963
7.5-minute, 20000
Aerial Photo Revised 1962

1957 Source Sheets

San Juan
1957
7.5-minute, 20000

1949 Source Sheets

San Juan
1949
7.5-minute, 30000

1947 Source Sheets

San Juan
1947
7.5-minute, 30000

Topo Sheet Key

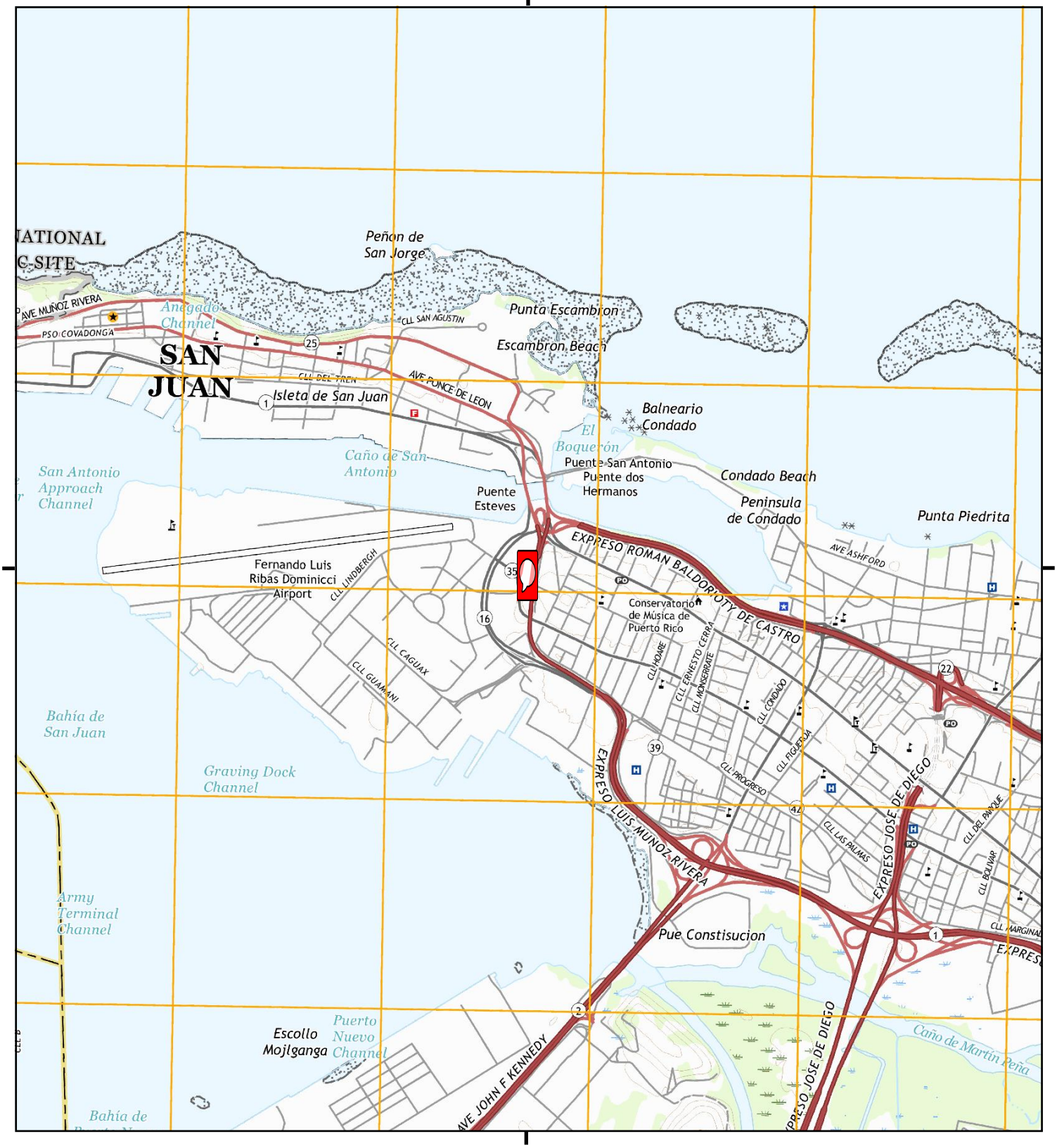
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1941 Source Sheets

San Juan
1941
7.5-minute, 30000

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 2018, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N

Historical Topo Map

2013

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

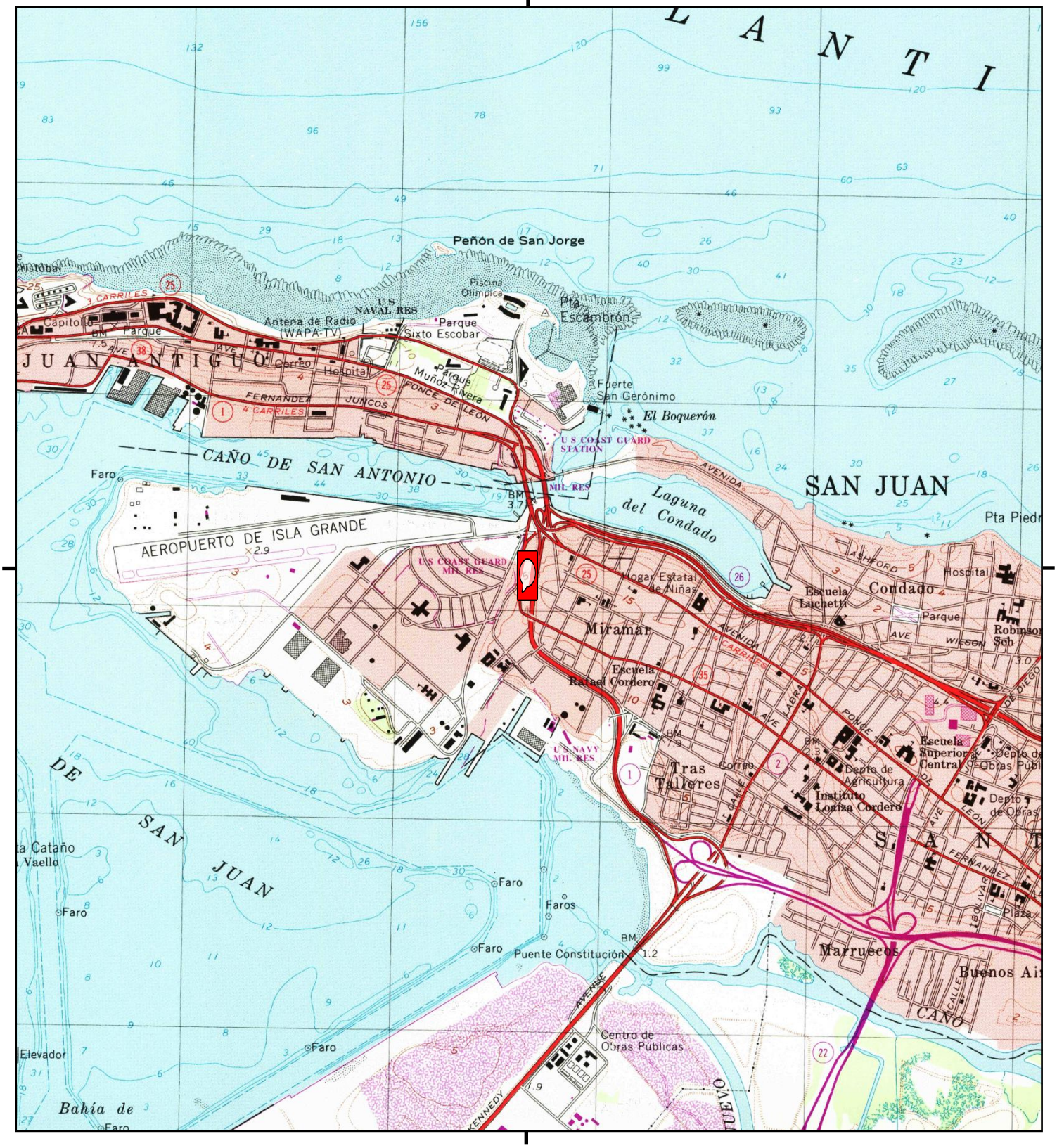
TP, San Juan, 2013, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N

Historical Topo Map

1982



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1982, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N

This report includes information from the following map sheet(s).

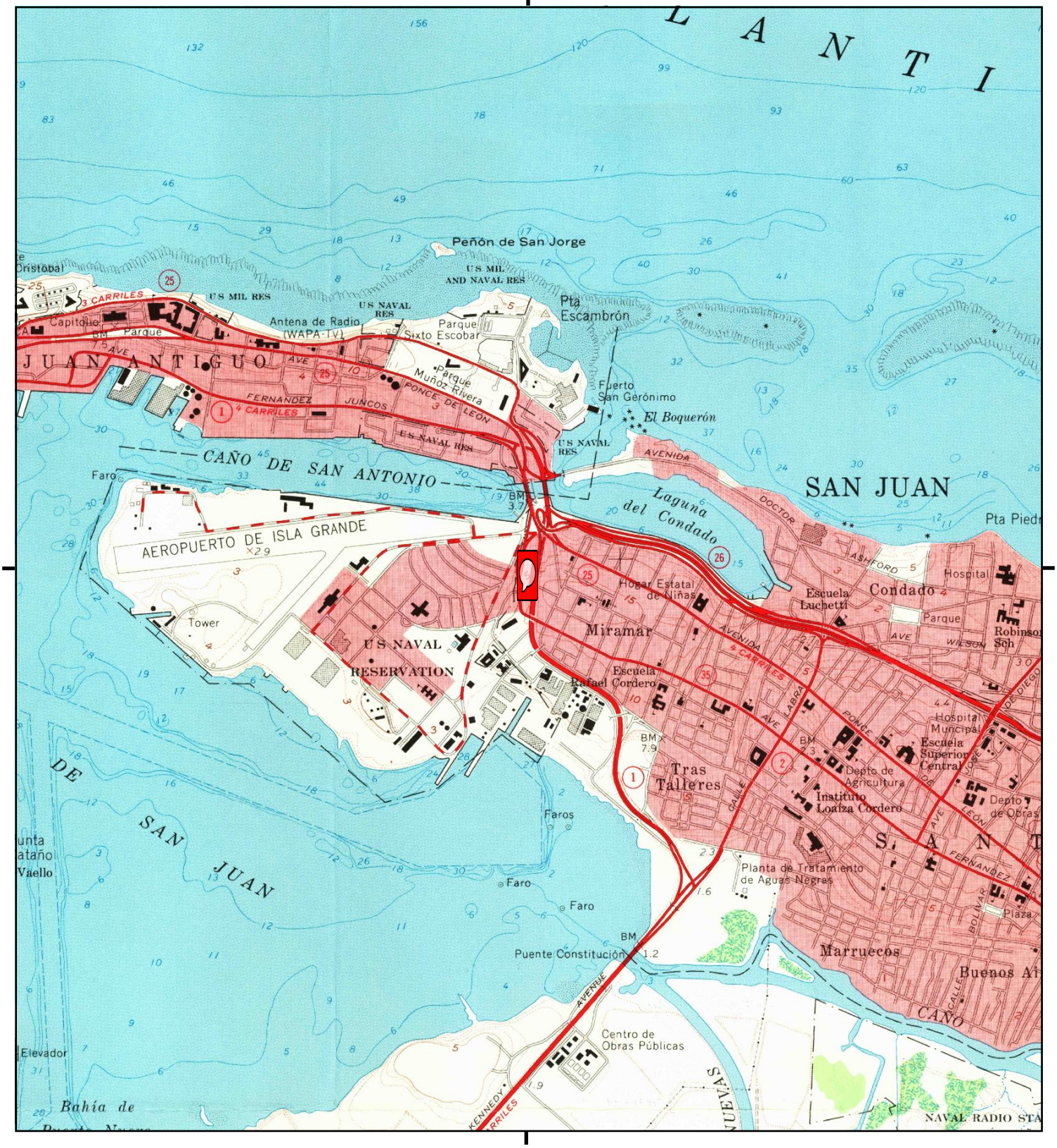
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1969, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1963, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N

Historical Topo Map

1957

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1957, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1949, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N

Historical Topo Map

1947

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1947, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N

Historical Topo Map

1941

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Juan, 1941, 7.5-minute

SITE NAME: Parcel F Hotel, LLC
ADDRESS: Boulevard Baldorioty DE Castro
San Juan, PR 00907
CLIENT: CMA Architects & Engineers LLP

N

Appendix F – City Directory

Parcel F Hotel, LLC
Boulevard Baldorioty DE Castro
San Juan, PR 00907

Inquiry Number: 7446765.5
September 20, 2023

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
1969	☐	☑	Polk's City Directory
1963	☐	☑	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

Boulevard Baldorioty DE Castro
San Juan, PR 00907

Year	*CD Image*	*Source*	
BOULEVARD BALDORIOTY DE CASTRO			
1969	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*

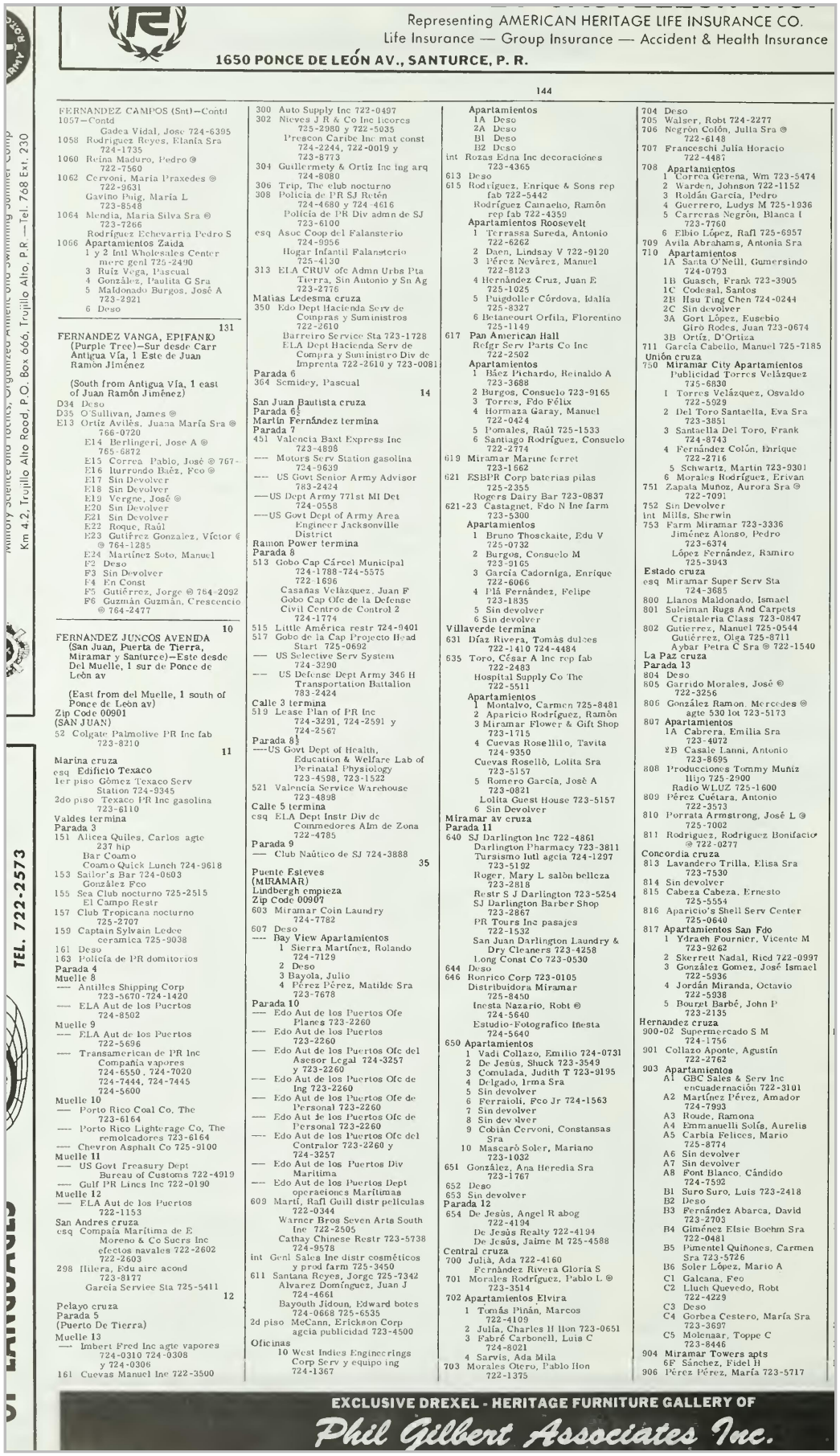
AVE MANUEL FERNÁNDEZ JUNCOS

1969	pg. A1	Polk's City Directory
1963	pg. A2	Polk's City Directory

City Directory Images

Target Street	Cross Street	Source
-	✓	Polk's City Directory

AVE MANUEL FERNÁNDEZ JUNCOS 1969



FERNANDEZ CAMPOS (Snt)—Contd
1057—Contd
Gadea Vidal, Jose 724-6395
1058 Rodriguez Reyes, Elania Sra 724-1735
1060 Reina Maduro, Pedro ® 722-7560
1062 Cervoni, Maria Praxedes ® 722-9631
Gavino Puig, Maria L 723-8548
1064 Mendia, Maria Silva Sra ® 723-7266
Rodriguez Echevarria Pedro S
1066 Apartamientos Zaida
1 y 2 Intl Wholesales Center merc genl 725-2490
3 Ruiz Vega, Pascual
4 González, Paulita G Sra
5 Maldonado Burgos, José A 723-2921
6 Deso

131

FERNANDEZ VANGA, EPIFANIO (Purple Tree)—Sur desde Carr Antigua Vía, 1 Este de Juan Ramón Jiménez

(South from Antigua Vía, 1 east of Juan Ramón Jiménez)
D34 Deso
D35 O'Sullivan, James ®
E13 Ortiz Avilés, Juana María Sra ® 766-0720
E14 Berlingeri, Jose A ® 765-6872
E15 Correa, Pablo, José ® 767-
E16 Iturrondo Báez, Fco ®
E17 Sin Devolver
E18 Sin Devolver
E19 Vergne, José ®
E20 Sin Devolver
E21 Sin Devolver
E22 Roque, Raúl
E23 Gutiérrez Gonzalez, Víctor (® 764-1285
E24 Martínez Soto, Manuel
F2 Deso
F3 Sin Devolver
F4 En Const
F5 Gutiérrez, Jorge ® 764-2092
F6 Guzmán Guzmán, Crescencio ® 764-2477

10

FERNANDEZ JUNCOS AVENIDA (San Juan, Puerta de Tierra, Miramar y Santurce)—Este desde Del Muelle, 1 sur de Ponce de León av

(East from del Muelle, 1 south of Ponce de León av)
Zip Code 00901
(SAN JUAN)
52 Colgate Palmolive PR Inc fab 723-8210

11

Marina cruza
esq Edificio Texaco
1er piso Gómez Texaco Serv Station 724-9345
2do piso Texaco PR Inc gasolina 723-6110
Valdes termina
Parada 3
151 Alicea Quiles, Carlos agte 237 hip
Bar Coamo
Coamo Quick Lunch 724-9618
153 Sailor's Bar 724-0603
González Fco
155 Sea Club nocturno 725-2515
El Campo Restr
157 Club Tropicana nocturno 725-2707
159 Captain Sylvain Ledee ceramica 725-9038
161 Deso
163 Policía de PR domitorios
Parada 4
Muelle 8
— Antilles Shipping Corp 723-5670-724-1420
— ELA Aut de los Puertos 724-8502
Muelle 9
— ELA Aut de los Puertos 722-5696
— Transamerican de PR Inc Compañia vapores 724-6550, 724-7020 724-7444, 724-7445 724-5600
Muelle 10
— Porto Rico Coal Co, The 723-6164
— Porto Rico Lighterage Co, The remolcadores 723-6164
— Chevron Asphalt Co 725-9100
Muelle 11
— US Govt Treasury Dept Bureau of Customs 722-4919
— Gulf PR Lines Inc 722-0190
Muelle 12
— ELA Aut de los Puertos 722-1153
San Andres cruza
esq Compaía Marítima de E Moreno & Co Sucrs Inc efectos navales 722-2602 722-2603
298 Hilera, Edu aire acond 723-8177
García Serviee Sta 725-5411

12

Pelayo cruza
Parada 5
(Puerto De Tierra)
Muelle 13
— Imbert Fred Inc agte vapores 724-0310 724-0308 y 724-0306
161 Cuevas Manuel Inc 722-3500
300 Auto Supply Inc 722-0497
302 Nieves J R & Co Inc licores 725-2980 y 722-5035
Prescon Caribe Inc mat const 724-2244, 722-0019 y 723-8773
304 Guillermety & Ortiz Inc ing arq 724-8080
306 Trip, The club nocturno
308 Policía de PR SJ Retén 724-4680 y 724-4616
Policía de PR Div admn de SJ 723-6100
esq Asoc Coop del Falansterio 724-9956
Hogar Infantil Falansterio 725-4130
313 ELA CRUV ofc Admn Urbs Pta Tierra, Sin Antonio y Sn Ag 723-2776
Matias Ledesma cruza
350 Edo Dept Hacienda Serv de Compras y Suministros 722-2610
Barreiro Service Sta 723-1728
ELA Dept Hacienda Serv de Compra y Suministro Div de Imprenta 722-2610 y 723-0081
Parada 6
364 Semidey, Pascual

14

San Juan Bautista cruza
Parada 6½
Martín Fernández termina
Parada 7
451 Valencia Baxt Express Inc 723-4898
--- Motors Serv Station gasolina 724-9639
--- US Govt Senior Army Advisor 783-2424
—US Dept Army 771st MI Det 724-0558
—US Govt Dept of Army Area Engineer Jacksonville District
Ramon Power termina
Parada 8
513 Gobo Cap Cárcel Municipal 724-1788-724-5575 722-1696
Casañas Velázquez, Juan F
Gobo Cap Ofc de la Defense Civil Centro de Control 2 724-1774
515 Little América restr 724-9401
517 Gobo de la Cap Projecto Head Start 725-0692
— US Selective Serv System 724-3290
— US Defense Dept Army 346 H Transportation Battalion 783-2424
Calle 3 termina
519 Lease Plan of PR Inc 724-3291, 724-2591 y 724-2567
Parada 8½
—US Govt Dept of Health, Education & Welfare Lab of Perinatal Physiology 723-4598, 723-1522
521 Valencia Service Warehouse 723-4898
Calle 5 termina
esq ELA Dept Instr Div de Conmedores Alm de Zona 722-4785
Parada 9
— Club Náutico de SJ 724-3888

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Puente Esteves
(MIRAMAR)
Lindbergh empieza
Zip Code 00907
603 Miramar Coin Laundry 724-7782
607 Deso
--- Bay View Apartamientos
1 Sierra Martínez, Rolando 724-7129
2 Deso
3 Bayola, Julio
4 Pérez Pérez, Matilde Sra 723-7678
Parada 10
— Edo Aut de los Puertos Ofc Planes 723-2260
— Edo Aut de los Puertos 723-2260
— Edo Aut de los Puertos Ofc del Asesor Legal 724-3257 y 723-2260
— Edo Aut de los Puertos Ofc de Ing 723-2260
— Edo Aut de los Puertos Ofc de Personal 723-2260
— Edo Aut de los Puertos Ofc de Personal 723-2260
— Edo Aut de los Puertos Ofc del Contralor 723-2260 y 724-3257
— Edo Aut de los Puertos Div Marítima
— Edo Aut de los Puertos Dept operaciones Marítimas
609 Martí, Rafl Guill distr peliculas 722-0344
Warner Bros Seven Arts South Inc 722-2505
Cathay Chinese Restr 723-5738 724-9578
int Genl Sales Inc distr cosméticos y prod farm 725-3450
611 Santana Reyes, Jorge 725-7342
Alvarez Domínguez, Juan J 724-4661
Bayouth Jidoun, Edward botes 724-0668 725-6535
2d piso McCann, Erickson Corp agcia publicidad 723-4500
Oficinas
10 West Indies Engineerings Corp Serv y equipo ing 724-1367
Apartamientos
1A Deso
2A Deso
B1 Deso
B2 Deso
int Rozas Edna Inc decoraciónes 723-4365
613 Deso
615 Rodríguez, Enrique & Sons rep fab 722-5442
Rodríguez Camacho, Ramón rep fab 722-4350
Apartamientos Roosevelt
1 Terrassa Sureda, Antonio 722-6262
2 Daen, Lindsay V 722-9120
3 Pérez Nevárez, Manuel 722-8123
4 Hernández Cruz, Juan E 725-1025
5 Puigdoller Córdova, Idalia 725-8327
6 Betancourt Orfila, Florentino 725-1149
617 Pan American Hall
Refgr Serv Parts Co Inc 722-2502
Apartamientos
1 Báez Pichardo, Reinaldo A 723-3688
2 Burgos, Consuelo 723-9165
3 Torres, Fdo Félix
4 Hormaza Garay, Manuel 722-0424
5 Pomales, Raúl 725-1533
6 Santiago Rodríguez, Consuelo 722-2774
619 Miramar Marine ferret 723-1662
621 ESBPR Corp baterias pilas 725-2355
Rogers Dairy Bar 723-0837
621-23 Castagnet, Fdo N Ine farm 723-5300
Apartamientos
1 Bruno Thoskaite, Edu V 725-0732
2 Burgos, Consuelo M 723-9165
3 García Cadorniga, Enrique 722-6066
4 Plá Fernández, Felipe 723-1835
5 Sin devolver
6 Sin devolver
Villaverde termina
631 Díaz Rivera, Tomás dulces 722-1410 724-4484
635 Toro, César A Inc rep fab 722-2483
Hospital Supply Co The 722-5511
Apartamientos
1 Montalvo, Carmen 725-8481
2 Aparicio Rodríguez, Ramón
3 Miramar Flower & Gift Shop 723-1715
4 Cuevas Rosellló, Tavita 724-9350
Cuevas Rosellò, Lolita Sra 723-5157
5 Romero García, José A 723-0821
Lolita Guest House 723-5157
6 Sin Devolver
Miramar av cruza
Parada 11
640 SJ Darlington Inc 722-4861
Darlington Pharmacy 723-3811
Turismo Intl agcia 724-1297 723-5132
Roger, Mary L salón belleza 723-2818
Restr S J Darlington 723-5254
SJ Darlington Barber Shop 723-2867
PR Tours Inc pasajes 722-1532
San Juan Darlington Laundry & Dry Cleaners 723-4258
Long Const Co 723-0530
644 Deso
646 Ronrico Corp 723-0105
Distribuidora Miramar 725-8450
Inesta Nazario, Robt ®
724-5640
Estudio Fotografico Inesta 724-5640
650 Apartamientos
1 Vadi Collazo, Emilio 724-0731
2 De Jesús, Shuck 723-3549
3 Comulada, Judith T 723-9195
4 Delgado, Irma Sra
5 Sin devolver
6 Ferraioli, Fco Jr 724-1563
7 Sin devolver
8 Sin devolver
9 Cobián Cervoni, Constansas Sra
10 Mascaró Soler, Mariano 723-1032
651 González, Ana Heredia Sra 723-1767
652 Deso
653 Sin devolver
Parada 12
654 De Jesús, Angel R abog 722-4194
De Jesús Realty 722-4194
De Jesús, Jaime M 725-4588
Central cruza
700 Julia, Ada 722-4160
Fernández Rivera Gloria S
701 Morales Rodríguez, Pablo L ® 723-3514
702 Apartamientos Elvira
1 Tomás Piñán, Marcos 722-4109
2 Julia, Charles H Ilon 723-0651
3 Fabré Carbonell, Luis C 724-8021
4 Sarvis, Ada Mila
703 Morales Otero, Pablo Ilon 722-1375
704 Deso
705 Walser, Robt 724-2277
706 Negrón Colón, Julia Sra ® 722-6148
707 Franceschi Julia Horacio 722-4487
708 Apartamientos
1 Correa Gerena, Wm 723-5474
2 Warden, Johnson 722-1152
3 Roldán García, Pedro
4 Guerrero, Ludys M 725-1936
5 Carreras Negrón, Blanca I 723-7760
6 Elbio López, Rafl 725-6957
709 Avila Abrahams, Antonia Sra
710 Apartamientos
1A Santa O'Neill, Gumersindo 724-0793
1B Guasch, Frank 723-3905
1C Codesal, Santos
2B Hsu Ting Chen 724-0244
2C Sin devolver
3A Gort López, Eusebio
Giró Rodes, Juan 723-0674
3B Ortíz, D'Ortiza
711 García Cabello, Manuel 725-7185
Unión cruza
750 Miramar City Apartamientos
Publicidad Torres Velázquez 725-6830
I Torres Velázquez, Osvaldo 722-5929
2 Del Toro Santaella, Eva Sra 723-3851
3 Santaella Del Toro, Frank 724-8743
4 Fernández Colón, Enrique 722-2716
5 Schwartz, Martin 723-9301
6 Morales Rodríguez, Erivan
751 Zapata Muñoz, Aurora Sra ® 722-7091
752 Sin Devolver
Int Mills, Sherwin
753 Farm Miramar 723-3336
Jiménez Alonso, Pedro 723-6374
López Fernández, Ramiro 725-3943
Estado cruza
esq Miramar Super Serv Sta 724-3685
800 Llanos Maldonado, Ismael
801 Suleiman Rugs And Carpets Cristaleria Class 723-0547
802 Gutierrez, Manuel 725-0544
Gutiérrez, Olga 725-8711
Aybar Petra C Sra ® 722-1540
La Paz cruza
Parada 13
804 Deso
805 Garrido Morales, José ® 722-3256
806 González Ramon, Mercedes ® agte 530 lot 723-5173
807 Apartamientos
1A Cabrera, Emilia Sra 723-4072
2B Casale Lanni, Antonio 723-8695
808 Producciones Tommy Muñiz Hijo 725-2900
Radio WLUZ 725-1600
809 Pérez Cuétara, Antonio 722-3573
810 Porrata Armstrong, José L ® 725-7002
811 Rodriguez, Rodriguez Bonifacio ® 722-0277
Concordia cruza
813 Lavandero Trilla, Elisa Sra 723-7530
814 Sin devolver
815 Cabeza Cabeza, Ernesto 725-5554
816 Aparicio's Shell Serv Center 725-0640
817 Apartamientos San Fdo
1 Ydraeh Fournier, Vicente M 723-9262
2 Skerrett Nadal, Ricd 722-0997
3 González Gomez, José Ismael 722-5936
4 Jordán Miranda, Octavio 722-5938
5 Bouret Barbé, John P 723-2135
Hernandez cruza
900-02 Supermercado S M 724-1756
901 Collazo Aponte, Agustín 722-2762
903 Apartamientos
A1 GBC Sales & Serv Inc encuadernación 722-3101
A2 Martínez Pérez, Amador 724-7993
A3 Roude, Ramona
A4 Emmanuelli Solís, Aurelia
A5 Carbia Felices, Mario 725-8774
A6 Sin devolver
A7 Sin devolver
A8 Font Blanco, Cándido 724-7592
B1 Suro Suro, Luis 723-2418
B2 Deso
B3 Fernández Abarca, David 723-2703
B4 Giménez Elsie Boehm Sra 722-0481
B5 Pimentel Quiñones, Carmen Sra 723-5726
B6 Soler López, Mario A
C1 Galcana, Fco
C2 Lluch Quevedo, Robt 722-4229
C3 Deso
C4 Gorbea Cestero, María Sra 723-3697
C5 Molenaar, Toppe C 723-8446
904 Miramar Towers apts
5F Sánchez, Fidel H
906 Pérez Pérez, María 723-5717

Target Street	Cross Street	Source
-	✓	Polk's City Directory

AVE MANUEL FERNÁNDEZ JUNCOS 1963

FERNANDEZ (HR)—Contd

19 Vela, Antonia 766-0664
Lucky 7 Carle 767-6930
Baldorioty de Castro cruza
52 Torres Márquez, Ernesto ©
53 Calderón, Faustina Sra
54 Flecha, Fca Sra © 766-5697
55 Rentas, Ismael ©
56 López, Félix ©
57 Pérez, Robt
int Ramos González, Luis
Romero, Mercedes Sra ©
58 Colmado Vélez
int García Santana, Fca
59 Rivera, Julio ©
60 González, Ismael
61 González, Bernardino ©
62 Cintrón, Juan ©
63 Sánchez, Eusebio ©

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FERNANDEZ (Santurce)—Este desde Cerra, 3 sur de Las Palmas

(East from Cerra, 3 south of Las Palmas)
Cerra Andino cruza

36

FERNANDEZ CAMPOS (Santurce)—Sureste desde 605 Monserrate, 1 sur de Ponce de León av

(Southeast from 605 Monserrate, 1 south of Ponce de León av)
1050 Bar Restr Minerva
Batista, Alberto hípica 302 agte 723-3042
Apartamientos
1 López Hedilla, Manuel 723-7058
2 Santana, Monserrate Hernández Sra 722-5854
3 Amilibia Negrón, Carlos 723-6765
4 Moreno Ramos, Basilio
Calle continua
1052 Garrido Morales, Lolita ©
López Peña, Fco
1054 Rodríguez Rolán, José ©
722-8598
1056 Sobrino Rodríguez, Olimpio ©
722-9895
int Rost, Carlos
1057 Deliz Santiago, Olga C ©
723-4101
Gadea Vidal, José 724-6395
1058 Tormes Núñez, Julio C ©
723-6858
1060 Reina Maduro, Pedro ©
722-7560
int Vázquez, Judith Sra
Colón, María Ventura Sra
1062 Cervoni, María Práxedes ©
722-9631
int García, María L 723-8548
1064 Romano, Vittorio 722-7579
Mendía, María Silva Sra ©
723-7266
1066 Apartamientos Zaida
Apartamientos:
1 Eymil López, Gustavo ©
723-6999
2 Sin Devolver
3 Deso
4 Caballero Barba, Luis
723-2280
5 Deso
6 Sampayo, Providencia
Luchetti Sra

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FERNANDEZ JUNCOS (Valencía; Río Piedras; Cambiada a Avila)

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FERNANDEZ JUNCOS AVENIDA (San Juan, Puerta de Tierra, Miramar y Santurce)—Este desde Del Muelle, 1 sur de Ponce de León av

(East from Del Muelle, 1 south of Ponce de León av)
(SAN JUAN)
43 González Padín Distributing
Corp 723-3926,723-0005
50 Deso
52 Colgate Palmolive PR Inc fab
723-8210
Colgate Palmolive Co 723-8210
101 Sánchez, Ramón 724-9556

11

Marina cruza
esq Edificio Texaco
1er piso Gómez Texaco Serv Station 724-3960
2do piso Texaco PR Inc gasolina 723-6110
Valdés termina
Parada 3
151 González, Fco casa hospedaje
Alicea Quiles, Carlos agte 237 hip
Bar Coamo
153 Sailor's Bar
González, Fco
155 Meléndez, Miguel casa hospedaje
Aponte Navarro, Luis A
Seven Seas Club nocturno
157 Deso
Club Tropicana nocturno
159 Pigalle 69 club nocturno
161 Splendid Inc rep fab 723-4095
ELA Dep Trbj Negdo de Seguridad de Empleo
Compensación por Desempleo Ind Azucarera 722-4750-5
ELA Negdo Seguro Social para choferes 723-3135, 724-1354
ELA Dept Trbj ofc de Veteranos 722-0719
Parada 4
Muelle 8
— Antilles Shipping Corp 723-5670, 724-1420
— ELA Aut de los Puertos
Muelle 9
— ELA Aut de los Puertos 722-5696
— Transamerican de PR Inc compañía vapores 724-6550,724-7020, 724-7444, 724-7445, 724-5600
Muelle 10
— Porto Rico Coal Co, The 723-6364
— American Bitumuls & Asphalt Co 723-8191
Muelle 11
— Waterman Steamship Corp of PR 722-0190
— US Gov't Treasury Dept Bureau of Customs 722-4919
Muelle 12
— ELA Aut de los Puertos 722-1153
— Cafetería Dorremí
San Andrés cruza
esq Compañía Marítima de E Moreno & Co Sucrs Inc efectos navales 722-2602, 722-2603
esq ELA Dept del Trabajo 723-6070
298 Plá Auto Corp 724-2795
Hilera, Edu aire acond 723-8177

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Pelayo cruza
Parada 5
(PUERTA de TIERRA)
300 Lykes Lines Agency Inc 722-2140
Auto Supply Inc 724-0498, 722-0497
302 Nieves, J R & Co Inc licores 722-0019
Prescon Caribe Inc ings 723-8773
Power Electric Co
302-4 Auto Mundial Inc 724-1060, 723-3279, 722-2624
304 Guillermety, A Ortíz Inc ing arq 722-2215, 723-1377
Caribe Textile Engravers Inc 723-5840
306 Deso
308 Policía de PR-SJ Retén 722-4680
esq Asoc Coop del Falansterio 722-1320
Hogar Infantil Falansterio 722-1320
313 Ela CRUV ofc Admn Urbs Pta Tierra, Sn Antonio y Sn Ag 723-2776
Matías Ledesma cruza
350 Edo Dept Hacienda Serv de Compras y Suministros 722-2610
ELA Dept Hacienda Serv de Compra y Suministro Div de Imprenta 722-2610
Barreiro Serv Sta 723-1728
Parada 6
364 Borínquen Machinery Tire & Recappers, Inc 724-1483
Miranda, Antonio

14

San Juan Bautista cruza
Parada 6½
Martín Fernández termina
Parada 7
— Caribe Lease Plan Inc
451 Valencia Bast Express Inc 724-3900
— Motors Serv Station gasolina 722-3809
— US Gov't Dept army antilles Command 722-0000
— US Gov't Dept army USAR School 722-0000
Ramón Power termina
Parada 8
— Gobo Cap Cárcel Municipal 724-1788, 724-5575, 722-1696
— Casanas, Velázquez, Juan F
— Little América Restr 722-3869,724-9401
— Gabo Cap Ofc Defensa Civil Centro Control 2 724-1774
— Hogar Infantil Marcola Fernández Nater 722-0450
— ELA Dept Instrucción Div Comedores alm de zona 724-2278
— Deso
— US Selective Serv System 724-3290
— US Defense Dept Army 3rd Battalion AWBN (SP) 162 Btry
— US Defense Dept Army 346 H Transportation Battalion 723-0209
Calle 3 termina
619 Deso
— US Outpatient Clinic & Quarantine Station 723-5200
Parada 8½
— U S Gov't Dept of Health, Education & Welfare Lab of Perinatal Physiology 723-4598, 723-1522
— Valencia Service Warehouse 723-4898
Calle 5 termina
609 Deso
Parada 9
— Club Naútico de SJ 724-3888

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Puente Esteves
(MIRAMAR)
Lindbergh empieza
— U S Govt Genl Serv Admn 724-0745
603 Miramar Coin Laundry
607 Bquen Bag Mfg Co Inc 723-1941
Apartamientos
1 Sierra Martínez, Rolando
2 Maján Fernández, José 723-2034
3 Rodríguez Pérez, Alberto 723-7775
4 Pérez Pérez, Matilde Sra 723-7678
Parada 10
609 Martí, Rafl Guill distr películas 722-0344
Warner Bros FST Nat South Films Inc 722-2505
Cathay Chinese Restr 723-5738
int Genl Sales Agencies Inc distr cosméticos y prod farm 722-1452
611 Avilés, Angel & Associates arq e ing 724-0020
Apartamientos
1A Bayouth Edward Inc, boats 724-0668
2A Deso
1B Phillips, Allen Roy 722-6803
2B Villares Rodríguez, Enrique 722-6962
int Rozas, Edna Inc decoraciones 723-4365
613 Padilla, Carmen Camacho Sra ® 723-3161
Breitenbach, Russell jr
int Marmolería Italiana
615 Roosevelt Apartamientos
Apartamientos:
1 Terrassa Sureda, Antonio 722-6262
2 Daen, Lindsay V 722-9120
3 Pérez Nevárez, Manuel 722-8123
4 García Fernández, Manuel 724-0236
5 Puigdoller Córdova, Idalia 722-8030
6 Betancourt Orfila, Florentino
617 Pan American Hall
Segarra Negrón, Rafl
Refgr Serv Parts Co Inc 722-2502
González Bueno, Manuel
Hormaza Garay, Manuel
619 Miramar Marine 723-1662
Am Tarps Corp 722-2629
621 García Rafael M Inc gomas y baterías 722-1562
Rogers Dairy Bar 723-0837
Apartamientos
1 García Torres, Rafl M 723-5991
2 Castrillo Fabricio, José P 722-2595
3 García Cadorniga, Enrique 722-6066
4 Saldaña Casenave, Edu 723-2571
5 Plá Fernández, Felipe 723-1835
6 Lladó Franco, Juan 723-2894
Villaverde termina
623 Castagnet Fco N Inc farm 723-5300
627 Castle Club 722-3911
Black Angus restr 722-3911
631 Díaz Rivera, Tomás dulces 722-1410, 722-0970
633 Agencia Hípica Miramar (281) 723-5090
635 Otis Elevator Co 722-0642 723-1790
Toro, César A rep fab 722-2483
Apartamientos
1 Sperling, Bruce B dent 723-5571
2 Matos Rivera, Juan F 722-7304
3 Contreras Rodríguez, Tavita 722-3940
4 Cuevas, Lolita 723-5157
5 Romero, José A 723-0821
6 Sin Devolver
Miramar av cruza
Parada 11
640 SJ Darlington Inc 722-4861
Darlington Pharmacy 723-3811
Turismo Intl agcia 724-1297
Roger, Mary L salon belleza 723-2818
Smith, Ernesto E Realtor 723-5203
SJ Darlington Barber Shop 723-2667
Royal Market 722-2757
Darlington Coffee Shop restr 723-5254
PR Tour Inc pasajes
Serv Intl de Sangre Inc banco 722-5528
Carnegie, Dale School negocio
Martínez Villafañe, Héctor méd 723-2778
Alberola, Rafl G
Berlitz School of Languages 722-5573
Darlington Laundry & Dry Cleaners 723-4258
Long Const Co 723-0530
Bartolotta, Anthony J 722-6886
Coru, Julius J 722-1309
Rodríguez, Luis G
Trugon, Jack
Bryman, Harry 722-2586
644 La Gran Cadena Frigidaire enseres elec 723-6020
Covair Corp
646 Thillet, Félix A Inc gomas piezas, accs, autos 722-1552 and 722-3272
Fiesta Club
650 Apartamientos
1 Badillo Vadi, Carlota Sra 722-7800
2 Troyo Alfonso Guisseppe
3 Santiago Rosali Sra 723-7750
4 Torres González Diego 723-5752
5 Deso
6 Brache Gutiérrez, Marta 723-6264
7 Barrango Ojeda, Aurellano
8 Sin Devolver
9 Cobián Cervoni, Contansa Sra 722-8046
10 Sin Devolver
Calle continua
651 González, Ana Heredia Sra 723-6810
652 Vega Rivera, Ernesto
Cartagena, Guill 724-4976
Gandía Figueroa, Miguel A
Vadi Collazo, María J 722-6989
Parada 12
654 De Jesús, Angel R abog 722-4194
De Jesús Realty 722-4194
Central cruza
700 Juliá, Ada 722-4160
Fernández Rivera, Gloria
Lab Clínico Juliá & Fernández 722-4160
701 Morales Rodríguez, Pablo L ©
723-3514
702 Apartamientos Elvira
Apartamientos:
1 Tomás Pinán, Marcos 722-4109
2 Julía, Charles H Hon
3 Castor Olmos, Rafl 722-4669
4 Fabre, Luis
Calle continua
703 Morales Otero, Pablo 722-1375
704 Deso
705 Charriez Vázquez, Gilberto 722-9057
706 Negrón Colón, Julia Sra ©
722-6148
Sánchez Ortíz, Rafl 722-7464
707 Franceschi, Julia Horacio 622-4487
708 Apartamientos
1 Cedeño Ferrer, Fco 722-9148
2 Warden, Johnson 722-1152
3 Deso
4 León Sala, Fco 722-8922
5 Deso
6 Sin Devolver
Calle continua
709 Ortíz Lugo, Miguel 723-1773
710 Iraizoz Rubio, Fdo
Rodríguez Fernández, Ramón
Del Llano Lago, José
Bacardí, Joaquín E jr
Rodríguez Vélez, José
González González, José R
González Del Valle, Eladio
711 García, Antonia Ramis Sra 723-0087
712 Salgado Dixon, Alej
Cruz Fernández, Elías 722-0652
Unión cruza
750 Miramar City Apartments
Apartamientos:
1 Torres Velázquez, Osvaldo
2 Santaella Córdova, Fco 723-3851
3 Santaella Del Toro, Frank 722-3096
4 Fernández Colón, Enrique 722-2716
5 Correras Sécola, Blanca Sra ©
723-7760
6 Fernández Fernández, José L 723-7749
Calle continua
751 Zapata, Aurora Sra 722-7091
int Deso
752 Emmanuelli, Víctor
Torres, Esmeralda
Ruíz, Eusebia
int Rosario, Julia de León Sra
Martínez Negroni, Jorge
Rosen, Aida
Rivera, Victoria
Rosado, Eug
753 Farm Miramar 723-3336
Estado cruza
esq Miramar Super Serv Sta 724-3685
800 Llanos Maldonado, Ismael 722-2946
801 Mora, Enrique vta gomas 722-3354
Del Rosario, Juan E 723-7316
Ayhar, Petra Cruz Sra ©
722-1540
La Paz cruza
Parada 13
804 Lámmer, Carlos R 723-6712
806 González Ramón, Mercedes ©
agte 530 lot 723-5173
807 Stokes Giménez, Carmen G Sra 723-5993
808 Plantas Artificiales Edén 723-9165
Burgos, Consuelo Van de Linde Sra
809 Pérez García, Antonio
722-3573
810 Deso
811 Rodríguez Rodríguez, Bonifacio 722-0277
Concordia cruza
812 Gómez Gordils, Carlos 722-1374
813 López Cruz, Joaquín 723-1758
Somohano, Arturo 723-1758
814 Deso
815 Catalá Torres, Arturo
723-4261
Fernández Denton, Héctor
723-0712
816 Latimer's Servicenter 722-1977
817 Edif San Fdo
Apartamientos:
1 Ydraeh Fournier, Vicente M
2 Skerett Nadal, Ricd jr 722-0997
3 González, Gómez José Ismael 722-5936

Appendix G – Sanborn Maps

Parcel F Hotel, LLC

Boulevard Baldorioty DE Castro

San Juan, PR 00907

Inquiry Number: 7446765.3

September 18, 2023

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/18/23

Site Name:

Parcel F Hotel, LLC
Boulevard Baldorioty DE Castr
San Juan, PR 00907
EDR Inquiry # 7446765.3

Client Name:

CMA Architects & Engineers LLP
1509 Roosevelt Ave Caparra Heights
Guaynabo, PR 00968
Contact: Pedro A Janer

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Certified Sanborn Results:

Certification # EA1D-4A97-8F99

PO # NA

Project Parcel F Hotel

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: EA1D-4A97-8F99

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Appendix H – Observation Report With Photos

CMA ARCHITECTS & ENGINEERS LLC

PHOTOGRAPHIC **LOG**

	September 21, 2023/ 9:00AM
CLIENT/OWNER	OBSERVATION DATE & TIME
Parcel F Hotel LLC	23090
PROJECT NAME – LOCATION	CMA JOB NO.
Pedro Janer, PE	
PRESENT AT THE SITE	

	**Photograph ID:** 1
	Comments: Southwest section Stained soils.
	**Photograph ID:** 2
	Comments: Western section Stained soils.

	**Photograph ID:** 3 **Comments:** General view to the north.
	**Photograph ID:** 4 **Comments:** South section. Waste accumulation
	**Photograph ID:** 5 **Comments:** General view to the east.

	**Photograph ID:** 6
	Comments: General view to the northwest.
	**Photograph ID:** 7
	Comments: Waste accumulation to the southern adjoining parcel.
	**Photograph ID:** 8
	Comments: Waste accumulation to the southern adjoining parcel.

Appendix F

Noise Study

NOISE LEVELS STUDY

HILTON-HAMPTON-HOMEWOOD HOTEL
San Juan Puerto Rico

JULY 06, 2023

CMA ARCHITECTS & ENGINEERS LLC

1509 F.D. ROOSEVELT AVE. GUAYNABO, PR 00968-2612
PO BOX 11490 SAN JUAN, PR 00922-1490

T 787.792.1509
www.cmapr.com

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1.0 INTRODUCTION

PRISA Group has retained the services of CMA Architects & Engineers LLC to carry out a Noise Levels Study at the Parcel F property of the Puerto Rico Convention Center District Authority in the municipality of San Juan. The parcel F is located at Fernández Juncos Avenue and State Road PR-1. This parcel occupies approximately 3,519.9213 square meters. The Project area is bordered to the north by a parking lot, to the south by old Mayagüez Street, to the east by the PR-1 and to the west by Fernández Juncos Ave.

The project consists of the development of a hotel. The main access to the project will be from Fernández Juncos Ave. The project consists of a new hotel and a parking building, both located next to each other in the San Juan Convention District. The proposed hotel will consist of a ten (10) stories building that will accommodate 257 rooms. The proposed gross floor area is approximately 165,647 ft^2 (50,489.21 m^2) including an occupancy area of approximately 20,953 square feet (1946,597 m^2). Figure Number 1 presents an Aerial Photo showing the area under study.

CMA technical personnel obtained the current noise levels on July 6, 2023. Using the obtained field data, the information provided by HHDC, and the current measured noise levels at the project, the future noise levels were estimated. The estimate was carried out by using an estimated yearly traffic flow increase of 0.15% and the Federal Highway Authority Noise Model, TNM 2.5.

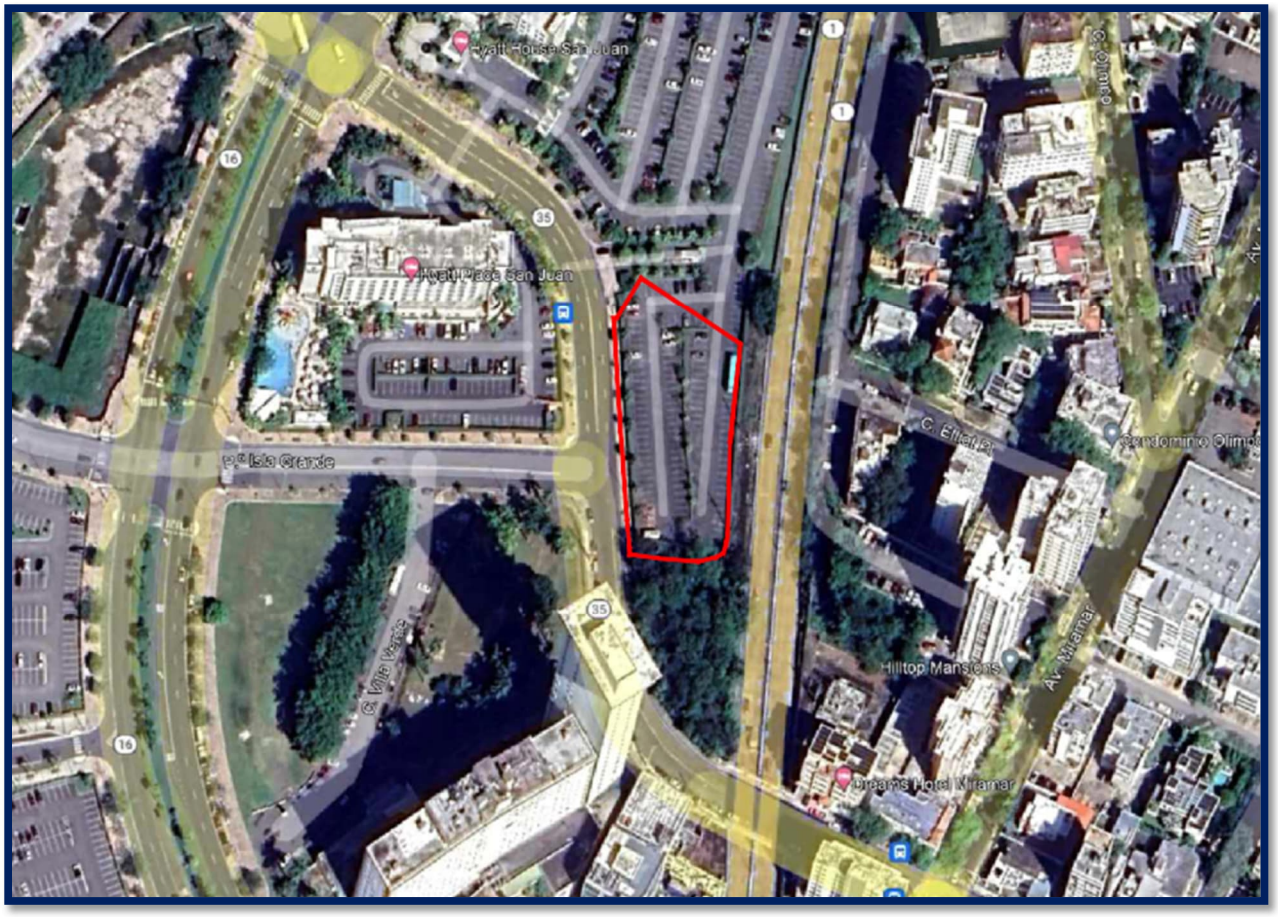


Figure Number 1 – Aerial Photo

The future noise level in the area was estimated to be 68.5 dBA, according to the TNM 2.5 computer model. This level is above the recommended levels established at the Department of Transportation and Public Works Noise Policy.

2.0 REGULATORY BACKGROUND

On May 5, 2011, the Puerto Rico State Department approved the Noise Pollution Control Regulation, as amended, and prepared by the Environmental Quality Board (EQB) in order to establish the regulations for the control, reduction and elimination of the noxious noise to the public health and public welfare, according with the Public Policy Environmental Act.

Rule 27 of this Regulation establishes noise emission limits in different zones. Table Number 1 presents the limits.

Table Number 1 - Noise Level Limits [dB(A)]								
Emitting Source	Zone I (Residential)		Zone II (Commercial)		Zone III (Industrial)		Zone IV (Quiet)	
	Day Period	Night Period	Day Period	Night Period	Day Period	Night Period	Day Period	Night Period
Zone I	60	50	65	55	70	60	55	50
Zone II	65	50	70	60	75	65	55	50
Zone III	65	50	70	65	75	75	55	50
Zone IV	65	50	70	65	75	75	55	50

The area under study includes residential and commercial areas classified as Zone I, and Zone II.

Rule 31 of the above-mentioned regulation establishes criteria to identify conditions that would need traffic noise mitigation. To evaluate the traffic noise, it is required to obtain the one-hour equivalent noise level that corresponds to the time of the day when the traffic noise is higher. The following table shows these criteria.

Table Number 2 – Rule 31 Noise Measurement Criteria		
Category	L_{eq} 1hr (1HL)	Description of Activity Category
A	57_E	Places that require exceptional tranquility and environment preservation.
B	67_E	Residences, hotels, parks, churches, schools, libraries, hospitals
C	72_E	Developments not included at categories A and B.
D	No established limits	Undeveloped lands
E	52_I	Residences, hotels, public buildings, churches, schools, libraries, hospitals, auditoriums, commercial buildings

The Federal Highway Administration approved Noise Abatement Criteria for different types of activities on July 13, 2011. The following table shows this criterion.

Table Number 3 - Noise Abatement Criteria Hourly A-Weighted Sound Level in Decibels		
Activity	$L_{eq}(h)^1$	Description of Activity Category
A	57_E	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B	67_E	Residential
C	67_E	Active sports areas, amphitheaters, auditoriums, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4 (f) sites, schools, television studios, trails, and trail crossings.
D	52_I	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios.

Table Number 3 - Noise Abatement Criteria Hourly A-Weighted Sound Level in Decibels		
Activity	$L_{eq}(h)^1$	Description of Activity Category
E	72_E	Hotels, motels, offices, restaurants/bars/and other developed lands, properties and activities not included in A & D

Notes:

1. The L_{eq} (H) Activity Criteria values are for impact determination only and are not design standards for noise abatement measures.
2. Includes undeveloped lands permitted for this activity category

$_E$ External areas of the receptors included in this study fall in Category B, C & E.

3.0 METHODOLOGY

The 2011 DTPW Noise Criteria establishes that the TNM models need to be validated when using TNM for a project where an existing highway is being improved. To perform this validation, a series of noise measures along a project (obtaining three to four noise samples per sampling point), and simultaneous traffic counts were obtained. After data collection, the obtained data is included at the computer model and the results are compared to the measured. If the difference between those results is within ± 3dB (A) for all the measures at all sampling sites, then the site modelling can be considered valid and can be used to predict the future noise levels. Appendix A shows a copy of the Field Data and Appendix B TNM 2.5 Model Validation Print Out.

In order to carry out the study, a field visit was conducted to measure current noise levels and obtain current traffic volume during traffic peak hour flow. The obtained results were used to determine the impact of the proposed project on the receivers. Three (3) receivers were chosen physically along the proposed project were located for the simulation of the program TNM 2.5.

Two of the receivers were directed towards PR-1 and one receiver towards Fernández Junco Ave. at no more than 500 feet (152 meters) measured from the proposed project (See Figures Number 2 & 3). Appendix A shows a copy of the Field Data and Appendix C TNM 2.5 Print Out 2043 Traffic Flow.

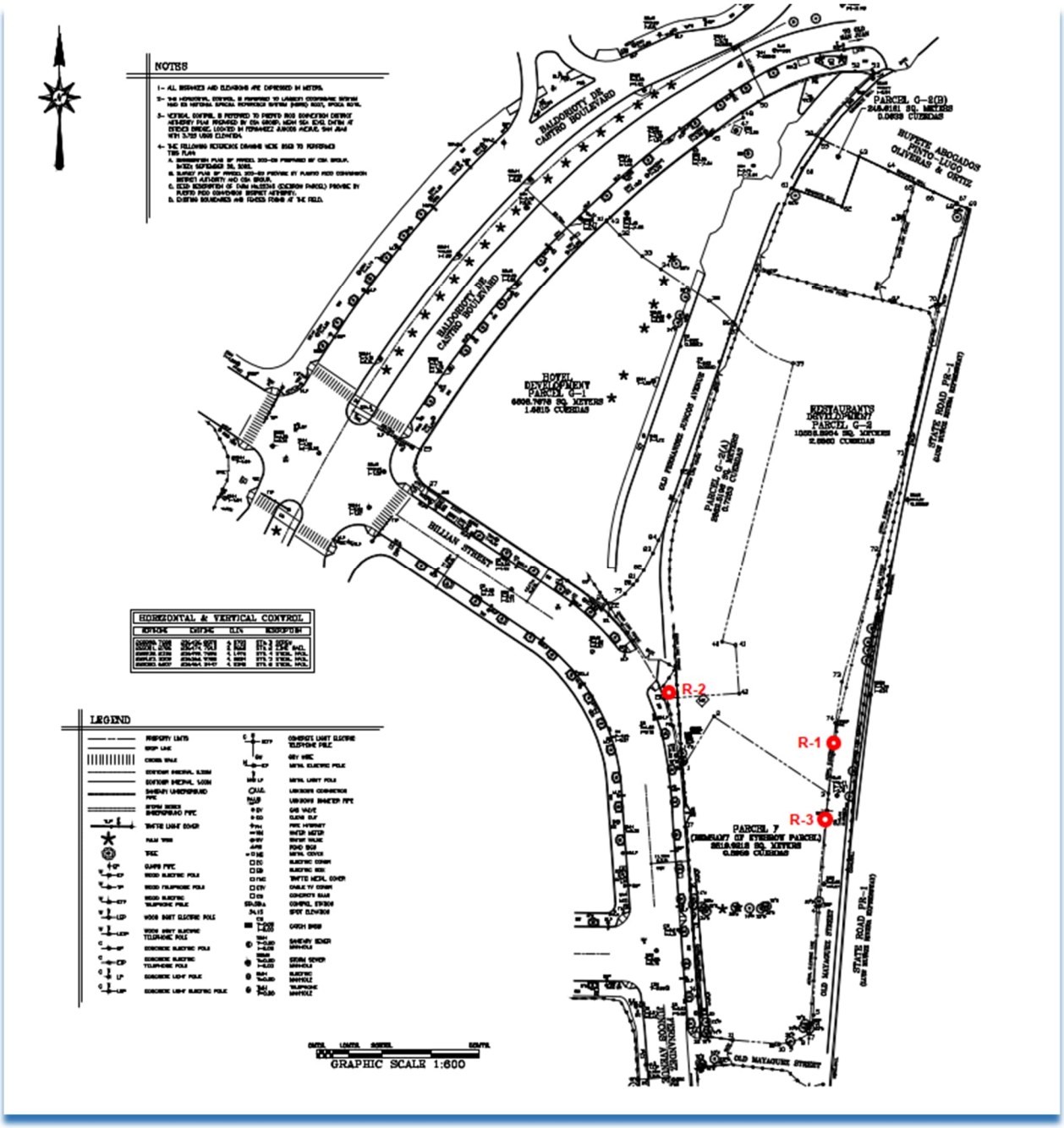


Figure Number 2 – Receivers Location Existing Conditions

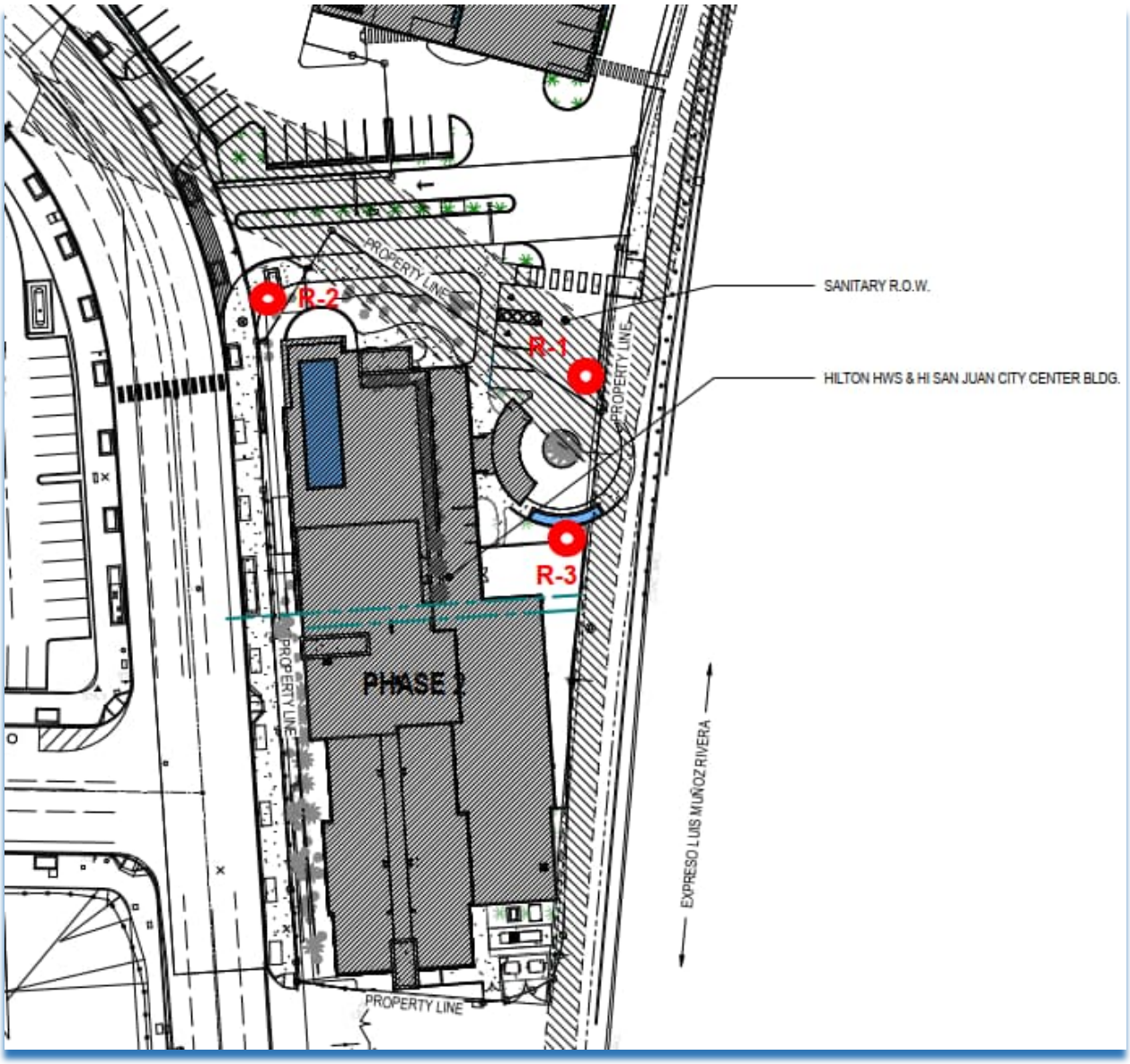


Figure Number 3 – Receivers Location Proposed Condition

The following procedure was followed to conduct the noise level measurements at the field:

1. The sound level meter calibration was verified prior to taking measurements in each of the receivers. The sound level meter is calibrated annually by the manufacturer to maintain the

efficiency of the measurements. Appendix D shows a copy of the annual calibration certificate.

2. The location of the receiver was determined and the distance from the equipment to the emission source was measured.
3. The sound level meter was attached to a 4 feet high tripod.
4. Noise levels were obtained in each receiver by measuring the noise for a period of 30 minutes. At the end of each period, the L_{eq} level of the sound level meter was recorded.
5. The following equipment was used to perform this procedure:
    - Global Positioning System (GPS) Garmin GPS 62stc.
    - Brüel & Kjær 2238 Mediator Sound Level Meter
    - Brüel & Kjær model 4231 Calibrator
    - 4 feet high aluminum tripod

To estimate the future levels to be generated at Fernández Juncos Avenue and PR-1, the computer modeling program TNM version 2.5 was used. Traffic volume data obtained from a Traffic Data Report prepared by Puerto Rico Highways and Transportation Authority, information provided by The Highway Performance Monitoring System (HPMS, 2018), and data obtained from the site visits were also used to create a computerized model. Appendix C shows a copy of the TNM 2.5 Print Out 2043 Expected Traffic Flow.

3.1 Receivers

The following receivers were used to determine the current noise levels and the TNM 2.5 Model Validation adjacent to Fernández Juncos Ave., and PR-1.

- Receiver Number 1: Located adjacent to PR-1 at the east side.

Photo 1- Sampling Point No. 1. View to the East

- Receiver Number 2: Located adjacent Fernández Juncos Ave. at the west side.

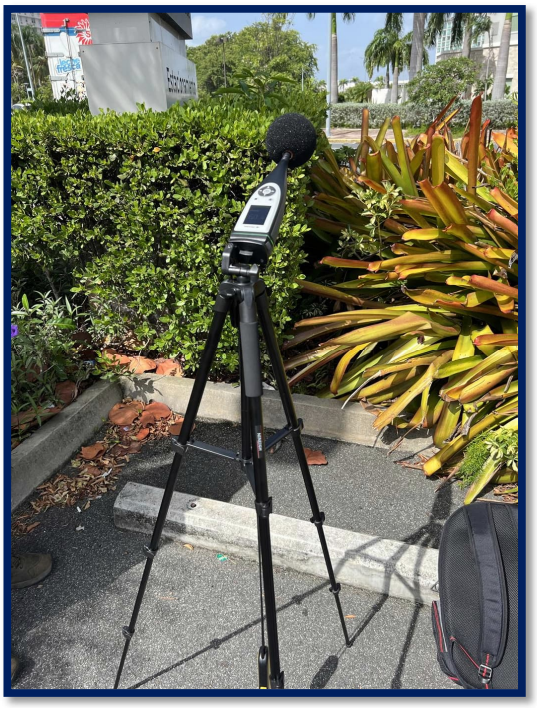


Photo 2 – Sampling Point No. 2 View to the West

- Receiver Number 3: Located adjacent to PR-1, at the west side.

Photo 3 – Sampling Point No. 3 View to the East

The same receivers were used to determine the current and future noise levels inside the existing parcel proposed for development.

4.0 RESULTS DISCUSSION

In order to carry out the study, a field visit was conducted on July 6, 2023, to obtain existing noise levels during typical works day in traffic peak hour flow. The existing noise levels were obtained from 9:12 AM to 11:30 AM. The obtained results were used to determine the current and future noise levels inside side at existing parcels to be developed.

Two receivers (R-1 and R-3) were located adjacent to PR-1 and one receiver (R-2) was located adjacent to Fernández Junco Ave., at no more than 500 feet (152 meters) measured from centerline of the roads.

The following table shows the existing noise levels. These levels will be used as the environmental background noise.

Table Number 4 – Current Noise Levels	
Receiver	Noise Levels L_{eq}[dB(A)]
1	69.5
2	65.0
3	67.2

Using the previously described methodology at Section 3.0, future noise levels in the receivers were obtained. To use TNM, vehicular flow data obtained from the field visits and the Traffic Data Report prepared by Puerto Rico Highways and Transportation Authority, and information provided by The Highway Performance Monitoring System (HPMS, 2018) report. The following Table shows the peak hour traffic volumes for the current and design years. The mathematical model was developed using a maximum velocity of 30 mph for each type of vehicle modelled.

Table Number 5 – Current and Estimated Future Traffic Estimate								
Roadway	2023 Traffic Flow				2043 Traffic Flow			
	Autos	Medium Trucks	Heavy Trucks	Motorcycle	Autos	Medium Trucks	Heavy Trucks	Motorcycle
Fernández Juncos Ave.	156	0	0	0	183	5	4	1
PR-1	2,322	96	48	6	2,717	112	56	8

According to the data obtained, the expected peak hours traffic volume for the year 2043 is 193 vehicles per hour at Fernández Juncos Ave., and 2,893 vehicles per hour at PR-1. The traffic for design year (2043) was estimated using an increase factor of 1% using as a base traffic data obtained from PRHTA. To estimate the different type of vehicles volume, we used a 95% of the peak flow for the regular automobiles flow, 2% of the peak flow to be the medium trucks flow, 2% for heavy trucks and 1% for motorcycles.

4.1 Model Validation

When using FHWA TNM for a project where an existing highway is being improved, it shall be validated to verify its accuracy in predicting future noise levels. To perform this validation, it will be required to collect a series of noise measurements along a project (taking three to four noise measurements per site), along with simultaneous traffic counts. After data collection, model the site and compare the measured and predicted noise levels. If the difference between those results is within ± 3 dB (A) for all the measurements at all sites, then the model can be considered valid and can be used to predict noise levels. If the model results are not within the ± 3 dB(A) range for all measurements at all the sites, then the model is not considered valid until additional measurements are made or until the analyst identifies the reason for discrepancy and makes a correction within the model.

CMA technical personnel collected at the field the necessary data to prepare the model validation runs with TNM. The results of the model validation show levels between the ±3 Db(A) for every of the sampled points. Based on this result, the model can be considered valid. The following table shows a summary of the validation results. Appendix C shows the TNM output for the validation process.

Table Number 6 – TNM 2.5 Model Validation			
Receiver Number	Current Noise Level	TNM 2.5 Noise Level [dB(A)]	Difference [dB(A)]
1	68.3	69.6	1.3
2	63.5	63.2	-0.3
3	67.4	69.7	2.3

4.2 TNM Model Results

The following table shows the TNM model results highlighting the points where the PRHTA maximum noise levels are exceeded.

Table Number 7 – TNM 2.5 Future Noise Level 2043				
Receiver Number	Current Noise Level	TNM 2.5 Future Noise Level 2043 [dB(A)]	Difference [dB(A)]	Noise Abatement Criteria [dB(A)]
1	69.5	70.3	0.8	67.0
2	65.0	65.0	0.0	67.0
3	67.2	70.3	3.1	67.0

4.3 Impacted Receivers and Noise Abatement Measures

Section VI.C of the PRHTA Noise Policy indicates that a traffic noise impact occurs when the predicted existing or future highway traffic noise levels in a receptor approach or exceed the Noise Abatement Criteria (NAC) or when predicted existing or future highway traffic noise levels are substantially exceeded the existing traffic noise level. This definition reflects the FHWA position that traffic noise impacts can occur under either of two separate conditions:

- Future noise levels approach[1] or exceed the NAC; or,
- Future noise levels result in a substantial noise increase over the existing noise environment (substantial noise increase[2]).

4.4 Receiver Number 1

The existing noise level at this receiver is 69.5 dB(A), which is above the PRHTA Noise Abatement Criteria (NAC) of 67 dB(A) for Activity B. The projected future noise level at this receiver was estimated to be 70.3 dB(A), 3.3 dB(A) above the NAC.

4.5 Receiver Number 2

The existing noise level at this receiver is 65.0 dB(A), which is below the PRHTA Noise Abatement Criteria (NAC) of 67 dB(A) for Activity B. The projected future noise level at this receiver was estimated to be 65.0 dB(A), 2 dB(A) below the NAC.

[1] According FHWA Noise Standard – 23 CFR 772 (e) Highway agencies shall establish an approach level to be used when determining a traffic noise impact. The approach level shall be at least 1 dB(A) less than the Noise Abatement Criteria for Activity Categories A to E listed in Table 1 to part 772.
[2] Substantial noise increase. One of two types of highway traffic noise impacts. For a Type I project, an increase in noise levels of 5 to 15 dB(A) in the design year over the existing noise level.

4.6 Receiver Number 3

The existing noise level at this receiver is 67.2 dB(A), which is above the PRHTA Noise Abatement Criteria (NAC) of 67 dB(A) for Activity B. The projected future noise level at this receiver was estimated to be 70.3 dB(A), 3.3 dB(A) above the NAC.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Existing and Future noise levels were measured and estimated in different strategic points that can be affected by noise generated by the traffic along the existing roads. The PRHTA recommended maximum levels limits will be exceeded at two of the three receivers in the projected future noise. Those receivers are R-1 and R-3, which both were directed towards PR-1.

To comply with the International Building Code for multifamily properties, the project design should include walls, doors, and windows with a Sound Transmission Class (STC) of 50 or more. At an STC 50, loud voices may be faintly heard, and overall, good speech privacy is achieved between adjacent apartments and dwellings. STC is a rating of sound isolation of a building wall assembly. The higher the STC rating, the better sound isolation the wall assembly is to achieve. STC is widely used to rate interior partitions, ceilings/floors, doors, and windows. A copy of the project specifications section regarding STC is included as Appendix E.

In addition, it is advisable to mitigate with new vegetation on the Right of Way of the PR-1 highway to maintain a natural noise barrier.

This report was carried out based on the field visits on July 6, 2023, and the Traffic Reports prepared by ACT. Any changes to the above-referenced documents could affect the obtained results and a new study would need to be prepared.

Respectfully submitted by:

Pedro A. Janer
TNM User 65316
CMA Architects & Engineers LLP

6.0 GLOSSARY

AADT	Average Annual Daily Traffic
dB(A)	The total sound pressure of all the sounds in decibels as measured in a sound meter with a 20 micro-Pascal reference pressure using the sound meter measuring scale A and the unit is expressed as dB(A).
Decibel (dB)	A measuring unit to quantify the sound intensity, equal to 20 times the base 10 logarithm of the sound pressure ratio, measured at the reference pressure, which is 20 micro-Pascal.
L_{10}	Scale A sound level that is exceeded by 10% of time during a consideration period.
Equivalent Sound Level (L_{eq})	Equivalent continuous sound level. In other words, the constant level, dB(A), that can produce the same sound energy as a variant sound specified in a specified time.
Diurnal Period	Period between 7:01 AM y 10:00 PM
Nocturnal Period	Period between 10:01 PM y 7:00 AM
Noise	Undesired sounds that affect humans in a psychological or physical manner or exceed the limitations established in the Regulation.
NRC	Noise Reduction Coefficient
Substantial noise increase	One of two types of highway traffic noise impacts. For Type I project, an increase in noise levels of 5 to 15 dB(A) in the design year over the existing noise level.

Type I Project	(1) The construction of a highway on new location; or, (2) The physical alteration of an existing highway where there is either: (i) Substantial Horizontal Alteration. A project that halves the distance between the traffic noise source and the closest receptor between the existing condition to the future build condition; or, (ii) Substantial Vertical Alteration. A project that removes shielding therefore exposing the line-of-sight between the receptor and the traffic noise source. This is done by either altering the vertical alignment of the highway or by altering the topography between the highway traffic noise source and the receptor; or, (3) The addition of a through-traffic lane(s). This includes the addition of a through-traffic lane that functions as a HOV lane, High-Occupancy Toll (HOT) lane, bus lane, or truck climbing lane; or, (4) The addition of an auxiliary lane, except for when the auxiliary lane is a turn lane; or, (5) The addition or relocation of interchange lanes or ramps added to a quadrant to complete an existing partial interchange; or, (6) Restriping existing pavement for the purpose of adding a through-traffic lane or an auxiliary lane; or, (7) The addition of a new or substantial alteration of a weigh station, rest stop, ride-share lot, or toll plaza. (8) If a project is determined to be a Type I project under this definition, then the entire project area as defined in the environmental document is a Type I project.
vph	Vehicles per hour

7.0 REFERENCES

1. Bruel & Kjær, Measuring Sound, Revised September 1984.
2. Bruel & Kjær, Precision Integrating Sound Level Meter – Type 2236, Owner's Manual, Denmark.
3. Environmental Quality Board, Regulation for the Control of Noise Pollution, Version Amended, May 5, 2011.
4. Federal Highways Administration, STAMINA 2.0 / OPTIMA User's Manual, April 1982.
5. Federal Highways Administration, Highway Traffic Noise Analysis and Abatement; Policy and Guidance, June 1995.
6. Federal Highways Administration, Procedures for Abatement of Highway Traffic Noise and Construction Noise, 23 CFR Part 772.
7. Federal highways Administration, Highway Noise in the United States; Problem and Response, August 1997.
8. McGraw Hill, Inc., Standard Handbook of Environmental Engineering, First Edition, 1990.
9. Puerto Rico Highways & Transportation Authority, Noise Policy in the Development and Operation of Transportation Project, 2011.

APPENDIXES

APPENDIX A

FIELD DATA

CMA
ARCHITECTS &
ENGINEERS LLC

Noise Impact Analysis
Field Data Sheet

Project Name: Two Branded Hotel - Dist. Conversions		Date: 07/06/2023
Receiver Description & Location: R-1		
CMA No.: 23090		Start: 9:12 AM
		End: 9:42 AM
Results:	L_{10} = 71.4	L_{eq} = 69.5
	L_{max} = 91.4	L_{min} = 57.3
*Equipment: B&K 2238	Calibrator: B&K 4231	Response: Fast
A-Weighting ☐	Battery Check ☒	Calibration ☒
Weather Data:	Wind Direction: E	Temperature: 91.9°F / RH- 65.8%
	**Wind Velocity: 1.9 mph	Elevation:
Coordinates	Latitude: 18° 27' 20" N	Longitude: 66° 5' 13" W

*Equipment placed 1.5m (5 feet) above the ground on a tripod.
** No noise reading were recorded when the wind speed exceed a sustained 10 mph.

Background *Noise Sensitive Receivers	Parking (Proposed new hotel site)
Major Sources	PR-1, cars, trucks, airplanes, helicopters
Unusual Events Noise Contamination	truck at parking, garbage trucks, loud music from car at parking lot.

* Noise sensitive areas typically include residences, school, libraries, churches and temple, hospitals, recreation and sports area, playground, hotel, motels and parks.

TRAFFIC COUNTS AND VEHICULES CLASSIFICATION		
Vehicles	Directions	Quantity
Automobiles	TO SS	78
	TO KSS	139
Medium-duty trucks	TO SS	4
	TO KSS	4
Heavy-duty trucks	TO SS	1
	TO KSS	4
Motorcycle	TO SS	0
	TO KSS	1

Speed Limit on the main line highway: _____

Automobile – two axles and four tires
Medium duty trucks –two axles and six tires
Heavy duty trucks – three or more axles

Data Obtained By: Juan Fernandez / Allen Torres

CMA
ARCHITECTS &
ENGINEERS LLC

Noise Impact Analysis
Field Data Sheet

Project Name: Two Branded Hotel - Dist. Conversions		**Date:** 07/06/2023
Receiver Description & Location: R-1 Validation		
CMA No.: 23090		**Start:** 10:33 AM / 10:38 AM / 10:42 AM **End:** 10:36 AM / 10:41 AM / 10:45 AM
Results:	L_{10} = 71.3 / 71.2 / 69.7	L_{eq} = 68.9 / 68.6 / 67.3
	L_{max} = 75.9 / 77.8 / 77.1	L_{min} = 59.9 / 54.9 / 58.0
***Equipment:** B&K 2238	**Calibrator:** B&K 4231	**Response:** Fast
A-Weighting ☐	**Battery Check** ☒	**Calibration** ☒
Weather Data:	**Wind Direction:**	**Temperature:**
	****Wind Velocity:**	**Elevation:**
Coordinates	**Latitude:**	**Longitude:**

*Equipment placed 1.5m (5 feet) above the ground on a tripod.
** No noise reading were recorded when the wind speed exceed a sustained 10 mph.

Background *Noise Sensitive Receivers	Parking (Proposed new hotel site)
Major Sources	PL-1, cars, trucks, airplanes, helicopters
Unusual Events Noise Contamination	

* Noise sensitive areas typically include residences, school, libraries, churches and temple, hospitals, recreation and sports area, playground, hotel, motels and parks.

TRAFFIC COUNTS AND VEHICULES CLASSIFICATION			
Vehicles	Directions	Quantity	
Automobiles	To S5	40 / 52	39
	To VBS	82 / 81	71
Medium-duty trucks	To S5	1 / 2	2
	To VBS	1 / 0	1
Heavy-duty trucks	To S5	0 / 1	1
	To VBS	4 / 1	1
Motorcycle	To S5	0 / 0	0
	To VBS	2 / 0	0

Speed Limit on the main line highway: _____

Automobile – two axles and four tires
Medium duty trucks –two axles and six tires
Heavy duty trucks – three or more axles

Data Obtained By: Juan Fernandez / Allen Torres

CMA ARCHITECTS & ENGINEERS LLC

Noise Impact Analysis
Field Data Sheet

Project Name: Two Branded Hotel - Dfg. Conversiones		**Date:** 07/06/2023
Receiver Description & Location: R-2		
CMA No.: 23090		**Start:** 9:46 AM **End:** 10:16 AM
Results:	L_{10} = 65.5 L_{max} = 89.1	L_{eq} = 65.0 L_{min} = 55.1
***Equipment:** B&K 2238	**Calibrator:** B&K 4231	**Response:** Fast
A-Weighting ☐	**Battery Check** ☐	**Calibration** ☐
Weather Data:	**Wind Direction:** E ****Wind Velocity:** 16 mph	**Temperature:** 96.5°F / RH-54.6% **Elevation:**
Coordinates	**Latitude:** 18° 27' 20" N	**Longitude:** 66° 5' 15" W

*Equipment placed 1.5m (5 feet) above the ground on a tripod.
** No noise reading were recorded when the wind speed exceed a sustained 10 mph.

Background *Noise Sensitive Receivers	Parking (Proposed new hotel Site)
Major Sources	PR-35, cars, trucks, airplanes, helicopters.
Unusual Events Noise Contamination	sprinklers

* Noise sensitive areas typically include residences, school, libraries, churches and temple, hospitals, recreation and sports area, playground, hotel, motels and parks.

TRAFFIC COUNTS AND VEHICULES CLASSIFICATION		
Vehicles	Directions	Quantity
Automobiles	~~TO~~ SS	7
	~~TO~~ VSS	6
Medium-duty trucks	~~TO~~ SS	0
	~~TO~~ VSS	0
Heavy-duty trucks	~~TO~~ SS	0
	~~TO~~ VSS	0
Motorcycle	~~TO~~ SS	0
	~~TO~~ VSS	0

Speed Limit on the main line highway: _____

Automobile – two axles and four tires
Medium duty trucks –two axles and six tires
Heavy duty trucks – three or more axles

Data Obtained By: Juan Fernández / Allen Torres

CMA ARCHITECTS & ENGINEERS LLC

Noise Impact Analysis
Field Data Sheet

Project Name: Two Branded Hotel - Dist. Conversiones	Date: 07/06/2023
Receiver Description & Location: R-2 Validation	

CMA No.: 23090		Start: 10:16 AM / 10:21 AM / 10:28 AM End: 10:19 AM / 10:24 AM / 10:31 AM
Results:	L_{10} = 64.10 / 69.1 / 66.5	L_{eq} = 61.9 / 65.1 / 63.10
	L_{max} = 70.2 / 74.0 / 76.9	L_{min} = 58.2 / 58.4 / 58.0
*Equipment: B&K 2238	Calibrator: B&K 4231	Response: Fast
A-Weighting ☐	Battery Check ☑	Calibration ☑
Weather Data:	Wind Direction:	Temperature:
	**Wind Velocity:	Elevation:
Coordinates	Latitude:	Longitude:

*Equipment placed 1.5m (5 feet) above the ground on a tripod.
** No noise reading were recorded when the wind speed exceed a sustained 10 mph.

Background *Noise Sensitive Receivers	Parking (Proposed new hotel site)
Major Sources	PR-35, cars, trucks, airplanes, helicopters.
Unusual Events Noise Contamination	

* Noise sensitive areas typically include residences, school, libraries, churches and temple, hospitals, recreation and sports area, playground, hotel, motels and parks.

TRAFFIC COUNTS AND VEHICULES CLASSIFICATION				
Vehicles	Directions	Quantity		
Automobiles	TO SS	8	4	3
	TO VSS	1	3	1
Medium-duty trucks	TO SS	0	0	1
	TO VSS	0	0	0
Heavy-duty trucks	TO SS	0	0	0
	TO VSS	0	0	0
Motorcycle	TO SS	0	0	0
	TO VSS	0	0	0

Speed Limit on the main line highway: _____

Automobile – two axles and four tires
Medium duty trucks –two axles and six tires
Heavy duty trucks – three or more axles

Data Obtained By: Juan Fernandez / Allen Torres

CMA
ARCHITECTS &
ENGINEERS LLC

Noise Impact Analysis
Field Data Sheet

Project Name: Two Branded Hotel - Dif. Conversiones		**Date:** 07/06/2023
Receiver Description & Location: R-3		
CMA No.: 23090		**Start:** 11:00 AM **End:** 11:30 AM
Results:	L_{10} = 69.5 L_{max} = 76.4	L_{eq} = 67.2 L_{min} = 53.3
***Equipment:** B&K 2238	**Calibrator:** B&K 4231	**Response:** Fast
A-Weighting ☐	**Battery Check** ☑	**Calibration** ☑
Weather Data:	**Wind Direction:** E ****Wind Velocity:**	**Temperature:** 90.8°F / RH- 66.1% **Elevation:**
Coordinates	**Latitude:** 18° 27' 23" N	**Longitude:** 66° 51' 13" W

*Equipment placed 1.5m (5 feet) above the ground on a tripod.
** No noise reading were recorded when the wind speed exceed a sustained 10 mph.

Background *Noise Sensitive Receivers	Parking (Proposed new hotel site)
Major Sources	PR-1, cars, trucks, airplanes, helicopters
Unusual Events Noise Contamination	

* Noise sensitive areas typically include residences, school, libraries, churches and temple, hospitals, recreation and sports area, playground, hotel, motels and parks.

TRAFFIC COUNTS AND VEHICULES CLASSIFICATION		
Vehicles	Directions	Quantity
Automobiles	TO SJS	80
	TO VSS	135
Medium-duty trucks	TO SJS	5
	TO VSS	3
Heavy-duty trucks	TO SJS	1
	TO VSS	2
Motorcycle	TO SJS	0
	TO VSS	0

Speed Limit on the main line highway: _____

Automcbile – two axles and four tires
Medium duty trucks –two axles and six tires
Heavy duty trucks – three or more axles

Data Obtained By: Juan Fernandez / Allen Torres

CMA
ARCHITECTS &
ENGINEERS LLC

Noise Impact Analysis
Field Data Sheet

Project Name: Two Branded Hotel - DRB Comments		Date: 07 / 06 / 2023
Receiver Description & Location: R-3 Validation		
CMA No.: 23090		Start:
		End:
Results:	L_{10} =	L_{eq} =
	L_{max} =	L_{min} =
*Equipment: B&K 2238	Calibrator: B&K 4231	Response: Fast
A-Weighting ☐	Battery Check ☐	Calibration ☐
Weather Data:	Wind Direction:	Temperature:
	**Wind Velocity:	Elevation:
Coordinates	Latitude:	Longitude:

*Equipment placed 1.5m (5 feet) above the ground on a tripod.
** No noise reading were recorded when the wind speed exceed a sustained 10 mph.

Background *Noise Sensitive Receivers	Parking (Proposed new hotel site)
Major Sources	PR-1, cars, trucks, airplanes, helicopters
Unusual Events Noise Contamination	

* Noise sensitive areas typically include residences, school, libraries, churches and temple, hospitals, recreation and sports area, playground, hotel, motels and parks.

TRAFFIC COUNTS AND VEHICULES CLASSIFICATION				
Vehicles	Directions	Quantity		
Automobiles	TO SS	58	40	51
	TO VSS	66	76	99
Medium-duty trucks	TO SS	1	0	0
	TO VSS	0	1	0
Heavy-duty trucks	TO SS	3	0	2
	TO VSS	4	2	1
Motorcycle	TO SS	2	2	0
	TO VSS	0	0	1

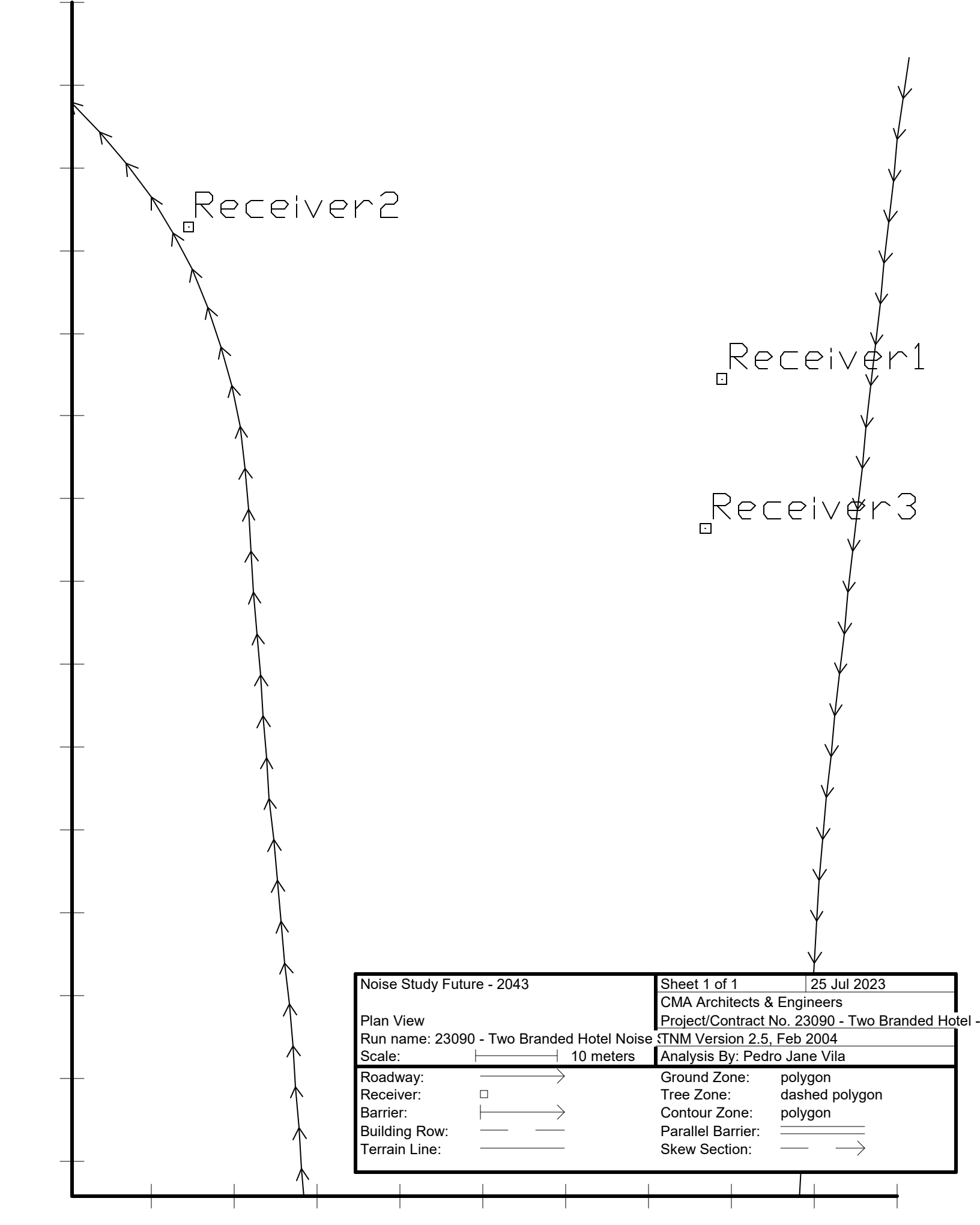
Speed Limit on the main line highway: _____

Automobile – two axles and four tires
Medium duty trucks –two axles and six tires
Heavy duty trucks – three or more axles

Data Obtained By: Juan Fernandez / Allen Torres

APPENDIX B

TNM 2.5 MODEL VALIDATION PRINTOUT



Noise Study Future - 2043		Sheet 1 of 1	25 Jul 2023
		CMA Architects & Engineers	
Plan View		Project/Contract No. 23090 - Two Branded Hotel -	
Run name: 23090 - Two Branded Hotel Noise S		TNM Version 2.5, Feb 2004	
Scale:	10 meters	Analysis By: Pedro Jane Vila	
Roadway:		Ground Zone:	polygon
Receiver:		Tree Zone:	dashed polygon
Barrier:		Contour Zone:	polygon
Building Row:		Parallel Barrier:	
Terrain Line:		Skew Section:	

CMA Architects & Engineers, LLC
Pedro Janer Vila

25 July 2023
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 23090 - Two Branded Hotel - Noise Study
RUN: Validation - 2023
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 32 deg C, 62% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	No Barrier Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receiver3	1	1	67.4	69.7	67	2.3	10	Snd Lvl	69.7	0.0	10	-10.0
Receiver2	2	1	63.5	63.2	67	-0.3	10	----	63.2	0.0	10	-10.0
Receiver1	3	1	68.3	69.6	67	1.3	10	Snd Lvl	69.6	0.0	10	-10.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	3	0.0	0.0	0.0
All Impacted	2	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

CMA Architects & Engineers, LLC **25 July 2023**
Pedro Janer Vila **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **23090 - Two Branded Hotel - Noise Study**
RUN: **Validation - 2023**

Roadway	Points		Segment									
Name	Name	No.	User 1		User 2		User 3		User 4		<unknown>	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	km/h	veh/hr	km/h	veh/hr	km/h	veh/hr	km/h	veh/hr	km/h
Fernández Juncos Ave.	point1	1										
	point2	2										
	point3	3										
	point4	4										
	point5	5										
	point6	6										
	point7	7										
	point8	8										
	point9	9										
	point10	10										
	point11	11										
	point12	12										
	point13	13										
	point14	14										
	point15	15										
	point16	16										
	point17	17										
	point18	18										
	point19	19										
	point20	20										
	point21	21										
	point22	22										
	point23	23										

	point24	24										
	point25	25										
	point26	26										
	point27	27										
	point28	28										
	point29	29										
PR-1	point30	30										
	point31	31										
	point32	32										
	point33	33										
	point34	34										
	point35	35										
	point36	36										
	point37	37										
	point38	38										
	point39	39										
	point40	40										
	point41	41										
	point42	42										
	point43	43										
	point44	44										
	point45	45										
	point46	46										
	point47	47										
	point48	48										
	point49	49										
	point50	50										
	point51	51										
	point52	52										
	point53	53										
	point54	54										
	point55	55										
	point56	56										
	point57	57										
	point58	58										

CMA Architects & Engineers, LLC **25 July 2023**
Pedro Janer Vila **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **23090 - Two Branded Hotel - Noise Study**
RUN: **Validation - 2023**

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	km/h	veh/hr	km/h	veh/hr	km/h	veh/hr	km/h	veh/hr	km/h
Fernández Juncos Ave.	point1	1	133	40	7	40	0	0	0	0	0	0
	point2	2	133	40	7	40	0	0	0	0	0	0
	point3	3	133	40	7	40	0	0	0	0	0	0
	point4	4	133	40	7	40	0	0	0	0	0	0
	point5	5	133	40	7	40	0	0	0	0	0	0
	point6	6	133	40	7	40	0	0	0	0	0	0
	point7	7	133	40	7	40	0	0	0	0	0	0
	point8	8	133	40	7	40	0	0	0	0	0	0
	point9	9	133	40	7	40	0	0	0	0	0	0
	point10	10	133	40	7	40	0	0	0	0	0	0
	point11	11	133	40	7	40	0	0	0	0	0	0
	point12	12	133	40	7	40	0	0	0	0	0	0
	point13	13	133	40	7	40	0	0	0	0	0	0
	point14	14	133	40	7	40	0	0	0	0	0	0
	point15	15	133	40	7	40	0	0	0	0	0	0
	point16	16	133	40	7	40	0	0	0	0	0	0
	point17	17	133	40	7	40	0	0	0	0	0	0
	point18	18	133	40	7	40	0	0	0	0	0	0
	point19	19	133	40	7	40	0	0	0	0	0	0
	point20	20	133	40	7	40	0	0	0	0	0	0
	point21	21	133	40	7	40	0	0	0	0	0	0
	point22	22	133	40	7	40	0	0	0	0	0	0
	point23	23	133	40	7	40	0	0	0	0	0	0

	point24	24	133	40	7	40	0	0	0	0	0	0
	point25	25	133	40	7	40	0	0	0	0	0	0
	point26	26	133	40	7	40	0	0	0	0	0	0
	point27	27	133	40	7	40	0	0	0	0	0	0
	point28	28	133	40	7	40	0	0	0	0	0	0
	point29	29										
PR-1	point30	30	2470	64	30	64	67	64	0	0	23	64
	point31	31	2470	64	30	64	67	64	0	0	23	64
	point32	32	2470	64	30	64	67	64	0	0	23	64
	point33	33	2470	64	30	64	67	64	0	0	23	64
	point34	34	2470	64	30	64	67	64	0	0	23	64
	point35	35	2470	64	30	64	67	64	0	0	23	64
	point36	36	2470	64	30	64	67	64	0	0	23	64
	point37	37	2470	64	30	64	67	64	0	0	23	64
	point38	38	2470	64	30	64	67	64	0	0	23	64
	point39	39	2470	64	30	64	67	64	0	0	23	64
	point40	40	2470	64	30	64	67	64	0	0	23	64
	point41	41	2470	64	30	64	67	64	0	0	23	64
	point42	42	2470	64	30	64	67	64	0	0	23	64
	point43	43	2470	64	30	64	67	64	0	0	23	64
	point44	44	2470	64	30	64	67	64	0	0	23	64
	point45	45	2470	64	30	64	67	64	0	0	23	64
	point46	46	2470	64	30	64	67	64	0	0	23	64
	point47	47	2470	64	30	64	67	64	0	0	23	64
	point48	48	2470	64	30	64	67	64	0	0	23	64
	point49	49	2470	64	30	64	67	64	0	0	23	64
	point50	50	2470	64	30	64	67	64	0	0	23	64
	point51	51	2470	64	30	64	67	64	0	0	23	64
	point52	52	2470	64	30	64	67	64	0	0	23	64
	point53	53	2470	64	30	64	67	64	0	0	23	64
	point54	54	2470	64	30	64	67	64	0	0	23	64
	point55	55	2470	64	30	64	67	64	0	0	23	64
	point56	56	2470	64	30	64	67	64	0	0	23	64
	point57	57	2470	64	30	64	67	64	0	0	23	64
	point58	58										

CMA Architects & Engineers, LLC **25 July 2023**
Pedro Janer Vila **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **23090 - Two Branded Hotel - Noise Study**
RUN: **Validation - 2023**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	km/h	veh/hr	km/h	veh/hr	km/h	veh/hr	km/h	veh/hr	km/h
Fernández Juncos Ave.	point1	1	133	40	7	40	0	0	0	0	0	0
	point2	2	133	40	7	40	0	0	0	0	0	0
	point3	3	133	40	7	40	0	0	0	0	0	0
	point4	4	133	40	7	40	0	0	0	0	0	0
	point5	5	133	40	7	40	0	0	0	0	0	0
	point6	6	133	40	7	40	0	0	0	0	0	0
	point7	7	133	40	7	40	0	0	0	0	0	0
	point8	8	133	40	7	40	0	0	0	0	0	0
	point9	9	133	40	7	40	0	0	0	0	0	0
	point10	10	133	40	7	40	0	0	0	0	0	0
	point11	11	133	40	7	40	0	0	0	0	0	0
	point12	12	133	40	7	40	0	0	0	0	0	0
	point13	13	133	40	7	40	0	0	0	0	0	0
	point14	14	133	40	7	40	0	0	0	0	0	0
	point15	15	133	40	7	40	0	0	0	0	0	0
	point16	16	133	40	7	40	0	0	0	0	0	0
	point17	17	133	40	7	40	0	0	0	0	0	0
	point18	18	133	40	7	40	0	0	0	0	0	0
	point19	19	133	40	7	40	0	0	0	0	0	0
	point20	20	133	40	7	40	0	0	0	0	0	0
	point21	21	133	40	7	40	0	0	0	0	0	0
	point22	22	133	40	7	40	0	0	0	0	0	0
	point23	23	133	40	7	40	0	0	0	0	0	0

	point24	24	133	40	7	40	0	0	0	0	0	0
	point25	25	133	40	7	40	0	0	0	0	0	0
	point26	26	133	40	7	40	0	0	0	0	0	0
	point27	27	133	40	7	40	0	0	0	0	0	0
	point28	28	133	40	7	40	0	0	0	0	0	0
	point29	29										
PR-1	point30	30	2470	40	30	40	67	40	0	0	23	40
	point31	31	2470	40	30	40	67	40	0	0	23	40
	point32	32	2470	40	30	40	67	40	0	0	23	40
	point33	33	2470	40	30	40	67	40	0	0	23	40
	point34	34	2470	40	30	40	67	40	0	0	23	40
	point35	35	2470	40	30	40	67	40	0	0	23	40
	point36	36	2470	40	30	40	67	40	0	0	23	40
	point37	37	2470	40	30	40	67	40	0	0	23	40
	point38	38	2470	40	30	40	67	40	0	0	23	40
	point39	39	2470	40	30	40	67	40	0	0	23	40
	point40	40	2470	40	30	40	67	40	0	0	23	40
	point41	41	2470	40	30	40	67	40	0	0	23	40
	point42	42	2470	40	30	40	67	40	0	0	23	40
	point43	43	2470	40	30	40	67	40	0	0	23	40
	point44	44	2470	40	30	40	67	40	0	0	23	40
	point45	45	2470	40	30	40	67	40	0	0	23	40
	point46	46	2470	40	30	40	67	40	0	0	23	40
	point47	47	2470	40	30	40	67	40	0	0	23	40
	point48	48	2470	40	30	40	67	40	0	0	23	40
	point49	49	2470	40	30	40	67	40	0	0	23	40
	point50	50	2470	40	30	40	67	40	0	0	23	40
	point51	51	2470	40	30	40	67	40	0	0	23	40
	point52	52	2470	40	30	40	67	40	0	0	23	40
	point53	53	2470	40	30	40	67	40	0	0	23	40
	point54	54	2470	40	30	40	67	40	0	0	23	40
	point55	55	2470	40	30	40	67	40	0	0	23	40
	point56	56	2470	40	30	40	67	40	0	0	23	40
	point57	57	2470	40	30	40	67	40	0	0	23	40
	point58	58										

CMA Architects & Engineers, LLC					**25 July 2023**						
Pedro Janer Vila					**TNM 2.5**						
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**23090 - Two Branded Hotel - Noise Study**						**a State highway agency substantiates the use**				
RUN:	**Validation - 2023**						**of a different type with the approval of FHWA**				
Roadway		**Points**									
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**	
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**
	m			m	m	m		km/h	%		
Fernández Juncos Ave.	3.7	point1	1	236,528.3	268,794.2	7.10				Average	
		point2	2	236,527.9	268,799.2	6.97				Average	
		point3	3	236,527.6	268,804.2	6.91				Average	
		point4	4	236,527.2	268,809.2	6.81				Average	
		point5	5	236,526.8	268,814.1	6.65				Average	
		point6	6	236,526.4	268,819.1	6.55				Average	
		point7	7	236,525.9	268,824.1	6.45				Average	
		point8	8	236,525.4	268,829.1	6.35				Average	
		point9	9	236,524.9	268,834.1	6.21				Average	
		point10	10	236,524.5	268,839.0	6.01				Average	
		point11	11	236,523.9	268,844.0	5.87				Average	
		point12	12	236,523.6	268,848.9	5.78				Average	
		point13	13	236,523.2	268,853.9	5.64				Average	
		point14	14	236,522.9	268,858.9	5.53				Average	
		point15	15	236,522.5	268,863.9	5.51				Average	
		point16	16	236,522.1	268,868.9	5.48				Average	
		point17	17	236,521.8	268,873.9	5.37				Average	
		point18	18	236,521.4	268,878.9	5.24				Average	
		point19	19	236,521.0	268,883.9	5.11				Average	
		point20	20	236,520.5	268,888.9	5.16				Average	
		point21	21	236,519.5	268,893.8	5.02				Average	
		point22	22	236,518.2	268,898.6	4.86				Average	
		point23	23	236,516.6	268,903.3	4.72				Average	
		point24	24	236,514.6	268,907.9	4.72				Average	
		point25	25	236,512.3	268,912.3	4.62				Average	

		point26	26	236,509.7	268,916.6	4.53				Average	
		point27	27	236,506.7	268,920.7	4.43				Average	
		point28	28	236,503.5	268,924.5	4.17				Average	
		point29	29	236,500.0	268,928.1	4.00					
PR-1	3.7	point30	30	236,601.3	268,933.5	2.80				Average	
		point31	31	236,600.6	268,928.6	2.90				Average	
		point32	32	236,599.9	268,923.6	3.10				Average	
		point33	33	236,599.4	268,918.6	3.30				Average	
		point34	34	236,598.9	268,913.7	3.40				Average	
		point35	35	236,598.3	268,908.7	3.50				Average	
		point36	36	236,597.8	268,903.7	3.50				Average	
		point37	37	236,597.2	268,898.8	3.60				Average	
		point38	38	236,596.7	268,893.8	3.70				Average	
		point39	39	236,596.1	268,888.8	3.80				Average	
		point40	40	236,595.6	268,883.9	3.90				Average	
		point41	41	236,595.1	268,878.9	3.90				Average	
		point42	42	236,594.5	268,873.9	4.00				Average	
		point43	43	236,593.9	268,868.9	4.00				Average	
		point44	44	236,593.4	268,863.9	4.00				Average	
		point45	45	236,592.9	268,859.0	4.10				Average	
		point46	46	236,592.3	268,854.0	4.20				Average	
		point47	47	236,591.8	268,849.1	4.20				Average	
		point48	48	236,591.3	268,844.1	4.30				Average	
		point49	49	236,590.8	268,839.1	4.30				Average	
		point50	50	236,590.4	268,834.1	4.30				Average	
		point51	51	236,590.1	268,829.1	4.30				Average	
		point52	52	236,589.8	268,824.1	4.30				Average	
		point53	53	236,589.5	268,819.2	4.30				Average	
		point54	54	236,589.2	268,814.2	4.20				Average	
		point55	55	236,588.9	268,809.2	4.00				Average	
		point56	56	236,588.6	268,804.2	3.80				Average	
		point57	57	236,588.2	268,799.2	3.70				Average	
		point58	58	236,587.9	268,794.2	3.70					

CMA Architects & Engineers, LLC						**25 July 2023**					
Pedro Janer Vila						**TNM 2.5**					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	**23090 - Two Branded Hotel - Noise Study**										
RUN:	**Validation - 2023**										
Receiver											
Name	**No.**	**#DUs**	**Coordinates (ground)**			**Height**	**Input Sound Levels and Criteria**				**Active**
			X	**Y**	**Z**	**above**	**Existing**	**Impact Criteria**		**NR**	**in**
						Ground	**LAeq1h**	**LAeq1h**	**Sub'l**	**Goal**	**Calc.**
			m	m	m	m	dBA	dBA	dB	dB	
Receiver3	1	1	236,576.7	268,875.6	5.55	1.50	67.40	67	10.0	10.0	Y
Receiver2	2	1	236,514.2	268,913.0	4.72	1.50	63.50	67	10.0	10.0	Y
Receiver1	3	1	236,578.7	268,894.7	5.22	1.50	68.30	67	10.0	10.0	Y

CMA Architects & Engineers, LLC			**25 July 2023**	
Pedro Janer Vila			**TNM 2.5**	
			Calculated with TNM 2.5	
RESULTS: SOUND-LEVEL DIAGNOSIS BY VEHICLE TYPE				
PROJECT/CONTRACT:	**23090 - Two Branded Hotel - Noise Study**			
RUN:	**Validation - 2023**			
BARRIER DESIGN:	**INPUT HEIGHTS**			
ATMOSPHERICS:	**32 deg C, 62% RH**			
Receivers				
Name	**No.**	**Total**	**Vehicle Type**	
		LAeq1h	**Name**	**Partial**
				LAeq1h
		dBA		dBA
Receiver3	1	69.7	Autos	67.8
			MTrucks	56.6
			HTrucks	63.8
			Buses	
			Motorcycles	56.0
Receiver2	2	63.2	Autos	61.0
			MTrucks	57.3
			HTrucks	54.4
			Buses	
			Motorcycles	46.4
Receiver1	3	69.6	Autos	67.6
			MTrucks	56.4
			HTrucks	64.2
			Buses	
			Motorcycles	55.7

APPENDIX C

TNM 2.5 FUTURE PRINTOUT 2043

CMA Architects & Engineers
Pedro Jane Vila

25 July 2023
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 23090 - Two Branded Hotel - Noise Study
RUN: Noise Study Future - 2043
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 61 deg C, 34% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receiver3	6	1	67.2	70.3	67	3.1	10	Snd Lvl	70.3	0.0	10	-10.0
Receiver2	7	1	65.0	65.0	67	0.0	10	----	65.0	0.0	10	-10.0
Receiver1	8	1	69.5	70.3	67	0.8	10	Snd Lvl	70.3	0.0	10	-10.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	3	0.0	0.0	0.0
All Impacted	2	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

CMA Architects & Engineers **25 July 2023**
Pedro Jane Vila **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **23090 - Two Branded Hotel - Noise Study**
RUN: **Noise Study Future - 2043**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	km/h	veh/hr	km/h	veh/hr	km/h	veh/hr	km/h	veh/hr	km/h
Fernández Juncos Ave.	point1	31	183	40	5	40	4	40	0	0	1	40
	point2	32	183	40	5	40	4	40	0	0	1	40
	point3	33	183	40	5	40	4	40	0	0	1	40
	point4	34	183	40	5	40	4	40	0	0	1	40
	point5	35	183	40	5	40	4	40	0	0	1	40
	point6	36	183	40	5	40	4	40	0	0	1	40
	point7	37	183	40	5	40	4	40	0	0	1	40
	point8	38	183	40	5	40	4	40	0	0	1	40
	point9	39	183	40	5	40	4	40	0	0	1	40
	point10	40	183	40	5	40	4	40	0	0	1	40
	point11	41	183	40	5	40	4	40	0	0	1	40
	point12	42	183	40	5	40	4	40	0	0	1	40
	point13	43	183	40	5	40	4	40	0	0	1	40
	point14	44	183	40	5	40	4	40	0	0	1	40
	point15	45	183	40	5	40	4	40	0	0	1	40
	point16	46	183	40	5	40	4	40	0	0	1	40
	point17	47	183	40	5	40	4	40	0	0	1	40
	point18	48	183	40	5	40	4	40	0	0	1	40
	point19	49	183	40	5	40	4	40	0	0	1	40
	point20	50	183	40	5	40	4	40	0	0	1	40
	point21	51	183	40	5	40	4	40	0	0	1	40
	point22	52	183	40	5	40	4	40	0	0	1	40
	point23	53	183	40	5	40	4	40	0	0	1	40

	point24	54	183	40	5	40	4	40	0	0	1	40
	point25	55	183	40	5	40	4	40	0	0	1	40
	point26	56	183	40	5	40	4	40	0	0	1	40
	point27	57	183	40	5	40	4	40	0	0	1	40
	point28	58	183	40	5	40	4	40	0	0	1	40
	point29	59										
PR-1	point30	60	3033	64	112	64	56	64	0	0	7	64
	point31	61	3033	64	112	64	56	64	0	0	7	64
	point32	62	3033	64	112	64	56	64	0	0	7	64
	point33	63	3033	64	112	64	56	64	0	0	7	64
	point34	64	3033	64	112	64	56	64	0	0	7	64
	point35	65	3033	64	112	64	56	64	0	0	7	64
	point36	66	3033	64	112	64	56	64	0	0	7	64
	point37	67	3033	64	112	64	56	64	0	0	7	64
	point38	68	3033	64	112	64	56	64	0	0	7	64
	point39	69	3033	64	112	64	56	64	0	0	7	64
	point40	70	3033	64	112	64	56	64	0	0	7	64
	point41	71	3033	64	112	64	56	64	0	0	7	64
	point42	72	3033	64	112	64	56	64	0	0	7	64
	point43	73	3033	64	112	64	56	64	0	0	7	64
	point44	74	3033	64	112	64	56	64	0	0	7	64
	point45	75	3033	64	112	64	56	64	0	0	7	64
	point46	76	3033	64	112	64	56	64	0	0	7	64
	point47	77	3033	64	112	64	56	64	0	0	7	64
	point48	78	3033	64	112	64	56	64	0	0	7	64
	point49	79	3033	64	112	64	56	64	0	0	7	64
	point50	80	3033	64	112	64	56	64	0	0	7	64
	point51	81	3033	64	112	64	56	64	0	0	7	64
	point52	82	3033	64	112	64	56	64	0	0	7	64
	point53	83	3033	64	112	64	56	64	0	0	7	64
	point54	84	3033	64	112	64	56	64	0	0	7	64
	point55	85	3033	64	112	64	56	64	0	0	7	64
	point56	86	3033	64	112	64	56	64	0	0	7	64
	point57	87	3033	64	112	64	56	64	0	0	7	64
	point58	88										

CMA Architects & Engineers					**25 July 2023**						
Pedro Jane Vila					**TNM 2.5**						
INPUT: ROADWAYS							**Average pavement type shall be used unless**				
PROJECT/CONTRACT:	**23090 - Two Branded Hotel - Noise Study**						**a State highway agency substantiates the use**				
RUN:	**Noise Study Future - 2043**						**of a different type with the approval of FHWA**				
Roadway		**Points**									
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**	
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**
	m			m	m	m		km/h	%		
Fernández Juncos Ave.	3.7	point1	31	236,528.3	268,794.2	7.10				Average	
		point2	32	236,527.9	268,799.2	6.97				Average	
		point3	33	236,527.6	268,804.2	6.91				Average	
		point4	34	236,527.2	268,809.2	6.81				Average	
		point5	35	236,526.8	268,814.1	6.65				Average	
		point6	36	236,526.4	268,819.1	6.55				Average	
		point7	37	236,525.9	268,824.1	6.45				Average	
		point8	38	236,525.4	268,829.1	6.35				Average	
		point9	39	236,524.9	268,834.1	6.21				Average	
		point10	40	236,524.5	268,839.0	6.01				Average	
		point11	41	236,523.9	268,844.0	5.87				Average	
		point12	42	236,523.6	268,848.9	5.78				Average	
		point13	43	236,523.2	268,853.9	5.64				Average	
		point14	44	236,522.9	268,858.9	5.53				Average	
		point15	45	236,522.5	268,863.9	5.51				Average	
		point16	46	236,522.1	268,868.9	5.48				Average	
		point17	47	236,521.8	268,873.9	5.37				Average	
		point18	48	236,521.4	268,878.9	5.24				Average	
		point19	49	236,521.0	268,883.9	5.11				Average	
		point20	50	236,520.5	268,888.9	5.16				Average	
		point21	51	236,519.5	268,893.8	5.02				Average	
		point22	52	236,518.2	268,898.6	4.86				Average	
		point23	53	236,516.6	268,903.3	4.72				Average	
		point24	54	236,514.6	268,907.9	4.72				Average	
		point25	55	236,512.3	268,912.3	4.62				Average	

		point26	56	236,509.7	268,916.6	4.53				Average	
		point27	57	236,506.7	268,920.7	4.43				Average	
		point28	58	236,503.5	268,924.5	4.17				Average	
		point29	59	236,500.0	268,928.1	4.00					
PR-1	3.7	point30	60	236,601.3	268,933.5	2.80				Average	
		point31	61	236,600.6	268,928.6	2.90				Average	
		point32	62	236,599.9	268,923.6	3.10				Average	
		point33	63	236,599.4	268,918.6	3.30				Average	
		point34	64	236,598.9	268,913.7	3.40				Average	
		point35	65	236,598.3	268,908.7	3.50				Average	
		point36	66	236,597.8	268,903.7	3.50				Average	
		point37	67	236,597.2	268,898.8	3.60				Average	
		point38	68	236,596.7	268,893.8	3.70				Average	
		point39	69	236,596.1	268,888.8	3.80				Average	
		point40	70	236,595.6	268,883.9	3.90				Average	
		point41	71	236,595.1	268,878.9	3.90				Average	
		point42	72	236,594.5	268,873.9	4.00				Average	
		point43	73	236,593.9	268,868.9	4.00				Average	
		point44	74	236,593.4	268,863.9	4.00				Average	
		point45	75	236,592.9	268,859.0	4.10				Average	
		point46	76	236,592.3	268,854.0	4.20				Average	
		point47	77	236,591.8	268,849.1	4.20				Average	
		point48	78	236,591.3	268,844.1	4.30				Average	
		point49	79	236,590.8	268,839.1	4.30				Average	
		point50	80	236,590.4	268,834.1	4.30				Average	
		point51	81	236,590.1	268,829.1	4.30				Average	
		point52	82	236,589.8	268,824.1	4.30				Average	
		point53	83	236,589.5	268,819.2	4.30				Average	
		point54	84	236,589.2	268,814.2	4.20				Average	
		point55	85	236,588.9	268,809.2	4.00				Average	
		point56	86	236,588.6	268,804.2	3.80				Average	
		point57	87	236,588.2	268,799.2	3.70				Average	
		point58	88	236,587.9	268,794.2	3.70					

CMA Architects & Engineers						**25 July 2023**					
Pedro Jane Vila						**TNM 2.5**					
INPUT: RECEIVERS											
PROJECT/CONTRACT:	**23090 - Two Branded Hotel - Noise Study**										
RUN:	**Noise Study Future - 2043**										
Receiver											
Name	**No.**	**#DUs**	**Coordinates (ground)**			**Height**	**Input Sound Levels and Criteria**				**Active**
			X	**Y**	**Z**	**above**	**Existing**	**Impact Criteria**		**NR**	**in**
						Ground	**LAeq1h**	**LAeq1h**	**Sub'l**	**Goal**	**Calc.**
			m	m	m	m	dBA	dBA	dB	dB	
Receiver3	6	1	236,576.7	268,876.6	5.55	1.50	67.20	67	10.0	10.0	Y
Receiver2	7	1	236,514.2	268,913.0	4.72	1.50	65.00	67	10.0	10.0	Y
Receiver1	8	1	236,578.7	268,894.7	5.22	1.50	69.50	67	10.0	10.0	Y

CMA Architects & Engineers			**25 July 2023**	
Pedro Jane Vila			**TNM 2.5**	
			Calculated with TNM 2.5	
RESULTS: SOUND-LEVEL DIAGNOSIS BY VEHICLE TYPE				
PROJECT/CONTRACT:	**23090 - Two Branded Hotel - Noise Study**			
RUN:	**Noise Study Future - 2043**			
BARRIER DESIGN:	**INPUT HEIGHTS**			
ATMOSPHERICS:	**61 deg C, 34% RH**			
Receivers				
Name	**No.**	**Total**	**Vehicle Type**	
		LAeq1h	**Name**	**Partial**
				LAeq1h
		dBA		dBA
Receiver3	6	70.3	Autos	68.5
			MTrucks	62.2
			HTrucks	62.8
			Buses	
			Motorcycles	50.6
Receiver2	7	65.0	Autos	62.0
			MTrucks	57.3
			HTrucks	59.8
			Buses	
			Motorcycles	46.9
Receiver1	8	70.3	Autos	68.4
			MTrucks	62.0
			HTrucks	63.3
			Buses	
			Motorcycles	50.5

APPENDIX D

CALIBRATION CERTIFICATE

HBK HOTTINGER BRÜEL & KJÆR
The Calibration Laboratory
Teknikerbyen 28, DK-2830 Virum, Denmark

ilac-MRA DANAK
CAL Reg.No. 307
Member of EA MLA

CERTIFICATE OF CALIBRATION

No: CDK2207296 Page 1 of 12

CALIBRATION OF

Sound Level Meter:	Brüel & Kjær Type 2245	No: 2245-101217	Id: -
Microphone:	Brüel & Kjær Type 4966	No: 3298760	
PreAmplifier:	Brüel & Kjær Type Integrated		
Calibrator:	None		
Software version:	FW-2245-000 Version 1.1.2.386	Pattern Approval:	BEVOE 20 / S010
Instruction manual:	BE1910-11		

CUSTOMER

CMA Architects & Engineers
1509 F.D. Roosevelt Ave
Suite 201
00968 Guaynabo
Puerto rico

CALIBRATION CONDITIONS

Preconditioning: 4 hours at 23°C ± 3°C

Environment conditions: *See actual values in sections.*

SPECIFICATIONS

The Sound Level Meter Brüel & Kjær Type 2245 has been calibrated in accordance with the requirements as specified in IEC 61672-1:2013 class 1. Procedures from IEC 61672-3:2013 were used to perform the periodic tests. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Sound Level Meter Calibration System 3630 with application software type 7763 (version 8.5 - DB: 8.50) by using procedure B&K proc 2245-E, 4966 (IEC 61672:2013).

RESULTS

Calibration Mode: **Initial calibration.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device under calibration.

Date of calibration: 2022-10-03

Date of issue: 2022-10-03

Sylvia Wu Andersen
Calibration Technician

Jesper Bo Vedel
Approved Signatory

HBK HOTTINGER BRÜEL & KJÆR
The Calibration Laboratory
Teknikerbyen 28, DK-2830 Virum, Denmark

1. Calibration Note

n/a

2. Summary

4.1. Preliminary inspection	Passed
4.2. Environmental conditions, Prior to calibration	Passed
4.3. Device information	Passed
4.4. WindScreen check	Passed
4.5. Reference information	Passed
4.6. Indication at the calibration check frequency	Passed
4.7. Acoustical signal tests of a frequency weighting, C weighting	Passed
4.8. Self-generated noise, Microphone installed	Passed
4.9. Self-generated noise, Electrical	Passed
4.10. Electrical signal tests of frequency weightings, A weighting	Passed
4.11. Electrical signal tests of frequency weightings, C weighting	Passed
4.12. Electrical signal tests of frequency weightings, Z weighting	Passed
4.13. Frequency and time weightings at 1 kHz	Passed
4.14. Long-term stability, Reference	Passed
4.15. Level linearity on the reference level range, Upper	Passed
4.16. Level linearity on the reference level range, Lower	Passed
4.17. Toneburst response, Time-weighting Fast	Passed
4.18. Toneburst response, Time-weighting Slow	Passed
4.19. Toneburst response, LAE	Passed
4.20. C-weighted peak sound level, 8 kHz	Passed
4.21. C-weighted peak sound level, 500 Hz	Passed
4.22. Overload indication	Passed
4.23. Long-term stability, 1. relative	Passed
4.24. High-level stability	Passed
4.25. Long-term stability, 2. relative	Passed
4.26. Environmental conditions, Following calibration	Passed

Conformance to a performance specification is demonstrated when the following criteria are both satisfied: (a) a measured deviation from a design goal does not exceed the applicable acceptance limit and (b) the corresponding uncertainty of measurement does not exceed the corresponding maximum-permitted uncertainty of measurement given in IEC 61672-1:2013 for the same coverage probability of 95 %.

The sound level meter submitted for testing successfully completed the periodic tests of IEC 61672-3:2013, for the environmental conditions under which the tests were performed.
As evidence was publicly available, from an independent testing organization responsible for approving the results of pattern-evaluation tests performed in accordance with IEC 61672-2:2013, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013, the sound level meter submitted for testing conforms to the class 1 specifications of IEC 61672-1:2013.

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3. Instruments

	Instrument	Inventory No.
Calibrator	Brüel & Kjær, Type 4226	124226022
Adaptor	Brüel & Kjær, Type WA-0302-B 15 pF	150503012
Voltmeter	Agilent, Type 34461A	142114002
Generator	Brüel & Kjær, Type 3161-A-011	123161066
AmplifierDivider	Brüel & Kjær, Type WB-3630	163630006

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The Calibration Laboratory
Teknikerbyen 28, DK-2830 Virum, Denmark

4. Measurements

4.1. Preliminary inspection

Visually inspect instrument, and operate all relevant controls. (clause 5)

	Result	
Visual inspection	OK	

4.2. Environmental conditions, Prior to calibration

Actual environmental conditions prior to calibration. (clause 7)

	Expected	Accept - Limit	Accept + Limit	Measured	
				[Deg / kPa / % RH]	
Air temperature	23.00	-3.00	3.00	23.00	
Air pressure	101.30	-21.30	3.70	101.33	
Relative humidity	50.00	-25.00	20.00	42.00	

4.3. Device information

Retrieve misc. information from instrument, and compare actual firmware version with selected.

	Unit	Value / Status / Note	
	[%]		
Firmware version	0.0	1.1.2.386 / 1.1.2.386	
License available	0.0	BZ-7301, BZ-7300	
Battery capacity	107.5	(current full capacity compared to manufacturing)	
Battery install date	0.0	2021-12-15	

4.4. WindScreen check

Verify automatic windscreen detection functionality if windscreen is supplied by customer. (N/A indicates that no applicable windscreen was supplied)

	Status	
WindScreen	OK	

4.5. Reference information

Information about reference range, level and channel. (clause 22.h + 22.m)

	Value	
	[dB SPL]	
Reference sound pressure level	94	
Reference level range	140	
Channel number	1	

4.6. Indication at the calibration check frequency

Measure and adjust sound level meter using the supplied calibrator. (clause 10 + 22.m)

	Expected	Measured	Uncertainty	
	[dB SPL / Hz]	[dB SPL / Hz]	[dB]	
Calibration check frequency (in-house calibrator)	1000.00	1000.00	1.00	
Initial indication (in-house calibrator)	93.86	93.93	0.20	
Adjusted indication (in-house calibrator)	93.86	93.86	0.20	

4.7. Acoustical signal tests of a frequency weighting, C weighting

Frequency weightings measured acoustically with a calibrated multi-frequency sound calibrator. Averaging time is 10 seconds, and the result is the average of 2 measurements. (clause 12)

	Coupler Pressure Lc	Mic. Correction C4226	Body Influence	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB]	[dB]	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
1000Hz, Ref. (1st)	93.92	0.06	0.00	93.86	93.86	-0.7	0.7	0.00	0.33	
1000Hz, Ref. (2nd)	93.92	0.06	0.00	93.86	93.86	-0.7	0.7	0.00	0.33	
1000Hz, Ref. (Average)	93.92	0.06	0.00	93.86	93.86	-0.7	0.7	0.00	0.33	
125.89Hz (1st)	93.96	0.00	0.00	93.76	93.82	-1.0	1.0	0.06	0.31	
125.89Hz (2nd)	93.96	0.00	0.00	93.76	93.81	-1.0	1.0	0.05	0.31	
125.89Hz (Average)	93.96	0.00	0.00	93.76	93.81	-1.0	1.0	0.05	0.31	
7943.3Hz (1st)	93.50	2.88	-0.04	87.66	87.15	-2.5	1.5	-0.51	0.56	
7943.3Hz (2nd)	93.50	2.88	-0.04	87.66	87.15	-2.5	1.5	-0.51	0.56	
7943.3Hz (Average)	93.50	2.88	-0.04	87.66	87.15	-2.5	1.5	-0.51	0.56	

4.8. Self-generated noise, Microphone installed

Self-generated noise measured with microphone submitted for periodic testing. Averaging time is 30 seconds. An anechoic chamber is used to isolate environmental noise.
The level of self-generated noise is reported for information only and is not used to assess conformance to a requirement. (clause 11.1)

	Max	Measured	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	
A weighted	17.30	14.86	0.50	

4.9. Self-generated noise, Electrical

Self-generated noise measured in most sensitive range, with electrical substitution for microphone, according to manufactures specifications.
The level of self-generated noise is reported for information only and is not used to assess conformance to a requirement. (clause 11.2)

	Max	Measured	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	
A weighted	11.60	6.12	0.30	
C weighted	15.10	10.28	0.30	
Z weighted	21.10	16.64	0.30	

4.10. Electrical signal tests of frequency weightings, A weighting

Frequency response measured with electrical signal relative to level at 1 kHz in reference range. (clause 13)
Electrical and acoustical response and body influence corrections are adjusted with the respective correction values at the reference frequency, in accordance with clause 13.6

	Input Level	Expected	Measured	Response Corr.	Body Influence	Corr. Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dBV]	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
1000Hz, Ref.	-23.82	95.00	95.00	0.00	0.00	95.00	-0.5	0.5	0.00	0.12	
63.096Hz	2.38	95.00	94.99	0.00	0.00	94.99	-1.0	1.0	-0.01	0.12	
125.89Hz	-7.72	95.00	95.00	0.00	0.00	95.00	-1.0	1.0	0.00	0.12	
251.19Hz	-15.22	95.00	94.96	0.00	0.03	94.99	-1.0	1.0	-0.01	0.12	
501.19Hz	-20.62	95.00	94.96	0.00	0.13	95.09	-1.0	1.0	0.09	0.12	
1995.3Hz	-25.02	95.00	95.04	-0.02	0.03	95.05	-1.0	1.0	0.05	0.12	
3981.1Hz	-24.82	95.00	95.09	-0.10	-0.13	94.86	-1.0	1.0	-0.14	0.12	
7943.3Hz	-22.72	95.00	94.89	0.11	-0.04	94.96	-2.5	1.5	-0.04	0.12	
15849Hz	-17.22	95.00	94.38	0.62	-0.09	94.91	-16.0	2.5	-0.09	0.12	

4.11. Electrical signal tests of frequency weightings, C weighting

Frequency response measured with electrical signal relative to level at 1 kHz in reference range. (clause 13)
Electrical and acoustical response and body influence corrections are adjusted with the respective correction values at the reference frequency, in accordance with clause 13.6

	Input Level	Expected	Measured	Response Corr.	Body Influence	Corr. Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dBV]	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
1000Hz, Ref.	-23.82	95.00	95.00	0.00	0.00	95.00	-0.5	0.5	0.00	0.12	
63.096Hz	-23.02	95.00	94.94	0.00	0.00	94.94	-1.0	1.0	-0.06	0.12	
125.89Hz	-23.62	95.00	94.99	0.00	0.00	94.99	-1.0	1.0	-0.01	0.12	
251.19Hz	-23.82	95.00	94.98	0.00	0.03	95.01	-1.0	1.0	0.01	0.12	
501.19Hz	-23.82	95.00	95.02	0.00	0.13	95.15	-1.0	1.0	0.15	0.12	
1995.3Hz	-23.62	95.00	95.07	-0.02	0.03	95.08	-1.0	1.0	0.08	0.12	
3981.1Hz	-23.02	95.00	95.10	-0.10	-0.13	94.87	-1.0	1.0	-0.13	0.12	
7943.3Hz	-20.82	95.00	94.89	0.11	-0.04	94.96	-2.5	1.5	-0.04	0.12	
15849Hz	-15.32	95.00	94.35	0.62	-0.09	94.88	-16.0	2.5	-0.12	0.12	

4.12. Electrical signal tests of frequency weightings, Z weighting

Frequency response measured with electrical signal relative to level at 1 kHz in reference range. (clause 13)
Electrical and acoustical response and body influence corrections are adjusted with the respective correction values at the reference frequency, in accordance with clause 13.6

	Input Level	Expected	Measured	Response Corr.	Body Influence	Corr. Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dBV]	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
1000Hz, Ref.	-23.86	95.00	95.00	0.00	0.00	95.00	-0.5	0.5	0.00	0.12	
63.096Hz	-23.86	95.00	94.94	0.00	0.00	94.94	-1.0	1.0	-0.06	0.12	
125.89Hz	-23.86	95.00	94.96	0.00	0.00	94.96	-1.0	1.0	-0.04	0.12	
251.19Hz	-23.86	95.00	95.00	0.00	0.03	95.03	-1.0	1.0	0.03	0.12	
501.19Hz	-23.86	95.00	94.99	0.00	0.13	95.12	-1.0	1.0	0.12	0.12	
1995.3Hz	-23.86	95.00	95.04	-0.02	0.03	95.05	-1.0	1.0	0.05	0.12	
3981.1Hz	-23.86	95.00	95.13	-0.10	-0.13	94.90	-1.0	1.0	-0.10	0.12	
7943.3Hz	-23.86	95.00	94.91	0.11	-0.04	94.98	-2.5	1.5	-0.02	0.12	
15849Hz	-23.86	95.00	94.39	0.62	-0.09	94.92	-16.0	2.5	-0.08	0.12	

4.13. Frequency and time weightings at 1 kHz

Frequency and time weighting measured at 1 kHz with electrical signal in reference range. Measured relative to A-weighted and Fast response. (clause 14)

	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
LAF, Ref.	94.00	94.00	-0.5	0.5	0.00	0.12	
LCF	94.00	94.00	-0.2	0.2	0.00	0.12	
LZF	94.00	94.04	-0.2	0.2	0.04	0.12	
LAS	94.00	93.99	-0.1	0.1	-0.01	0.12	
LAeq	94.00	94.00	-0.1	0.1	0.00	0.12	

4.14. Long-term stability, Reference

Long-term stability over 25 to 35 minutes, with steady 1kHz signal at reference level. (clause 15)
Adjusting to reference level indication.

	Measured	Accept - Limit	Accept + Limit	Deviation	Timestamp	Uncertainty	
	[dB SPL]	[dB]	[dB]	[dB]		[dB]	
Reference	94.00	-0.5	0.5	0.00	2022-10-03 08:25:20	0.10	

4.15. Level linearity on the reference level range, Upper

Level linearity in reference range, measured at 8 kHz until overload. (clause 16)

	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
94 dB	94.00	94.00	-0.5	0.5	0.00	0.13	
99 dB	99.00	99.00	-0.8	0.8	0.00	0.13	
104 dB	104.00	104.00	-0.8	0.8	0.00	0.13	
109 dB	109.00	109.00	-0.8	0.8	0.00	0.13	
114 dB	114.00	114.00	-0.8	0.8	0.00	0.13	
119 dB	119.00	119.00	-0.8	0.8	0.00	0.13	
124 dB	124.00	124.00	-0.8	0.8	0.00	0.13	
129 dB	129.00	129.00	-0.8	0.8	0.00	0.13	
134 dB	134.00	134.00	-0.8	0.8	0.00	0.13	
135 dB	135.00	135.00	-0.8	0.8	0.00	0.13	
136 dB	136.00	136.00	-0.8	0.8	0.00	0.13	
137 dB	137.00	137.00	-0.8	0.8	0.00	0.13	
138 dB	138.00	138.00	-0.8	0.8	0.00	0.13	
139 dB	139.00	139.00	-0.8	0.8	0.00	0.13	

4.16. Level linearity on the reference level range, Lower

Level linearity in reference range, measured at 8 kHz down to lower limit, or until underrange. (clause 16)

	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
94 dB	94.00	94.00	-0.5	0.5	0.00	0.13	
89 dB	89.00	89.00	-0.8	0.8	0.00	0.13	
84 dB	84.00	84.00	-0.8	0.8	0.00	0.13	
79 dB	79.00	79.00	-0.8	0.8	0.00	0.13	
74 dB	74.00	74.00	-0.8	0.8	0.00	0.13	
69 dB	69.00	69.00	-0.8	0.8	0.00	0.13	
64 dB	64.00	64.00	-0.8	0.8	0.00	0.13	
59 dB	59.00	59.01	-0.8	0.8	0.01	0.13	
54 dB	54.00	54.01	-0.8	0.8	0.01	0.13	
49 dB	49.00	49.01	-0.8	0.8	0.01	0.13	
44 dB	44.00	44.01	-0.8	0.8	0.01	0.13	
39 dB	39.00	39.01	-0.8	0.8	0.01	0.24	
34 dB	34.00	34.02	-0.8	0.8	0.02	0.24	
29 dB	29.00	29.04	-0.8	0.8	0.04	0.24	
28 dB	28.00	28.03	-0.8	0.8	0.03	0.24	
27 dB	27.00	27.03	-0.8	0.8	0.03	0.24	
26 dB	26.00	26.05	-0.8	0.8	0.05	0.24	
25 dB	25.00	25.06	-0.8	0.8	0.06	0.24	
24 dB	24.00	24.08	-0.8	0.8	0.08	0.24	
23 dB	23.00	23.09	-0.8	0.8	0.09	0.24	

4.17. Toneburst response, Time-weighting Fast

Response to 4 kHz toneburst measured in reference range, relative to continuous signal. (clause 18)

	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
Continuous, Ref.	137.00	137.00	-0.5	0.5	0.00	0.12	
200 ms Burst	136.00	136.02	-0.5	0.5	0.02	0.12	
2 ms Burst	119.00	118.97	-1.5	1.0	-0.03	0.12	
0.25 ms Burst	110.00	109.83	-3.0	1.0	-0.17	0.12	

4.18. Toneburst response, Time-weighting Slow

Response to 4 kHz toneburst measured in reference range, relative to continuous signal. (clause 18)

	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
Continuous, Ref.	137.00	137.00	-0.5	0.5	0.00	0.12	
200 ms Burst	129.60	129.58	-0.5	0.5	-0.02	0.12	
2 ms Burst	110.00	109.98	-3.0	1.0	-0.02	0.12	

4.19. Toneburst response, LAE

Response to 4 kHz toneburst measured in reference range, relative to continuous signal. (clause 18)

	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
Continuous, Ref.	137.00	137.00	-0.5	0.5	0.00	0.12	
200 ms Burst	130.00	130.01	-0.5	0.5	0.01	0.12	
2 ms Burst	110.00	109.99	-1.5	1.0	-0.01	0.12	
0.25 ms Burst	101.00	100.85	-3.0	1.0	-0.15	0.12	

4.20. C-weighted peak sound level, 8 kHz

Peak-response to a 8 kHz single-cycle sine measured in least-sensitive range, relative to continuous signal. (clause 19)

	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
Continuous, Ref.	132.00	132.00	-0.5	0.5	0.00	0.09	
Single Sine	135.40	135.42	-2.0	2.0	0.02	0.20	

4.21. C-weighted peak sound level, 500 Hz

Peak-response to a 500 Hz half-cycle sine measured in least-sensitive range, relative to continuous signal. (clause 19)

	Expected	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
Continuous, Ref.	135.00	135.00	-0.5	0.5	0.00	0.09	
Half-sine, Positive	137.40	137.15	-1.0	1.0	-0.25	0.12	
Half-sine, Negative	137.40	137.15	-1.0	1.0	-0.25	0.12	

4.22. Overload indication

Overload indication in the least sensitive range determined with a 4 kHz positive/negative half-cycle signal. (clause 20)

	Measured / Input Level	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
Continuous	140.00	-0.5	0.5	0.00	0.20	
Half-sine, Positive	140.90	-10.0	10.0	0.90	0.20	
Half-sine, Negative	140.90	-10.0	10.0	0.90	0.20	
Difference	140.90	-1.5	1.5	0.00	0.24	

4.23. Long-term stability, 1. relative

Long-term stability over 25 to 35 minutes, with steady 1kHz signal at reference level. (clause 15)
Relative to prior adjustment to reference level indication.

	Measured	Accept - Limit	Accept + Limit	Deviation	Timestamp	Uncertainty	
	[dB SPL / Min]	[dB / Min]	[dB / Min]	[dB / Min]		[dB]	
Measurement	94.00	-0.1	0.1	0.00	2022-10-03 08:37:40	0.10	
Time passed	12.20	0.0	35.0	12.20	0	0.00	

4.24. High-level stability

High-level stability over 5 minutes, with steady 1kHz signal, 1dB below upper boundary. (clause 21)

	Measured	Accept - Limit	Accept + Limit	Deviation	Uncertainty	
	[dB SPL]	[dB]	[dB]	[dB]	[dB]	
High-level, Ref.	139.00	-0.5	0.5	0.00	0.10	
High-level, after 5min	139.00	-0.1	0.1	0.00	0.10	

4.25. Long-term stability, 2. relative

Long-term stability over 25 to 35 minutes, with steady 1kHz signal at reference level. (clause 15)
Relative to prior adjustment to reference level indication.

	Measured	Accept - Limit	Accept + Limit	Deviation	Timestamp	Uncertainty	
	[Min / dB SPL]	[Min / dB]	[Min / dB]	[Min / dB]		[dB]	
Wait	25.00	25.0	120.0	25.00	0	0.00	
Measurement	94.00	-0.1	0.1	0.00	2022-10-03 08:50:43	0.10	

4.26. Environmental conditions, Following calibration

Actual environmental conditions following calibration. (clause 7)

	Expected	Accept - Limit	Accept + Limit	Measured	
				[Deg / kPa / % RH]	
Air temperature	23.00	-3.00	3.00	22.90	
Air pressure	101.30	-21.30	3.70	101.38	
Relative humidity	50.00	-25.00	20.00	42.00	

HBK HOTTINGER BRÜEL & KJÆR
The Calibration Laboratory
Teknikerbyen 28, DK-2830 Virum, Denmark

DANAK

DANAK is the national accreditation body in Denmark in compliance with Regulation (EC) No. 765/2008 of the European Parliament and of the Council.

DANAK is covered by the multilateral agreements for testing, medical examination, calibration, proficiency testing providers and reference material producers under European co-operation for Accreditation (EA) and under International Laboratory Accreditation Cooperation (ILAC) based on peer-evaluation. This implies that accredited reports and certificates issued by companies accredited by DANAK are recognized across borders by members of EA and ILAC equal to reports and certificates issued by companies accredited by these members.

The use of the accreditation symbol on reports and certificates or reference to accreditation, documents that the service is provided as an accredited service under the company's DANAK accreditation.

This calibration certificate is covered by DANAK accreditation and the multilateral agreements from EA and ILAC for calibration which ensures that measurements are metrologically traceable.

Comments/Questions or Complaints may be addressed to:
Your local HBK service representative

APPENDIX E

CONTSRUCTION MATERIALS SPECIFICATION SECTION 084113

SECTION 08 41 13

ALUMINUM-FRAMED WINDOWS AND STOREFRONTS

PART - 1 GENERAL

1.01 SECTION INCLUDES

A. Aluminum frames, windows and glass doors, and infill panels as indicated on the drawings.

B. Related Work Specified Elsewhere:

1. Section 07 92 00 - Joint Sealants
2. Section 08 71 00 - Door Hardware
3. Section 08 80 00 – Glazing

1.02 SUBMITTALS

A. Shop Drawings: Indicate system and component dimensions; components within assembly; framed openings requirements and tolerances; anchorage and fasteners; glass and infills; door hardware requirements; and affected related work. Engineering calculations showing compliance with wind load pressure as required by the Puerto Rico Building Code 2018, and rigidity and weather tightness criteria contained in this section.

B. Product data and manufacturers published installation instructions, data on finishes, hardware, and accessories. Recommendations for maintenance and cleaning of exterior surfaces.

C. Samples: of each type of aluminum finish, on 12-inch-long sections of extrusions or formed shapes and samples of all other materials including but not limited to: gaskets, sealant, and fasteners.

D. Provide certified test results showing that windows and storefront systems, including glazing, have been tested by a recognized testing laboratory or agency and comply with specified performance characteristics.

1.03 QUALITY ASSURANCE

A. Single Source responsibility: Obtain windows and storefront doors for entire project from one source and by a single manufacturer. Perform work under this section under a single subcontract to ensure unified responsibility as an integrated system.

B. Installer Qualifications: Engage an experienced installer who has completed windows and storefront installations similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance.

C. Comply with applicable sections of the following standards:

1. AAMA - Store Front and entrance - Guide Specifications Manual

2. AAMA 2605-98 - Voluntary Performance Requirements and Test Procedures for Pigmented Organic Coatings on Extruded Aluminum.

3. ASTM E 283-91 Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.

4. ASTM E 331-96 Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

D. Comply with provisions of the Puerto Rico Building Code, 2018 edition, regarding structural performance, wind resistance, and energy code provisions. Compliance to be certified by a Puerto Rico licensed Engineer. All exterior glazing must be impact resistant complying with the requirements of the International Building Code,2018 edition and the Puerto Rico amendments.

1.01 WARRANTY

A. Provide five (5) years warranty under the provisions of the Contract Documents.

PART – 2 PRODUCTS

2.01 MANUFACTURERS

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Air Master
2. Valcor
2. Glasstra Aluminum
3. Delta Engineers

2.03 BASIS OF DESIGN

A. Curtain wall: Clear insulated glass .2" Sightline 6" depth (or 7 ½" depth for double pane 1" insulating glass), Ultra-Thermal performance, seismic (AAMA 501.4 and 501.6 standards), structural silicone glazed (SSG) options.
www.kawneer.com/kawneer/north_america/en/product.asp?prod_id=4701&desc=thermal-ssg-curtain-wall-system

2.03 MATERIALS

A. Extruded Aluminum: ASTM B221; 6063 alloy, T-5 temper.

B. Sheet Aluminum: ASTM B209; 5055 alloy.

C. Steel Sections: ASTM A36; Structural shapes to suit mullion sections; galvanized.

D. Primer: Zinc chromate for shop application and field touch-up.

E. Fasteners: Stainless steel.

F. Sealant Backing Materials: As specified in Section 079200 and in accordance with manufacturer recommendations.

2.04 FABRICATED COMPONENTS

A. Frames: size as indicated in the drawings with non-thermally broken, medium stile, and flush glazing stops. Members shall not be less than 0.62" in wall thickness and 3" frame depth.

B. Reinforced Mullion: size as indicated in the shop drawings with profile of aluminum cladding with internal reinforcement of shaped structural steel section.

GLASS AND GLAZING MATERIALS

A. Glass shall be of the types and minimum thickness, as shown on the drawings and specified herein, and shall, in addition, meet the requirements of the following paragraphs.

B.

All glass shall be the manufactured product of one (1) company. All fabricated glass products shall be the fabricated and coated products of one (1) company. All glass shall be delivered to the site bearing the manufacturer's label, complete with glazing instructions where applicable.

C. Insulating glass shall be dual seal and certified for compliance with seal classification "CBA" by the Insulating Glass Certification Council (IGC) and tested in accordance with the following ASTM Test methods. Secondary seal on structural silicone glazed units shall be a special silicone edge seal certified for use in structural silicone glazing applications over the temperature range and structural loading as called for under the performance criteria section of this Specification.

1. E 773-01 Standard Test Method for Seal Durability of Sealed Insulating Glass Units.
2. E 774-97 Standard Specification for Sealed Insulating Glass Units.
3. E 546-14 Standard Test Method for Frost Point of Sealed Insulating Glass Units.
4. E 576-14 Standard Test Method for Dew/Frost Point of Sealed Insulating Glass Units in Vertical Position.

D. The lites comprising insulating glass units shall be heat strengthened, (or fully tempered where required to meet wind load or safety glazing requirements), as shown, specified, required, or recommended by the specified glass fabricator to insure against heat breakage and to assure adequate glass performance at the specified design pressures specified under the performance criteria herein.

E. Glass shall conform to the requirements of ASTM C 1036. Heat strengthened and tempered glass shall conform to the requirements of ASTM C 1048. Tempered glass shall also conform to ANSI Z97.1-2015. All heat strengthening and tempering shall be by the horizontal process and processed in such a manner as to have all roller distortion in a horizontal direction as installed on the building.

F. All fully tempered glass shall be heat soaked (checked) at glass surface temperatures of not less than 400 deg. for 4 hours if this procedure is available from the glass manufacturer. Glass manufacturers shall submit for approval their proposal for meeting this requirement.

G. Where glass manufacturers cannot assure adequate structural performance of insulating glass units, based upon combination of inner/outer lite, assume outer lite alone must satisfy structural requirements. Method of installation must be in accordance with the manufacturer's published literature, as well as the latest standards of the FGMA and SIGMA. Method of installation shall make provision to weep all sill glazing rabbets.

H. Contractor shall provide certification from glass producer/fabricator that glass producer/fabricator has reviewed all glazing details and thicknesses and finds same suitable for the purpose intended in accordance with these specifications. This shall include a written wind load and thermal stress analysis showing a probability of failure of no greater than 8 lites per thousand for conventional glazing and 4 lites per thousand for structural silicone glazing at the design loads and local climatic thermal conditions.

I. Glass producer/fabricator shall make regular inspections (maximum interval semi-monthly) of glazing work in progress at the point of glazing for both mock-up and job production units to verify that glazing is proceeding in accordance with his recommendations. Glass producer/fabricator shall attend the mock-up test at no additional cost to the Owner.

J. Insulating glass units shall be installed in such manner as to adequately drain the glazing rabbet in a manner, as approved in writing, by the insulating unit glass manufacturer.

K. Contractor shall include in his design provision for reglazing vision lites with access from the interior except for structurally glazed lites which shall be reglazed from the exterior and spandrel lites with access from the exterior only. Mock-up shall include lites shop glazed in the initial installation as well as field glazed in the replacement mode.

L. Glass deflection at full design load shall be limited to the lesser of L/100 or 3/4". In event specified glass cannot meet these requirements, Contractor shall submit calculations establishing anticipated deflections and reduction in glass bite as a consequence of deflections, along with his drawings. The submittal shall include a statement from glass manufacturer/fabricator that reduction in glass bite will not result in a reduction in load resistance capacity, an increase in breakage probability and that all specified warranties shall remain in effect.

M. All sealants and gaskets shall be custom color as selected by Arcthe Architect

N. Glass behavior during seismic/interstory movement should not be damaging to the system or the glass panel.

O. Glass: See Section 088000.

C. Glass and Glazing Materials: REFER TO PROJECT DATA TABLE

Low e coating shall comply with SHGC of .25 or better.

2.05 FRAMEWORK

A. Framework: Standard extruded shapes, sizes as indicated in the drawings or as recommended by manufacturer, flush glazed members, complete with supports and accessories, sufficiently sized to leave equal reveal all around aluminum floor and jambs.

B. Fasteners: Stainless steel, AISI Type 302 (18-8), having annealed tensile strength of 80,000 psi minimum, finished to match framework members. Plated or coated materials will not be permitted.

1. Anchorage of frames at jambs, heads, sills and mullions: Comply with local building department requirements and as approved by Owner and Structural Engineer.

C. Performance Requirements:

1. Air Infiltration: Tested in accordance with ASTM E 283, not to exceed .06 cfm per square feet of fixed area.

2. Water Infiltration: Tested in accordance with ASTM E 331. No water penetration at a test pressure of 6.24 psf.

3. Structural Performance: As included in Project Data Table on G Series Drawings.

4. Thermal Performance: comply with SHGC of .25 or better

2.06 ALUMINUM FRAME GLASS DOORS

A. Stile narrow Stile entrance units, offset pivot action, beveled glass stops, complete with all hardware required except lock cylinder, which will be provided by the finish hardware supplier but installed by the door manufacturer, concealed overhead closers finished to match door and frame, standard pulls on each side of each leaf, lock, threshold, and frame.

2.07 HARDWARE

A. Sill Sweep Strips: resilient seal type of neoprene compound.

B. Threshold: Extruded aluminum, one piece per door opening, ribbed surface.

C. Pivots: Offset type.

D. Push/Pull: Push/Pull as indicated on drawings and in notes. If otherwise not indicate provide F-2 style.

E. Closer: Heavy-duty, concealed.

F. Others: Per Section 08 71 00

2.08 FABRICATION

A. Fabricate frames allowing for minimum clearances and shim spacing around perimeter of assembly.

B. Accurately and rigidly fit and secure joints and corners, flush, hairline, and weatherproof.

C. Arrange fasteners, attachments, and jointing to ensure concealment from view.

D. Prepare components with internal reinforcement for door hardware and door operator hinge hardware.

2.09 FINISHES

A. Exterior and Interior Aluminum Surfaces: Chemically degreased and etched aluminum members with applied thermosetting TGIC electrostatic powder coating with inhibitive flash primer over chromate conversion coating. Meet or exceed AAMA 2605-98 standards. Color as selected by Architect.

B. Apply bituminous paint to concealed unpainted surfaces in contact with dissimilar materials.

C. Concealed Steel Items: Galvanized in accordance to ASTM A386 to 2.0 oz/sq ft.

PART 3 - EXECUTION

3.01 EXAMINATION AND PREPARATION

A. Verify that wall openings and adjoining air and vapor seal materials are ready to receive work.

3.02 COMPONENTS

A. Provide specifically extruded sub-frames at head and sill. Prior to unit installation caulk inside corners of sill and sub-frames and anchoring screws.

B. Provide storm panel sub-frames.

C. If needed by the system provide special extruded double snap-in mullion designed to receive two window units and combine jamb frame to form a 2 ¼" x 3" structural tubular 3" walled mullion.

3.03 INSTALLATION

A. Install frames, glazing, hardware and flashings in accordance with manufacturer's instructions and AAMA - Store Front and Entrance - Guide Specifications Manual.

B. Use anchorage devices to securely attach frame assembly to structure.

1. Unless otherwise dictated by engineering calculations to comply with structural performance indicated, anchor as follows:

a. Fasten head and sill sub-frame units to opening using # 14 x 1 ½ ", RHCPSMS screws with 5/16" plastic anchors at 18" on center minimum.

b. Fasten jambs to opening with # 10 x 3" screws with ¼" plastic anchors at 18" on center (minimum 2 screws per part).

c. Secure mullion members with each other by specially extruded ¼" outside diameter tube attached with two (2) # 10 x ½" FHSSSMS screws. Secure windows to sill sub-frame with 3/16" rivets.

C. Align assembly plumb and level, free of warp of twist. Maintain assembly dimensional tolerances, aligning with adjacent work.

D. Install hardware using templates provided. Refer to Section 087100 for requirements.

E. Install glass in accordance with Section 088000.

F. Install perimeter type sealant, backing materials, and installation requirements in accordance with Section 07 92 00 and as recommended by the manufacturer.

3.04 TOLERANCES

A. Variation from Plane: 0.03 inches per foot maximum or 0.25 inches per 30 feet; whichever is less.

3.05 CLEANING AND PROTECTION

A. Remove protective material from pre-finished surfaces.

B. Wash exposed surfaces with mild detergent solution, remove dirt from corners, wipes surfaces clean.

C. Remove excess sealant as recommended by sealant manufacturer.

D. Clean metal surfaces promptly after installation, exercising care to avoid damage to factory finished exposed surfaces. B. Wash glass as recommended by the glass manufacturer. Remove excess glazing and sealant compounds, dirt and other substances. C. Immediately remove any deleterious material from surfaces of aluminum. D. Supply to the Employer, written maintenance instructions for the care, cleaning and servicing of unitized curtain wall components, including a complete set of as built shop drawings.

END OF SECTION 08 41 13

SECTION 08 63 00

METAL-FRAMED SKYLIGHTS

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes skylights with metal framing.

1.02 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.03 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Sustainable Design Submittals:

1. Comply with the requirements of Section 01 81 13 Sustainable Design Requirements.

C. Shop Drawings: For metal-framed skylights. Include plans, elevations, sections, and attachment details.

D. Samples: For each type of exposed finish required, in manufacturer's standard sizes.

1.04 INFORMATIONAL SUBMITTALS

A. Product test reports.

B. Field quality-control reports.

C. Sample warranties.

1.05 WARRANTY

A. Manufacturer's Warranty: Manufacturer agrees to repair or replace components of metal-framed skylights that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

B. Special Aluminum-Finish Warranty: Manufacturer agrees to repair or replace components on which finishes fail within specified warranty period. The warranty does not include normal weathering.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

A. Structural Loads: As indicated on G Series Drawings.

B. Deflection of Framing Members: At design wind pressure, as follows:

1. Deflection Normal to Glazing Plane: Limited to edge of glass in a direction perpendicular to glass plane not exceeding L/175 of the glass edge length for each individual glazing lite] [1/175 of clear span for spans up to 13 feet 6 inches and to 1/240 of clear span plus 1/4 inch for spans more than 13 feet 6 inches or an amount that restricts edge deflection of individual glazing lites to 3/4 inch, whichever is less.

C. Lateral Bracing of Framing Members: Compression flanges of flexural members are laterally braced by cross members with minimum depth equal to 50 percent of flexural member that is braced. Glazing does not provide lateral support.

D. Structural-Test Performance: Metal-framed skylights tested according to ASTM E330, as follows:

1. When tested at positive and negative wind-load design pressures, assemblies do not evidence deflection exceeding specified deflection limits.
2. When tested at 150 percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress, and permanent deformation of main framing members exceeding 0.2 percent of span.
3. Test Durations: As required by design wind velocity, but not less than **10** seconds.

E. Windborne-Debris Impact Resistance: Passes ASTM E1886 missile-impact and cyclic-pressure tests in accordance with ASTM E1996 for Wind Zone **4** for enhanced protection.

1. Large-Missile Test: For glazing located within 30 feet of grade.

F. Air Infiltration: Metal-framed skylights with maximum air leakage through fixed glazing and framing areas of 0.06 cfm/sq. ft. of when tested according to ASTM E283 at a minimum static-air-pressure difference of 6.24 lbf/sq. ft.

G. Water Penetration under Static Pressure: Metal-framed skylights that do not evidence water penetration through fixed glazing and framing areas when tested according to ASTM E331 at a minimum static-air-pressure difference of 20 percent of positive wind-load design pressure, but not less than 6.24 lbf/sq. ft. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.

H. Energy Performance: Provide metal-framed skylights with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:

1. Thermal Transmittance (U-Factor): Fixed glazing and framing areas shall have U-factor of not more than 0.75 Btu/sq. ft. x h x deg F as determined according to NFRC 100.
2. Solar Heat Gain Coefficient: Fixed glazing and framing areas shall have a solar heat gain coefficient of no greater than 0.35 as determined according to NFRC 200.

2.02 METAL-FRAMED SKYLIGHTS

A. Metal-Framed Skylights: Glazed skylight assemblies supported by aluminum framing.

B. Aluminum Framing Systems: Manufacturer's standard extruded-aluminum members of thickness required and reinforced as required to support imposed loads.

C. Aluminum: Alloy and temper as recommended in writing by manufacturer for type of use and finish indicated.

1. Sheet and Plate: ASTM B209.
2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B221.
3. Extruded Structural Pipe and Tubes: ASTM B429/B429M.
4. Structural Profiles: ASTM B308/B308M.

D. Pressure Caps: Manufacturer's standard aluminum components that mechanically retain glazing.

1. Include snap-on aluminum trim that conceals fasteners.

E. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning skylight components.

F. Fasteners and Accessories: Manufacturer's standard, corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.

G. Concealed Flashing: Manufacturer's standard, corrosion-resistant, nonstaining, nonbleeding flashing compatible with adjacent materials.

H. Exposed Flashing and Closures: Manufacturer's standard aluminum components not less than 0.060 inch thick.

I. Framing Sealants: As recommended in writing by manufacturer.

J. Corrosion-Resistant Coating: Cold-applied asphalt mastic.

2.03 GLAZING

A. Glazing: As specified in Section 08 80 00 "Glazing."

B. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black, resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.

C. Spacers and Setting Blocks: Manufacturer's standard elastomeric types..

D. Glazing Sealants: As recommended in writing by manufacturer**.**

2.04 FABRICATION

A. Fabricate aluminum components that, when assembled, have the following characteristics:

1. Profiles that are sharp, straight, and free of defects or deformations.
2. Accurately fitted joints with ends coped or mitered.
3. Physical and thermal isolation of glazing from framing members.
4. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.

B. Fabricate aluminum sill closures with weep holes and for installation as continuous component.

C. Reinforce aluminum components as required to receive fastener threads.

2.05 ALUMINUM FINISHES

A. High-Performance Organic Finish: Two-coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in color coat.

1. Color and Gloss: As selected by Architect from manufacturer's full range.

PART 3 - EXECUTION

3.01 INSTALLATION

A. General: Comply with manufacturer's written instructions.

1. Do not install damaged components.
2. Fit joints between aluminum components to produce hairline joints free of burrs and distortion.
3. Rigidly secure nonmovement joints.
4. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
5. Seal joints watertight unless otherwise indicated.

B. Metal Protection: Where aluminum will contact dissimilar materials, protect against galvanic action by painting contact surfaces with protective coating or by installing nonconductive spacers as recommended in writing by manufacturer for this purpose.

C. Install continuous aluminum sill closure with weatherproof expansion joints and locked and sealed or welded corners. Locate weep holes at rafters.

D. Install components to drain water passing joints, and moisture migrating within skylight to exterior.

E. Install components plumb and true in alignment with established lines and elevations.

F. Glazing: Install glazing as specified in Section 08 80 00 "Glazing."

G. Erection Tolerances: Install metal-framed skylights to comply with the following maximum tolerances:

1. Alignment: Limit offset from true alignment to 1/32 inch where surfaces abut in line, edge to edge, at corners, or where a reveal or protruding element separates aligned surfaces by less than 3 inches; otherwise, limit offset to 1/8 inch.
2. Location and Plane: Limit variation from true location and plane to 1/8 inch in 12 feet but no greater than 1/2 inch over total length.

3.2 FIELD QUALITY CONTROL

A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.

1. Water-Spray Test: Before installation of interior finishes has begun, skylights shall be tested according to AAMA 501.2 and shall not evidence water penetration.

B. Repair or remove work where test results and inspections indicate that it does not comply with specified requirements.

C. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

D. Prepare test and inspection reports.

END OF SECTION 08 63 00

SECTION 08 71 00

DOOR HARDWARE

PART 1 GENERAL

1.01 DESCRIPTION OF WORK

A. Definition: "Builders Hardware" includes items known commercially as builders which are required for swing, sliding and folding doors, except special types of unique and non-matching hardware specified in the same section as the door and door frame. Types of items in this section include (but are not necessarily limited to):

Hinges
Pivots
Spring hinges
Lock cylinders and keys
Lock and latch sets
Exit devices
Push/pull units
Closers
Overhead holders
Miscellaneous door control devices
Door trim units
Protection plates
Silencers

1.02 QUALITY ASSURANCE

A. Manufacturer: Obtain each kind of hardware (latch and lock sets, hinges, closers, etc.) from only one manufacturer, although several may be indicated as offering products complying with requirements.

B. Supplier: A recognized builders hardware supplier who has been furnishing hardware for a period of not less than five (5) years, and who is, or employs an experienced hardware consultant who is available to the Owner, Architect and Contractor, at reasonable times during the work, for consultation about project's hardware requirements,

C. Quality Assurance: The finish hardware supplier shall have in his employ an AHC member of the American Society of Hardware Consultants who shall be made available for consultation at no additional cost to the owner during course of construction.

D. Conform to the applicable sections of Chapter 5 of NFPA 101.

E. Conform to ANSI A117.1 for hardware locations requirements to meet all

handicapped codes.

1.03 SUBMITTALS

A. Product Data: Submit manufacturers technical information for each item of hardware. Include whatever information may be necessary to show compliance with requirements and include instructions for installation and for maintenance of operating parts and finish.

B. Hardware Schedule: Submit final hardware schedule in manner indicated below. Hardware schedules are intended for coordination of work. Finish hardware vendor shall submit four copies of a complete finish hardware schedule to the architect, for approval. He shall carefully examine drawings and furnish hardware to conform with hands, levels, door thickness, swing, etc. To obtain perfect operation of all members in coordination with specified, architectural design criteria; schedule shall also clearly identified door location and the manufacturer of each item listed therein.

1. Final Hardware Schedule Content: Based on builders' hardware indicated, organize hardware schedule into "hardware sets" indicating complete designations of every item required for each door or opening. Include the following information:

   Type, style, function, size, and finish of each hardware item.

   Name and manufacturer of each item.

   Fastenings and other pertinent information.

   Location of hardware set cross-referenced to indications on drawings both on floor plans and in door and frame schedule.

   Explanation of all abbreviations, symbols, codes, etc., contained in schedule.

   Mounting locations for hardware.

   Door and frame sizes and materials.

   Keying information.

C. Submittal Sequence: Submit schedule at earliest possible must proceed fabrication of other work (e.g., hollow metal frames) which is critical in the project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by builders' hardware, and other information essential to the coordinated review of hardware schedule.

D. Submit catalogs of each manufacturer, in duplicate, simultaneously with the transmittal of samples and schedules. Catalogs shall clearly illustrate each type of hardware, that is to be furnished, and illustrations shall be marked to define set numbers for which it is intended.

1.04 PRODUCT HANDLING

A. Packaging of hardware, on a set-by-set basis, is the responsibility of the supplier. As material is received by the hardware supplier from the various manufacturers, sort and repackage in containers marked with the hardware set number. Two or more identical sets may be packed in the same container.

B. Inventory hardware jointly with representatives of the hardware supplier and the hardware installer until each is satisfied that the count is correct.

C. Provide secure lockup for hardware delivered to the project, but not yet installed. Control and handling and installation of hardware items which are not immediately replaceable, so that the completion of the work will not be delayed by hardware losses, both before and after installation.

1.05 JOB CONDITIONS

A. Coordination: Coordinate hardware with other work. Tag each item or package separately, with identification related to the final hardware schedule, and include basic installation instruction in the package. Furnish hardware items of proper design for use on doors and frames of the thicknesses, profile, swing, security, and similar requirements indicated, as necessary for proper installation and function. Deliver individually packaged hardware items at the proper times to the proper locations (shop or project site) for installation.

B. Templates: Furnish hardware templates to each fabricator of doors, frames, and other work to be factory-prepared for the installation of hardware. Upon request, check the shop drawings of such other work, to confirm that adequate provisions are made for the proper installation of hardware.

C. Hardware vendor shall be responsible for furnishing templates to other trades as they require and shall be deliver such hardware to plants of other contractors or material vendors as necessary for them to install in their place of manufacture. All templates shall be clearly marked as to their respective heading number give full information with regard to installation, screw sizes, full product dimension and other pertinent details affecting their operation. All such template shall be coordinated completely with approved finish hardware schedule. Is the responsibility of the other trades to have all the templates necessary to properly manufacture their products.

1.06 REGULATORY REQUIREMENTS

A. Comply with all applicable codes for fire rated doors and frames.

B. Comply with applicable sections of chapter 5 of NFPA 101.

C. Comply with ANSI A117.1 for hardware location and requirements to meet all handicapped code and meet title III provisions of the American with disabilities act.

PART 2 PRODUCTS

2.01 SCHEDULED HARDWARE

A. Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of builders' hardware is indicated in the Hardware Schedule at the end of this section. Products are identified by using hardware designation numbers cross referenced to the door and frame schedule.

B. In order to define requirements for quality and functions of manufactured products and requirements such as size, gauges, grades selections, color selections and like requirements, these specifications are based upon products of those manufacturers who are named under various specifications for materials. The letter symbols listed below designate the manufacturer of that particular item of hardware.

1. MCK = MCKINNEY
2. SAR = SARGENT
3. TRI = TRIMCO
4. PCH = PC HENDERSON
5. RRB = RR BRINK
6. ADM = ADAMS RITE

C. All keys stamped " **DO NOT DUPLICATE** "

D. Final key layout as per Owner instructions

2.02 MATERIALS REQUIREMENTS

A. Furnish all locks and cylinders from the same manufacturer in the same style, utilizing keys and removable cylinders ("Best" type).

B. Key lock differently for each door, 1 gross ea. key blanks for each section used.

C. Furnish three (3) keys per lock, cylinder,

D. Master key all locks and cylinder as directed and provide six (6) master keys for each group, 12 grand masters.

E. Provide a construction key system which will eliminated when permanent key is inserted, 10 construction keys.

F. Finish: as per schedule, if not illustrated shall be U.S. 26D.

G. All metal door frames to have rubber silencers.

H. In compliance with American with Disabilities Act, ADA., provide lever handles at all doors designated for the handicapped.

PART 3 EXECUTION

3.01 INSTALLATION

A. Mount hardware units at heights indicated in "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute, except as specifically indicated or required to comply with governing regulations, and except as may be otherwise directed by Architect.

Location of hardware in connection with hinged and other swing type doors and frames shall be as follows, unless directed, indicated, or specified otherwise.

1. Locks and latches: 42 inches from finished floor to center line of strike.

2. Door pulls: 42 inches from finished floor to center of grip.

3. Push plate: 42 inches from finished floor of center plate.

4. Exit device: 36 inches from finished floor to center of bar.

5. Top hinges: to manufacturer's standard, but not greater than 10 inches from head of frame to center line of hinge.

6. Bottom hinge: to manufacturer's standard, but not greater than 12.5 inches from finish floor to center line of hinge.

7. Intermediate hinge: equally spaced between top and bottom hinge.

8. Dead lock only: 38 inches from finish floor to center line of strike.

9. Dead lock's (with separate latch set and or pull): 60 inches from floor to center line of strike.

10. When wood doors are used with hollow metal frames, coordinate location of hinge preparation on frames.

B. Install each hardware item in compliance with the manufacturer's instructions and

recommendations. Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, coordinate removal, storage and reinstallation or application of surface protection with finishing work specified in the Division 9 sections. Do not install surface mounted items until finishes have been completed on the substrate.

C. Set unit level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.

D. Drill and countersink units which are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

3.02 ADJUST AND CLEAN

A. Adjust and check each operating item of hardware and each door, to ensure proper operation of function of every unit. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.

B. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy of a space or area, return to the work during the week prior to acceptance or occupancy, and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.

C. Instruct Owners Personnel in proper adjustment and maintenance of hardware and hardware finishes, during the final adjustment of hardware.

D. At completion, remove all excess materials and all debris resultant from operation of work of this section. Leave entire work in neat, clean condition satisfactory for receipt of other related items of work which are to be installed as part of work of other sections of these specifications.

3.03 HARDWARE SCHEDULE

A. Hardware Schedule: As included in drawings. “Best” keying system is required for all hardware. Verify with owner keying system.

B. Quantities, if included in the schedule, are for reference only, the final count is contractor's responsibility. The Contractor must verify floor plans and doors schedule to determine final quantities.

C. Schedule a meeting between the Owner, architect, supplier, contractor, and installer before ordering hardware and doors.

D. Verify in the field if wall stop or floor stops are to be use, and the most suitable one for each individual location.

END OF SECTION 08 71 00

SECTION 08 80 00

GLAZING

PART 1 GENERAL

1,01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section Includes:

1. Glass products.
2. Laminated glass.
3. Glazing sealants.
4. Glazing tapes.
5. Miscellaneous glazing materials.

1.03 DEFINITIONS

A. Glass Manufacturers: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.

B. Glass Thicknesses: Indicated by thickness designations in inches in accordance with ASTM C1036.

C. IBC: International Building Code.

D. Interspace: Space between lites of an insulating-glass unit.

1.04 COORDINATION

A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.

1.05 PREINSTALLATION MEETINGS

B. Preinstallation Conference: Conduct conference at Project site.

1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
2. Review temporary protection requirements for glazing during and after installation.

1.06 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Sustainable Design Submittals: As required in Section 01 81 13 Sustainable Design Requirements.

C. Glass Samples: For each type of glass product other than clear monolithic vision glass; 12 inches square.

1. Tinted glass.
2. Coated glass.
3. Laminated glass.

D. Glazing Accessory Samples: For sealants and colored spacers, in 12-inch (300-mm) lengths. Install sealant Samples between two strips of material representative in color of adjoining framing system.

E. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use the same designations indicated on Drawings.

F. Delegated-Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by qualified professional engineer responsible for their preparation.

1.07 INFORMATIONAL SUBMITTALS

G. Qualification Data: For Installer and manufacturers of fabricated glass units. Retain.

H. Product Certificates: For each type of glass specified.

I. Product Test Reports: For fabricated glass and] glazing sealants], for tests performed by a qualified testing agency.

1. For glazing sealants, provide test reports based on testing current sealant formulations within previous 36-month period.

J. Preconstruction adhesion and compatibility test report.

K. Sample Warranties: For special warranties.

1.08 QUALITY ASSURANCE

L. Assembled-Glass Manufacturer Qualifications: A qualified manufacturer of fabricated glass units who is approved and certified by primary glass manufacturer.

M. Installer Qualifications: A qualified glazing contractor for this Project who is certified under the North American Contractor Certification Program (NACC) for Architectural Glass & Metal (AG&M) contractors and who employs glazing technicians certified under the Architectural Glass and Metal Technician (AGMT) certification program.

N. Glass Testing Agency Qualifications: A qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.

O. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C1021 to conduct the testing indicated.

P. Mockups: Build mockups to demonstrate aesthetic effects and to set quality standards for materials and execution.

1. Install glazing in mockups specified in Section 08 41 13 "Aluminum-Framed Entrances and Storefronts" to match glazing systems required for Project, including glazing methods.
2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.09 PRECONSTRUCTION TESTING

Q. Preconstruction Adhesion and Compatibility Testing: Test each glass product, tape sealant, gasket, glazing accessory, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.

1. Testing is not required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
2. Use ASTM C1087 to determine whether priming and other specific joint-preparation techniques are required to obtain rapid, optimum adhesion of glazing sealants to glass, tape sealants, gaskets, and glazing channel substrates.
3. Test no fewer than 2 Samples of each type of material, including joint substrates, shims, sealant backings, secondary seals, and miscellaneous materials.
4. Schedule enough time for testing and analyzing results to prevent delaying the Work.
5. For materials failing tests, submit sealant manufacturer's written instructions for corrective measures including use of specially formulated primers.

1.10 DELIVERY, STORAGE, AND HANDLING

A. Protect glazing materials in accordance with manufacturer's written instructions. Prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.

B. Comply with insulating-glass manufacturer's written instructions for venting and sealing units to avoid hermetic seal ruptures due to altitude change.

1.11 FIELD CONDITIONS

A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.

1. Do not install glazing sealants when ambient and substrate temperature conditions are outside limits permitted by sealant manufacturer.

1.12 WARRANTY

B. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer agrees to replace coated-glass units that deteriorate within specified warranty period. Deterioration of coated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in coating.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

C. Manufacturer's Special Warranty for Laminated Glass: Manufacturer agrees to replace laminated-glass units that deteriorate within specified warranty period. Deterioration of laminated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

D. Manufacturer's Special Warranty for Heat-Soaked Tempered Glass: Manufacturer agrees to replace heat-soaked tempered glass units that spontaneously break due to nickel sulfide (NiS) inclusions at a rate exceeding 0.3 percent (3/1000) within specified warranty period. Coverage for any other cause is excluded.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Source Limitations for Glass: Obtain glass from single source from single manufacturer.

B. Source Limitations for Glazing Accessories: For each product and installation method, obtain from single source from single manufacturer.

2.02 PERFORMANCE REQUIREMENTS

A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.

B. Delegated Design: Design glass, including comprehensive engineering analysis by a qualified licensed professional engineer in Puerto Rico, according to ICC 2018 and the Puerto Rico amendments using the following design criteria:

C. Wind Design Data: 180 mph.

D. Safety Glazing: Where safety glazing is indicated, provide glazing that complies with 16 CFR 1201, Category II.

E. Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:

Basis of Design: U Value 1.2; SHGC Value 0.25.

2.03 GLASS PRODUCTS, GENERAL

A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below unless more stringent requirements are indicated. See these publications for glazing terms not otherwise defined in this Section or in referenced standards.

1. NGA Publications: "Laminated Glazing Reference Manual" and "Glazing Manual."
2. AAMA Publications: AAMA GDSG-1, "Glass Design for Sloped Glazing," and AAMA TIR A7, "Sloped Glazing Guidelines."
3. IGMA Publication for Sloped Glazing: IGMA TB-3001, "Guidelines for Sloped Glazing."

4. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."

B. Safety Glazing Labeling: Where safety glazing is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

C. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the IGCC.

D. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass that complies with performance requirements and is not less than thickness indicated.

1. Minimum Glass Thickness for Exterior Lites: 1/4".
2. Thickness of Tinted Glass: Provide same thickness for each tint color indicated throughout Project.

E. Strength: Where annealed float glass is indicated, provide annealed float glass, heat-strengthened float glass, or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where heat-strengthened float glass is indicated, provide heat-strengthened float glass or fully tempered float glass as needed to comply with "Performance Requirements" Article.. Where fully tempered float glass is indicated, provide fully tempered float glass.

2.04 GLASS PRODUCTS

A. Thickness: where glass thickness is indicated, it is a minimum. Provide glass lites in thicknesses as needed to comply with requirements indicated.

B. Strength: where float glass is indicated, provide annealed float glass, Kind HS, or Kind FT to comply with performance requirements article.

C. Windborne – debris impact resistance: provide exterior glazing that passes basic protection testing requirements in ASTM E 1996 for Wind Zone when tested according to ASTM 1886. Test specimens shall be no smaller in width and length that glazing indicated for use on the project and shall be installed in same manner as glazing indicated for use on the project.

2.05 BASIS OF DESIGN

A. Translucent Glass: U Channel Translucent Glass exterior wall, 6 MM, tempered, heat proof, energy saving, width 232 MM.

www.glassmanufacturerchina.com/products/interior-and-exterior-U-channel-glass-curtain-wall-fa-ade-manufacturer-china.html

2.06 GLAZING SEALANTS

A. General:

1. Compatibility: Compatible with one another and with other materials they contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.

3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range of industry colors.

B. Neutral-Curing Silicone Glazing Sealant, Class 100/50: Complying with ASTM C920, Type S, Grade NS, Use NT.

C. Neutral-Curing Silicone Glazing Sealant, Class 50: Complying with ASTM C920, Type S, Grade NS, Use NT.

D. Neutral-Curing Silicone Glazing Sealant, Class 25: Complying with ASTM C920, Type S, Grade NS, Use NT.

E. Acid-Curing Silicone Glazing Sealant, Class 25: Complying with ASTM C920, Type S, Grade NS, Use NT.

2.07 GLAZING TAPES

A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below:

1. AAMA 804.3 tape, where indicated.
2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.

B. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:

1. AAMA 810.1, Type 1, for glazing applications in which tape acts as primary sealant.
2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.08 MISCELLANEOUS GLAZING MATERIALS

A. General: Provide products of material, size, and shape complying with referenced glazing standard, recommended in writing by manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.

B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.

C. Setting Blocks:

1. Type recommended in writing by sealant or glass manufacturer.

D. Spacers:

1. Type recommended in writing by sealant or glass manufacturer.

E. Edge Blocks:

1. Type recommended in writing by sealant or glass manufacturer.

F. Cylindrical Glazing Sealant Backing: ASTM C1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.09 FABRICATION OF GLAZING UNITS

A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.

1. Allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components.

B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites to produce square edges with slight chamfers at junctions of edges and faces.

C. Grind smooth and polish exposed glass edges and corners.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine framing, glazing channels, and stops, with Installer present, for compliance with the following:

1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
2. Presence and functioning of weep systems.
3. Minimum required face and edge clearances.
4. Effective sealing between joints of glass-framing members.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.

B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that leave visible marks in the completed Work.

3.03 GLAZING, GENERAL

A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.

B. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass includes glass with edge damage or other imperfections that, when installed, could weaken glass, impair performance, or impair appearance.

C. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.

D. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

E. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.

F. Provide spacers for glass lites where length plus width is larger than 50 inches.

1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
2. Provide 1/8-inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.

G. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and in accordance with requirements in referenced glazing publications.

H. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.

I. Set glass lites with proper orientation so that coatings face exterior or interior as specified.

J. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.

K. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended in writing by gasket manufacturer.

3.04 TAPE GLAZING

A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.

B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.

C. Cover vertical framing joints by applying tapes to heads and sills first, then to jambs. Cover horizontal framing joints by applying tapes to jambs, then to heads and sills.

D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.

E. Do not remove release paper from tape until right before each glazing unit is installed.

F. Apply heel bead of elastomeric sealant.

G. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.

H. Apply cap bead of elastomeric sealant over exposed edge of tape.

3.05 GASKET GLAZING

A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.

B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.

C. Installation with Drive-in Wedge Gaskets: Center glass lites in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended in writing by gasket manufacturer.

D. Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended in writing by gasket manufacturer.

E. Install gaskets so they protrude past face of glazing stops.

3.06 CLEANING AND PROTECTION

A. Immediately after installation, remove non-permanent labels and clean surfaces.

B. Protect glass from contact with contaminating substances resulting from construction operations. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains.

1. If, despite such protection, contaminating substances do contact with glass, remove substances immediately as recommended in writing by glass manufacturer. Remove and replace glass that cannot be cleaned without damage to coatings.

C. Remove and replace glass that is damaged during construction period.

D. Wash glass on both exposed surfaces not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

END OF SECTION 08 80 00

Appendix G

Windows and Doors Specifications

SECTION 08 41 13

ALUMINUM-FRAMED WINDOWS AND STOREFRONTS

PART - 1 GENERAL

1.01 SECTION INCLUDES

A. Aluminum frames, windows and glass doors, and infill panels as indicated on the drawings.

B. Related Work Specified Elsewhere:

1. Section 07 92 00 - Joint Sealants
2. Section 08 71 00 - Door Hardware
3. Section 08 80 00 – Glazing

1.02 SUBMITTALS

A. Shop Drawings: Indicate system and component dimensions; components within assembly; framed openings requirements and tolerances; anchorage and fasteners; glass and infills; door hardware requirements; and affected related work. Engineering calculations showing compliance with wind load pressure as required by the Puerto Rico Building Code 2018, and rigidity and weather tightness criteria contained in this section.

B. Product data and manufacturers published installation instructions, data on finishes, hardware, and accessories. Recommendations for maintenance and cleaning of exterior surfaces.

C. Samples: of each type of aluminum finish, on 12-inch-long sections of extrusions or formed shapes and samples of all other materials including but not limited to: gaskets, sealant, and fasteners.

D. Provide certified test results showing that windows and storefront systems, including glazing, have been tested by a recognized testing laboratory or agency and comply with specified performance characteristics.

1.03 QUALITY ASSURANCE

A. Single Source responsibility: Obtain windows and storefront doors for entire project from one source and by a single manufacturer. Perform work under this section under a single subcontract to ensure unified responsibility as an integrated system.

B. Installer Qualifications: Engage an experienced installer who has completed windows and storefront installations similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance.

C. Comply with applicable sections of the following standards:

1. AAMA - Store Front and entrance - Guide Specifications Manual

2. AAMA 2605-98 - Voluntary Performance Requirements and Test Procedures for Pigmented Organic Coatings on Extruded Aluminum.

3. ASTM E 283-91 Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.

4. ASTM E 331-96 Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

D. Comply with provisions of the Puerto Rico Building Code, 2018 edition, regarding structural performance, wind resistance, and energy code provisions. Compliance to be certified by a Puerto Rico licensed Engineer. All exterior glazing must be impact resistant complying with the requirements of the International Building Code,2018 edition and the Puerto Rico amendments.

1.01 WARRANTY

A. Provide five (5) years warranty under the provisions of the Contract Documents.

PART – 2 PRODUCTS

2.01 MANUFACTURERS

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Air Master
2. Valcor
2. Glasstra Aluminum
3. Delta Engineers

2.03 BASIS OF DESIGN

A. Curtain wall: Clear insulated glass .2" Sightline 6" depth (or 7 ½" depth for double pane 1" insulating glass), Ultra-Thermal performance, seismic (AAMA 501.4 and 501.6 standards), structural silicone glazed (SSG) options.
www.kawneer.com/kawneer/north_america/en/product.asp?prod_id=4701&desc=thermal-ssg-curtain-wall-system

2.03 MATERIALS

A. Extruded Aluminum: ASTM B221; 6063 alloy, T-5 temper.

B. Sheet Aluminum: ASTM B209; 5055 alloy.

C. Steel Sections: ASTM A36; Structural shapes to suit mullion sections; galvanized.

D. Primer: Zinc chromate for shop application and field touch-up.

E. Fasteners: Stainless steel.

F. Sealant Backing Materials: As specified in Section 079200 and in accordance with manufacturer recommendations.

2.04 FABRICATED COMPONENTS

A. Frames: size as indicated in the drawings with non-thermally broken, medium stile, and flush glazing stops. Members shall not be less than 0.62" in wall thickness and 3" frame depth.

B. Reinforced Mullion: size as indicated in the shop drawings with profile of aluminum cladding with internal reinforcement of shaped structural steel section.

GLASS AND GLAZING MATERIALS

A. Glass shall be of the types and minimum thickness, as shown on the drawings and specified herein, and shall, in addition, meet the requirements of the following paragraphs.

B.

All glass shall be the manufactured product of one (1) company. All fabricated glass products shall be the fabricated and coated products of one (1) company. All glass shall be delivered to the site bearing the manufacturer's label, complete with glazing instructions where applicable.

C. Insulating glass shall be dual seal and certified for compliance with seal classification "CBA" by the Insulating Glass Certification Council (IGC) and tested in accordance with the following ASTM Test methods. Secondary seal on structural silicone glazed units shall be a special silicone edge seal certified for use in structural silicone glazing applications over the temperature range and structural loading as called for under the performance criteria section of this Specification.

1. E 773-01 Standard Test Method for Seal Durability of Sealed Insulating Glass Units.
2. E 774-97 Standard Specification for Sealed Insulating Glass Units.
3. E 546-14 Standard Test Method for Frost Point of Sealed Insulating Glass Units.
4. E 576-14 Standard Test Method for Dew/Frost Point of Sealed Insulating Glass Units in Vertical Position.

D. The lites comprising insulating glass units shall be heat strengthened, (or fully tempered where required to meet wind load or safety glazing requirements), as shown, specified, required, or recommended by the specified glass fabricator to insure against heat breakage and to assure adequate glass performance at the specified design pressures specified under the performance criteria herein.

E. Glass shall conform to the requirements of ASTM C 1036. Heat strengthened and tempered glass shall conform to the requirements of ASTM C 1048. Tempered glass shall also conform to ANSI Z97.1-2015. All heat strengthening and tempering shall be by the horizontal process and processed in such a manner as to have all roller distortion in a horizontal direction as installed on the building.

F. All fully tempered glass shall be heat soaked (checked) at glass surface temperatures of not less than 400 deg. for 4 hours if this procedure is available from the glass manufacturer. Glass manufacturers shall submit for approval their proposal for meeting this requirement.

G. Where glass manufacturers cannot assure adequate structural performance of insulating glass units, based upon combination of inner/outer lite, assume outer lite alone must satisfy structural requirements. Method of installation must be in accordance with the manufacturer's published literature, as well as the latest standards of the FGMA and SIGMA. Method of installation shall make provision to weep all sill glazing rabbets.

H. Contractor shall provide certification from glass producer/fabricator that glass producer/fabricator has reviewed all glazing details and thicknesses and finds same suitable for the purpose intended in accordance with these specifications. This shall include a written wind load and thermal stress analysis showing a probability of failure of no greater than 8 lites per thousand for conventional glazing and 4 lites per thousand for structural silicone glazing at the design loads and local climatic thermal conditions.

I. Glass producer/fabricator shall make regular inspections (maximum interval semi-monthly) of glazing work in progress at the point of glazing for both mock-up and job production units to verify that glazing is proceeding in accordance with his recommendations. Glass producer/fabricator shall attend the mock-up test at no additional cost to the Owner.

J. Insulating glass units shall be installed in such manner as to adequately drain the glazing rabbet in a manner, as approved in writing, by the insulating unit glass manufacturer.

K. Contractor shall include in his design provision for reglazing vision lites with access from the interior except for structurally glazed lites which shall be reglazed from the exterior and spandrel lites with access from the exterior only. Mock-up shall include lites shop glazed in the initial installation as well as field glazed in the replacement mode.

L. Glass deflection at full design load shall be limited to the lesser of L/100 or 3/4". In event specified glass cannot meet these requirements, Contractor shall submit calculations establishing anticipated deflections and reduction in glass bite as a consequence of deflections, along with his drawings. The submittal shall include a statement from glass manufacturer/fabricator that reduction in glass bite will not result in a reduction in load resistance capacity, an increase in breakage probability and that all specified warranties shall remain in effect.

M. All sealants and gaskets shall be custom color as selected by Arcthe Architect

N. Glass behavior during seismic/interstory movement should not be damaging to the system or the glass panel.

O. Glass: See Section 088000.

C. Glass and Glazing Materials: REFER TO PROJECT DATA TABLE

Low e coating shall comply with SHGC of .25 or better.

2.05 FRAMEWORK

A. Framework: Standard extruded shapes, sizes as indicated in the drawings or as recommended by manufacturer, flush glazed members, complete with supports and accessories, sufficiently sized to leave equal reveal all around aluminum floor and jambs.

B. Fasteners: Stainless steel, AISI Type 302 (18-8), having annealed tensile strength of 80,000 psi minimum, finished to match framework members. Plated or coated materials will not be permitted.

1. Anchorage of frames at jambs, heads, sills and mullions: Comply with local building department requirements and as approved by Owner and Structural Engineer.

C. Performance Requirements:

1. Air Infiltration: Tested in accordance with ASTM E 283, not to exceed .06 cfm per square feet of fixed area.

2. Water Infiltration: Tested in accordance with ASTM E 331. No water penetration at a test pressure of 6.24 psf.

3. Structural Performance: As included in Project Data Table on G Series Drawings.

4. Thermal Performance: comply with SHGC of .25 or better

2.06 ALUMINUM FRAME GLASS DOORS

A. Stile narrow Stile entrance units, offset pivot action, beveled glass stops, complete with all hardware required except lock cylinder, which will be provided by the finish hardware supplier but installed by the door manufacturer, concealed overhead closers finished to match door and frame, standard pulls on each side of each leaf, lock, threshold, and frame.

2.07 HARDWARE

A. Sill Sweep Strips: resilient seal type of neoprene compound.

B. Threshold: Extruded aluminum, one piece per door opening, ribbed surface.

C. Pivots: Offset type.

D. Push/Pull: Push/Pull as indicated on drawings and in notes. If otherwise not indicate provide F-2 style.

E. Closer: Heavy-duty, concealed.

F. Others: Per Section 08 71 00

2.08 FABRICATION

A. Fabricate frames allowing for minimum clearances and shim spacing around perimeter of assembly.

B. Accurately and rigidly fit and secure joints and corners, flush, hairline, and weatherproof.

C. Arrange fasteners, attachments, and jointing to ensure concealment from view.

D. Prepare components with internal reinforcement for door hardware and door operator hinge hardware.

2.09 FINISHES

A. Exterior and Interior Aluminum Surfaces: Chemically degreased and etched aluminum members with applied thermosetting TGIC electrostatic powder coating with inhibitive flash primer over chromate conversion coating. Meet or exceed AAMA 2605-98 standards. Color as selected by Architect.

B. Apply bituminous paint to concealed unpainted surfaces in contact with dissimilar materials.

C. Concealed Steel Items: Galvanized in accordance to ASTM A386 to 2.0 oz/sq ft.

PART 3 - EXECUTION

3.01 EXAMINATION AND PREPARATION

A. Verify that wall openings and adjoining air and vapor seal materials are ready to receive work.

3.02 COMPONENTS

A. Provide specifically extruded sub-frames at head and sill. Prior to unit installation caulk inside corners of sill and sub-frames and anchoring screws.

B. Provide storm panel sub-frames.

C. If needed by the system provide special extruded double snap-in mullion designed to receive two window units and combine jamb frame to form a 2 ¼" x 3" structural tubular 3" walled mullion.

3.03 INSTALLATION

A. Install frames, glazing, hardware and flashings in accordance with manufacturer's instructions and AAMA - Store Front and Entrance - Guide Specifications Manual.

B. Use anchorage devices to securely attach frame assembly to structure.

1. Unless otherwise dictated by engineering calculations to comply with structural performance indicated, anchor as follows:

a. Fasten head and sill sub-frame units to opening using # 14 x 1 ½ ", RHCPSMS screws with 5/16" plastic anchors at 18" on center minimum.

b. Fasten jambs to opening with # 10 x 3" screws with ¼" plastic anchors at 18" on center (minimum 2 screws per part).

c. Secure mullion members with each other by specially extruded ¼" outside diameter tube attached with two (2) # 10 x ½" FHSSSMS screws. Secure windows to sill sub-frame with 3/16" rivets.

C. Align assembly plumb and level, free of warp of twist. Maintain assembly dimensional tolerances, aligning with adjacent work.

D. Install hardware using templates provided. Refer to Section 087100 for requirements.

E. Install glass in accordance with Section 088000.

F. Install perimeter type sealant, backing materials, and installation requirements in accordance with Section 07 92 00 and as recommended by the manufacturer.

3.04 TOLERANCES

A. Variation from Plane: 0.03 inches per foot maximum or 0.25 inches per 30 feet; whichever is less.

3.05 CLEANING AND PROTECTION

A. Remove protective material from pre-finished surfaces.

B. Wash exposed surfaces with mild detergent solution, remove dirt from corners, wipes surfaces clean.

C. Remove excess sealant as recommended by sealant manufacturer.

D. Clean metal surfaces promptly after installation, exercising care to avoid damage to factory finished exposed surfaces. B. Wash glass as recommended by the glass manufacturer. Remove excess glazing and sealant compounds, dirt and other substances. C. Immediately remove any deleterious material from surfaces of aluminum. D. Supply to the Employer, written maintenance instructions for the care, cleaning and servicing of unitized curtain wall components, including a complete set of as built shop drawings.

END OF SECTION 08 41 13

SECTION 08 63 00

METAL-FRAMED SKYLIGHTS

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes skylights with metal framing.

1.02 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.03 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Sustainable Design Submittals:

1. Comply with the requirements of Section 01 81 13 Sustainable Design Requirements.

C. Shop Drawings: For metal-framed skylights. Include plans, elevations, sections, and attachment details.

D. Samples: For each type of exposed finish required, in manufacturer's standard sizes.

1.04 INFORMATIONAL SUBMITTALS

A. Product test reports.

B. Field quality-control reports.

C. Sample warranties.

1.05 WARRANTY

A. Manufacturer's Warranty: Manufacturer agrees to repair or replace components of metal-framed skylights that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

B. Special Aluminum-Finish Warranty: Manufacturer agrees to repair or replace components on which finishes fail within specified warranty period. The warranty does not include normal weathering.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

A. Structural Loads: As indicated on G Series Drawings.

B. Deflection of Framing Members: At design wind pressure, as follows:

1. Deflection Normal to Glazing Plane: Limited to edge of glass in a direction perpendicular to glass plane not exceeding L/175 of the glass edge length for each individual glazing lite] [1/175 of clear span for spans up to 13 feet 6 inches and to 1/240 of clear span plus 1/4 inch for spans more than 13 feet 6 inches or an amount that restricts edge deflection of individual glazing lites to 3/4 inch, whichever is less.

C. Lateral Bracing of Framing Members: Compression flanges of flexural members are laterally braced by cross members with minimum depth equal to 50 percent of flexural member that is braced. Glazing does not provide lateral support.

D. Structural-Test Performance: Metal-framed skylights tested according to ASTM E330, as follows:

1. When tested at positive and negative wind-load design pressures, assemblies do not evidence deflection exceeding specified deflection limits.
2. When tested at 150 percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress, and permanent deformation of main framing members exceeding 0.2 percent of span.
3. Test Durations: As required by design wind velocity, but not less than **10** seconds.

E. Windborne-Debris Impact Resistance: Passes ASTM E1886 missile-impact and cyclic-pressure tests in accordance with ASTM E1996 for Wind Zone **4** for enhanced protection.

1. Large-Missile Test: For glazing located within 30 feet of grade.

F. Air Infiltration: Metal-framed skylights with maximum air leakage through fixed glazing and framing areas of 0.06 cfm/sq. ft. of when tested according to ASTM E283 at a minimum static-air-pressure difference of 6.24 lbf/sq. ft.

G. Water Penetration under Static Pressure: Metal-framed skylights that do not evidence water penetration through fixed glazing and framing areas when tested according to ASTM E331 at a minimum static-air-pressure difference of 20 percent of positive wind-load design pressure, but not less than 6.24 lbf/sq. ft. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.

H. Energy Performance: Provide metal-framed skylights with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:

1. Thermal Transmittance (U-Factor): Fixed glazing and framing areas shall have U-factor of not more than 0.75 Btu/sq. ft. x h x deg F as determined according to NFRC 100.
2. Solar Heat Gain Coefficient: Fixed glazing and framing areas shall have a solar heat gain coefficient of no greater than 0.35 as determined according to NFRC 200.

2.02 METAL-FRAMED SKYLIGHTS

A. Metal-Framed Skylights: Glazed skylight assemblies supported by aluminum framing.

B. Aluminum Framing Systems: Manufacturer's standard extruded-aluminum members of thickness required and reinforced as required to support imposed loads.

C. Aluminum: Alloy and temper as recommended in writing by manufacturer for type of use and finish indicated.

1. Sheet and Plate: ASTM B209.
2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B221.
3. Extruded Structural Pipe and Tubes: ASTM B429/B429M.
4. Structural Profiles: ASTM B308/B308M.

D. Pressure Caps: Manufacturer's standard aluminum components that mechanically retain glazing.

1. Include snap-on aluminum trim that conceals fasteners.

E. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning skylight components.

F. Fasteners and Accessories: Manufacturer's standard, corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.

G. Concealed Flashing: Manufacturer's standard, corrosion-resistant, nonstaining, nonbleeding flashing compatible with adjacent materials.

H. Exposed Flashing and Closures: Manufacturer's standard aluminum components not less than 0.060 inch thick.

I. Framing Sealants: As recommended in writing by manufacturer.

J. Corrosion-Resistant Coating: Cold-applied asphalt mastic.

2.03 GLAZING

A. Glazing: As specified in Section 08 80 00 "Glazing."

B. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black, resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.

C. Spacers and Setting Blocks: Manufacturer's standard elastomeric types..

D. Glazing Sealants: As recommended in writing by manufacturer**.**

2.04 FABRICATION

A. Fabricate aluminum components that, when assembled, have the following characteristics:

1. Profiles that are sharp, straight, and free of defects or deformations.
2. Accurately fitted joints with ends coped or mitered.
3. Physical and thermal isolation of glazing from framing members.
4. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.

B. Fabricate aluminum sill closures with weep holes and for installation as continuous component.

C. Reinforce aluminum components as required to receive fastener threads.

2.05 ALUMINUM FINISHES

A. High-Performance Organic Finish: Two-coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in color coat.

1. Color and Gloss: As selected by Architect from manufacturer's full range.

PART 3 - EXECUTION

3.01 INSTALLATION

A. General: Comply with manufacturer's written instructions.

1. Do not install damaged components.
2. Fit joints between aluminum components to produce hairline joints free of burrs and distortion.
3. Rigidly secure nonmovement joints.
4. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
5. Seal joints watertight unless otherwise indicated.

B. Metal Protection: Where aluminum will contact dissimilar materials, protect against galvanic action by painting contact surfaces with protective coating or by installing nonconductive spacers as recommended in writing by manufacturer for this purpose.

C. Install continuous aluminum sill closure with weatherproof expansion joints and locked and sealed or welded corners. Locate weep holes at rafters.

D. Install components to drain water passing joints, and moisture migrating within skylight to exterior.

E. Install components plumb and true in alignment with established lines and elevations.

F. Glazing: Install glazing as specified in Section 08 80 00 "Glazing."

G. Erection Tolerances: Install metal-framed skylights to comply with the following maximum tolerances:

1. Alignment: Limit offset from true alignment to 1/32 inch where surfaces abut in line, edge to edge, at corners, or where a reveal or protruding element separates aligned surfaces by less than 3 inches; otherwise, limit offset to 1/8 inch.
2. Location and Plane: Limit variation from true location and plane to 1/8 inch in 12 feet but no greater than 1/2 inch over total length.

3.2 FIELD QUALITY CONTROL

A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.

1. Water-Spray Test: Before installation of interior finishes has begun, skylights shall be tested according to AAMA 501.2 and shall not evidence water penetration.

B. Repair or remove work where test results and inspections indicate that it does not comply with specified requirements.

C. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

D. Prepare test and inspection reports.

END OF SECTION 08 63 00

SECTION 08 71 00

DOOR HARDWARE

PART 1 GENERAL

1.01 DESCRIPTION OF WORK

A. Definition: "Builders Hardware" includes items known commercially as builders which are required for swing, sliding and folding doors, except special types of unique and non-matching hardware specified in the same section as the door and door frame. Types of items in this section include (but are not necessarily limited to):

Hinges
Pivots
Spring hinges
Lock cylinders and keys
Lock and latch sets
Exit devices
Push/pull units
Closers
Overhead holders
Miscellaneous door control devices
Door trim units
Protection plates
Silencers

1.02 QUALITY ASSURANCE

A. Manufacturer: Obtain each kind of hardware (latch and lock sets, hinges, closers, etc.) from only one manufacturer, although several may be indicated as offering products complying with requirements.

B. Supplier: A recognized builders hardware supplier who has been furnishing hardware for a period of not less than five (5) years, and who is, or employs an experienced hardware consultant who is available to the Owner, Architect and Contractor, at reasonable times during the work, for consultation about project's hardware requirements,

C. Quality Assurance: The finish hardware supplier shall have in his employ an AHC member of the American Society of Hardware Consultants who shall be made available for consultation at no additional cost to the owner during course of construction.

D. Conform to the applicable sections of Chapter 5 of NFPA 101.

E. Conform to ANSI A117.1 for hardware locations requirements to meet all

handicapped codes.

1.03 SUBMITTALS

A. Product Data: Submit manufacturers technical information for each item of hardware. Include whatever information may be necessary to show compliance with requirements and include instructions for installation and for maintenance of operating parts and finish.

B. Hardware Schedule: Submit final hardware schedule in manner indicated below. Hardware schedules are intended for coordination of work. Finish hardware vendor shall submit four copies of a complete finish hardware schedule to the architect, for approval. He shall carefully examine drawings and furnish hardware to conform with hands, levels, door thickness, swing, etc. To obtain perfect operation of all members in coordination with specified, architectural design criteria; schedule shall also clearly identified door location and the manufacturer of each item listed therein.

1. Final Hardware Schedule Content: Based on builders' hardware indicated, organize hardware schedule into "hardware sets" indicating complete designations of every item required for each door or opening. Include the following information:

   Type, style, function, size, and finish of each hardware item.

   Name and manufacturer of each item.

   Fastenings and other pertinent information.

   Location of hardware set cross-referenced to indications on drawings both on floor plans and in door and frame schedule.

   Explanation of all abbreviations, symbols, codes, etc., contained in schedule.

   Mounting locations for hardware.

   Door and frame sizes and materials.

   Keying information.

C. Submittal Sequence: Submit schedule at earliest possible must proceed fabrication of other work (e.g., hollow metal frames) which is critical in the project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by builders' hardware, and other information essential to the coordinated review of hardware schedule.

D. Submit catalogs of each manufacturer, in duplicate, simultaneously with the transmittal of samples and schedules. Catalogs shall clearly illustrate each type of hardware, that is to be furnished, and illustrations shall be marked to define set numbers for which it is intended.

1.04 PRODUCT HANDLING

A. Packaging of hardware, on a set-by-set basis, is the responsibility of the supplier. As material is received by the hardware supplier from the various manufacturers, sort and repackage in containers marked with the hardware set number. Two or more identical sets may be packed in the same container.

B. Inventory hardware jointly with representatives of the hardware supplier and the hardware installer until each is satisfied that the count is correct.

C. Provide secure lockup for hardware delivered to the project, but not yet installed. Control and handling and installation of hardware items which are not immediately replaceable, so that the completion of the work will not be delayed by hardware losses, both before and after installation.

1.05 JOB CONDITIONS

A. Coordination: Coordinate hardware with other work. Tag each item or package separately, with identification related to the final hardware schedule, and include basic installation instruction in the package. Furnish hardware items of proper design for use on doors and frames of the thicknesses, profile, swing, security, and similar requirements indicated, as necessary for proper installation and function. Deliver individually packaged hardware items at the proper times to the proper locations (shop or project site) for installation.

B. Templates: Furnish hardware templates to each fabricator of doors, frames, and other work to be factory-prepared for the installation of hardware. Upon request, check the shop drawings of such other work, to confirm that adequate provisions are made for the proper installation of hardware.

C. Hardware vendor shall be responsible for furnishing templates to other trades as they require and shall be deliver such hardware to plants of other contractors or material vendors as necessary for them to install in their place of manufacture. All templates shall be clearly marked as to their respective heading number give full information with regard to installation, screw sizes, full product dimension and other pertinent details affecting their operation. All such template shall be coordinated completely with approved finish hardware schedule. Is the responsibility of the other trades to have all the templates necessary to properly manufacture their products.

1.06 REGULATORY REQUIREMENTS

A. Comply with all applicable codes for fire rated doors and frames.

B. Comply with applicable sections of chapter 5 of NFPA 101.

C. Comply with ANSI A117.1 for hardware location and requirements to meet all handicapped code and meet title III provisions of the American with disabilities act.

PART 2 PRODUCTS

2.01 SCHEDULED HARDWARE

A. Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of builders' hardware is indicated in the Hardware Schedule at the end of this section. Products are identified by using hardware designation numbers cross referenced to the door and frame schedule.

B. In order to define requirements for quality and functions of manufactured products and requirements such as size, gauges, grades selections, color selections and like requirements, these specifications are based upon products of those manufacturers who are named under various specifications for materials. The letter symbols listed below designate the manufacturer of that particular item of hardware.

1. MCK = MCKINNEY
2. SAR = SARGENT
3. TRI = TRIMCO
4. PCH = PC HENDERSON
5. RRB = RR BRINK
6. ADM = ADAMS RITE

C. All keys stamped " **DO NOT DUPLICATE** "

D. Final key layout as per Owner instructions

2.02 MATERIALS REQUIREMENTS

A. Furnish all locks and cylinders from the same manufacturer in the same style, utilizing keys and removable cylinders ("Best" type).

B. Key lock differently for each door, 1 gross ea. key blanks for each section used.

C. Furnish three (3) keys per lock, cylinder,

D. Master key all locks and cylinder as directed and provide six (6) master keys for each group, 12 grand masters.

E. Provide a construction key system which will eliminated when permanent key is inserted, 10 construction keys.

F. Finish: as per schedule, if not illustrated shall be U.S. 26D.

G. All metal door frames to have rubber silencers.

H. In compliance with American with Disabilities Act, ADA., provide lever handles at all doors designated for the handicapped.

PART 3 EXECUTION

3.01 INSTALLATION

A. Mount hardware units at heights indicated in "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute, except as specifically indicated or required to comply with governing regulations, and except as may be otherwise directed by Architect.

Location of hardware in connection with hinged and other swing type doors and frames shall be as follows, unless directed, indicated, or specified otherwise.

1. Locks and latches: 42 inches from finished floor to center line of strike.

2. Door pulls: 42 inches from finished floor to center of grip.

3. Push plate: 42 inches from finished floor of center plate.

4. Exit device: 36 inches from finished floor to center of bar.

5. Top hinges: to manufacturer's standard, but not greater than 10 inches from head of frame to center line of hinge.

6. Bottom hinge: to manufacturer's standard, but not greater than 12.5 inches from finish floor to center line of hinge.

7. Intermediate hinge: equally spaced between top and bottom hinge.

8. Dead lock only: 38 inches from finish floor to center line of strike.

9. Dead lock's (with separate latch set and or pull): 60 inches from floor to center line of strike.

10. When wood doors are used with hollow metal frames, coordinate location of hinge preparation on frames.

B. Install each hardware item in compliance with the manufacturer's instructions and

recommendations. Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, coordinate removal, storage and reinstallation or application of surface protection with finishing work specified in the Division 9 sections. Do not install surface mounted items until finishes have been completed on the substrate.

C. Set unit level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.

D. Drill and countersink units which are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

3.02 ADJUST AND CLEAN

A. Adjust and check each operating item of hardware and each door, to ensure proper operation of function of every unit. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.

B. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy of a space or area, return to the work during the week prior to acceptance or occupancy, and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.

C. Instruct Owners Personnel in proper adjustment and maintenance of hardware and hardware finishes, during the final adjustment of hardware.

D. At completion, remove all excess materials and all debris resultant from operation of work of this section. Leave entire work in neat, clean condition satisfactory for receipt of other related items of work which are to be installed as part of work of other sections of these specifications.

3.03 HARDWARE SCHEDULE

A. Hardware Schedule: As included in drawings. “Best” keying system is required for all hardware. Verify with owner keying system.

B. Quantities, if included in the schedule, are for reference only, the final count is contractor's responsibility. The Contractor must verify floor plans and doors schedule to determine final quantities.

C. Schedule a meeting between the Owner, architect, supplier, contractor, and installer before ordering hardware and doors.

D. Verify in the field if wall stop or floor stops are to be use, and the most suitable one for each individual location.

END OF SECTION 08 71 00

SECTION 08 80 00

GLAZING

PART 1 GENERAL

1,01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section Includes:

1. Glass products.
2. Laminated glass.
3. Glazing sealants.
4. Glazing tapes.
5. Miscellaneous glazing materials.

1.03 DEFINITIONS

A. Glass Manufacturers: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.

B. Glass Thicknesses: Indicated by thickness designations in inches in accordance with ASTM C1036.

C. IBC: International Building Code.

D. Interspace: Space between lites of an insulating-glass unit.

1.04 COORDINATION

A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.

1.05 PREINSTALLATION MEETINGS

B. Preinstallation Conference: Conduct conference at Project site.

1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
2. Review temporary protection requirements for glazing during and after installation.

1.06 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Sustainable Design Submittals: As required in Section 01 81 13 Sustainable Design Requirements.

C. Glass Samples: For each type of glass product other than clear monolithic vision glass; 12 inches square.

1. Tinted glass.
2. Coated glass.
3. Laminated glass.

D. Glazing Accessory Samples: For sealants and colored spacers, in 12-inch (300-mm) lengths. Install sealant Samples between two strips of material representative in color of adjoining framing system.

E. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use the same designations indicated on Drawings.

F. Delegated-Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by qualified professional engineer responsible for their preparation.

1.07 INFORMATIONAL SUBMITTALS

G. Qualification Data: For Installer and manufacturers of fabricated glass units. Retain.

H. Product Certificates: For each type of glass specified.

I. Product Test Reports: For fabricated glass and] glazing sealants], for tests performed by a qualified testing agency.

1. For glazing sealants, provide test reports based on testing current sealant formulations within previous 36-month period.

J. Preconstruction adhesion and compatibility test report.

K. Sample Warranties: For special warranties.

1.08 QUALITY ASSURANCE

L. Assembled-Glass Manufacturer Qualifications: A qualified manufacturer of fabricated glass units who is approved and certified by primary glass manufacturer.

M. Installer Qualifications: A qualified glazing contractor for this Project who is certified under the North American Contractor Certification Program (NACC) for Architectural Glass & Metal (AG&M) contractors and who employs glazing technicians certified under the Architectural Glass and Metal Technician (AGMT) certification program.

N. Glass Testing Agency Qualifications: A qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.

O. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C1021 to conduct the testing indicated.

P. Mockups: Build mockups to demonstrate aesthetic effects and to set quality standards for materials and execution.

1. Install glazing in mockups specified in Section 08 41 13 "Aluminum-Framed Entrances and Storefronts" to match glazing systems required for Project, including glazing methods.
2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.09 PRECONSTRUCTION TESTING

Q. Preconstruction Adhesion and Compatibility Testing: Test each glass product, tape sealant, gasket, glazing accessory, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.

1. Testing is not required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
2. Use ASTM C1087 to determine whether priming and other specific joint-preparation techniques are required to obtain rapid, optimum adhesion of glazing sealants to glass, tape sealants, gaskets, and glazing channel substrates.
3. Test no fewer than 2 Samples of each type of material, including joint substrates, shims, sealant backings, secondary seals, and miscellaneous materials.
4. Schedule enough time for testing and analyzing results to prevent delaying the Work.
5. For materials failing tests, submit sealant manufacturer's written instructions for corrective measures including use of specially formulated primers.

1.10 DELIVERY, STORAGE, AND HANDLING

A. Protect glazing materials in accordance with manufacturer's written instructions. Prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.

B. Comply with insulating-glass manufacturer's written instructions for venting and sealing units to avoid hermetic seal ruptures due to altitude change.

1.11 FIELD CONDITIONS

A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.

1. Do not install glazing sealants when ambient and substrate temperature conditions are outside limits permitted by sealant manufacturer.

1.12 WARRANTY

B. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer agrees to replace coated-glass units that deteriorate within specified warranty period. Deterioration of coated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in coating.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

C. Manufacturer's Special Warranty for Laminated Glass: Manufacturer agrees to replace laminated-glass units that deteriorate within specified warranty period. Deterioration of laminated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

D. Manufacturer's Special Warranty for Heat-Soaked Tempered Glass: Manufacturer agrees to replace heat-soaked tempered glass units that spontaneously break due to nickel sulfide (NiS) inclusions at a rate exceeding 0.3 percent (3/1000) within specified warranty period. Coverage for any other cause is excluded.

1. Warranty Period: Ten (10) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Source Limitations for Glass: Obtain glass from single source from single manufacturer.

B. Source Limitations for Glazing Accessories: For each product and installation method, obtain from single source from single manufacturer.

2.02 PERFORMANCE REQUIREMENTS

A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.

B. Delegated Design: Design glass, including comprehensive engineering analysis by a qualified licensed professional engineer in Puerto Rico, according to ICC 2018 and the Puerto Rico amendments using the following design criteria:

C. Wind Design Data: 180 mph.

D. Safety Glazing: Where safety glazing is indicated, provide glazing that complies with 16 CFR 1201, Category II.

E. Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:

Basis of Design: U Value 1.2; SHGC Value 0.25.

2.03 GLASS PRODUCTS, GENERAL

A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below unless more stringent requirements are indicated. See these publications for glazing terms not otherwise defined in this Section or in referenced standards.

1. NGA Publications: "Laminated Glazing Reference Manual" and "Glazing Manual."
2. AAMA Publications: AAMA GDSG-1, "Glass Design for Sloped Glazing," and AAMA TIR A7, "Sloped Glazing Guidelines."
3. IGMA Publication for Sloped Glazing: IGMA TB-3001, "Guidelines for Sloped Glazing."

4. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."

B. Safety Glazing Labeling: Where safety glazing is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

C. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the IGCC.

D. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass that complies with performance requirements and is not less than thickness indicated.

1. Minimum Glass Thickness for Exterior Lites: 1/4".
2. Thickness of Tinted Glass: Provide same thickness for each tint color indicated throughout Project.

E. Strength: Where annealed float glass is indicated, provide annealed float glass, heat-strengthened float glass, or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where heat-strengthened float glass is indicated, provide heat-strengthened float glass or fully tempered float glass as needed to comply with "Performance Requirements" Article.. Where fully tempered float glass is indicated, provide fully tempered float glass.

2.04 GLASS PRODUCTS

A. Thickness: where glass thickness is indicated, it is a minimum. Provide glass lites in thicknesses as needed to comply with requirements indicated.

B. Strength: where float glass is indicated, provide annealed float glass, Kind HS, or Kind FT to comply with performance requirements article.

C. Windborne – debris impact resistance: provide exterior glazing that passes basic protection testing requirements in ASTM E 1996 for Wind Zone when tested according to ASTM 1886. Test specimens shall be no smaller in width and length that glazing indicated for use on the project and shall be installed in same manner as glazing indicated for use on the project.

2.05 BASIS OF DESIGN

A. Translucent Glass: U Channel Translucent Glass exterior wall, 6 MM, tempered, heat proof, energy saving, width 232 MM.

www.glassmanufacturerchina.com/products/interior-and-exterior-U-channel-glass-curtain-wall-fa-ade-manufacturer-china.html

2.06 GLAZING SEALANTS

A. General:

1. Compatibility: Compatible with one another and with other materials they contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.

3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range of industry colors.

B. Neutral-Curing Silicone Glazing Sealant, Class 100/50: Complying with ASTM C920, Type S, Grade NS, Use NT.

C. Neutral-Curing Silicone Glazing Sealant, Class 50: Complying with ASTM C920, Type S, Grade NS, Use NT.

D. Neutral-Curing Silicone Glazing Sealant, Class 25: Complying with ASTM C920, Type S, Grade NS, Use NT.

E. Acid-Curing Silicone Glazing Sealant, Class 25: Complying with ASTM C920, Type S, Grade NS, Use NT.

2.07 GLAZING TAPES

A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below:

1. AAMA 804.3 tape, where indicated.
2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.

B. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:

1. AAMA 810.1, Type 1, for glazing applications in which tape acts as primary sealant.
2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.08 MISCELLANEOUS GLAZING MATERIALS

A. General: Provide products of material, size, and shape complying with referenced glazing standard, recommended in writing by manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.

B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.

C. Setting Blocks:

1. Type recommended in writing by sealant or glass manufacturer.

D. Spacers:

1. Type recommended in writing by sealant or glass manufacturer.

E. Edge Blocks:

1. Type recommended in writing by sealant or glass manufacturer.

F. Cylindrical Glazing Sealant Backing: ASTM C1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.09 FABRICATION OF GLAZING UNITS

A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.

1. Allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components.

B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites to produce square edges with slight chamfers at junctions of edges and faces.

C. Grind smooth and polish exposed glass edges and corners.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine framing, glazing channels, and stops, with Installer present, for compliance with the following:

1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
2. Presence and functioning of weep systems.
3. Minimum required face and edge clearances.
4. Effective sealing between joints of glass-framing members.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.

B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that leave visible marks in the completed Work.

3.03 GLAZING, GENERAL

A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.

B. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass includes glass with edge damage or other imperfections that, when installed, could weaken glass, impair performance, or impair appearance.

C. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.

D. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

E. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.

F. Provide spacers for glass lites where length plus width is larger than 50 inches.

1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
2. Provide 1/8-inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.

G. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and in accordance with requirements in referenced glazing publications.

H. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.

I. Set glass lites with proper orientation so that coatings face exterior or interior as specified.

J. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.

K. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended in writing by gasket manufacturer.

3.04 TAPE GLAZING

A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.

B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.

C. Cover vertical framing joints by applying tapes to heads and sills first, then to jambs. Cover horizontal framing joints by applying tapes to jambs, then to heads and sills.

D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.

E. Do not remove release paper from tape until right before each glazing unit is installed.

F. Apply heel bead of elastomeric sealant.

G. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.

H. Apply cap bead of elastomeric sealant over exposed edge of tape.

3.05 GASKET GLAZING

A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.

B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.

C. Installation with Drive-in Wedge Gaskets: Center glass lites in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended in writing by gasket manufacturer.

D. Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended in writing by gasket manufacturer.

E. Install gaskets so they protrude past face of glazing stops.

3.06 CLEANING AND PROTECTION

A. Immediately after installation, remove non-permanent labels and clean surfaces.

B. Protect glass from contact with contaminating substances resulting from construction operations. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains.

1. If, despite such protection, contaminating substances do contact with glass, remove substances immediately as recommended in writing by glass manufacturer. Remove and replace glass that cannot be cleaned without damage to coatings.

C. Remove and replace glass that is damaged during construction period.

D. Wash glass on both exposed surfaces not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

END OF SECTION 08 80 00

Appendix G

Interior Noise Calculations

Hilton-Hampton-Homewood Hotel

San Juan, Puerto Rico

Decibel Drop Calculation

The noise levels study at the Hilton-Hampton-Homewood future site indicated that the noise levels are above the acceptance levels established by the Housing Urban Development (HUD) regulations. The HUD noise acceptance level is 65 dB(A), while the current noise level at the site was measured to be 70.3 dB(A).

The proposed project comprises a concrete building to be used as a hotel. The future hotel is surrounded to the east by State Road PR-1 and to the west by Fernández Juncos Avenue. Each of the faces of the building envelope facing the existing roads will be constructed of concrete with glass windows.

Each material can absorb noise. Noise reduction coefficient, or NRC, is a rating used to measure how effective a material is at absorbing sound. Materials with coefficients of 0.50 and higher are generally classified as "sound absorbing," while those with coefficients at or below 0.20 are "sound reflecting". In our case, concrete has an NRC of 0.97 and glass 0.95.

Using the NRC, the decibel drop through the material can be calculated using the formula:

Equation 1 => $d = -20\log_{10}(1-C)$; where:

d => Decibel drop (dB)

C => Noise Reduction Coefficient

For the building wall facing State Road PR-1:

First, we calculate the average NRC based on the area occupied by each material, in this case, concrete and glass.

The concrete Area is 21,000 square feet or 76.36%, and the glass area is 7,500 square feet (23.24%).

Equation 2 => Average NRC = Concrete NRC * Concrete Percent Area + Glass NRC * Glass Percent Area

Average NRC = 0.97*0.7636 + 0.95*0.2324

Average NRC = 0.9614

Using Equation 1 to calculate the decibel drop (d):

$d = -20*\log_{10}(1-0.9614) = 28.26$ dB

This means that the wall with windows facing State Road PR-1 will drop the current noise level to 42.03 dB, which is less than the HUD noise acceptance level.

For the building wall facing Fernández Juncos Avenue, the concrete Area is 20,222 square feet or 72.74%, and the glass area is 7,578 square feet (27.26%), so the average NRC is 0.9645.

Using Equation 1 to calculate the decibel drop (d):

$d = -20*\log_{10} (1-0.9645) = 29.00$ dB

This means that the wall with windows facing Fernández Juncos will drop the current noise levels to 41.30 dB, less than the HUD noise acceptance level.

In conclusion, although the sound level outside the building is above the HUD acceptance level, the exterior walls and windows will cause a drop in the sound level of up to 29 dB, which will maintain the noise level inside the building below 65 dB.