

Environmental Assessment for HUD-funded Proposals

*Recommended format per 24 CFR 58.36, revised March 2005
[Previously recommended EA formats are obsolete].*



Project Identification: Casa Metropolitana II
PR-21, KM 2.9, LOT B,
Monacillos Ward, San Juan, Puerto Rico

Preparer: Mauricio Velez, P.E.
PRABA, LLC

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

Month/Year: December/2021

Environmental Assessment

Responsible Entity: Puerto Rico Department of Housing (PRDOH)
[24 CFR 58.2(a)(7)]

Certifying Officer: Sally Z. Acevedo Cosme
[24 CFR 58.2(a)(2)] Pedro de Leon Rodriguez
Maria A. Torres Bregon
Ivelisse Lorenzo Torres
Angel Gabriel Lopez Guzman

Project Name: Casa Metropolitana II

Project Location: PR-21, KM 2.9, LOT B,
Monacillos Ward, San Juan, Puerto Rico
Lambert Coordinates X= 189160, Y= 61850

Estimated Total Project Cost: \$38,061,779

CDBG-DR: \$26,443,973
Other Sources: \$11,617,806

Grant Recipient: Puerto Rico Housing Finance Authority
[24 CFR 58.2(a)(5)]

Recipient Address: 606 Barbosa Avenue,
San Juan, PR 00918

Project Representative: Mr. Luis G Montanez
Ms. Carmen Y. Cordero

Telephone Number: (787)781-2171
(787)546-5349

Conditions for Approval: [24 CFR 58.40(d), 40 CFR 1505.2(c)] (List all mitigation measures adopted by the responsible entity to eliminate or minimize adverse environmental impacts. These conditions must be included in project contracts and other relevant documents as requirements).

The conditions for approval and mitigation measures to be adopted through the construction of the project are specified in the supporting documents attached to this report:

1. Permits

- a. Ensure non-expired permits prior to construction commencement. These include:
 - i. Construction Permit
 - ii. General Consolidated Permit
 - iii. General Permit- National Pollutant Discharge Elimination System (NPDES) in compliance with EPA
 - iv. Incidental Permit
 - v. AEE Endorsed Plan Set, Letter and Project Evaluation and Point of Connection Approval
 - vi. AAA Endorsed Plan Set, Letter and Project Evaluation and Point of Connection Approval
 - vii. DTOP Regulatory Permit
 - viii. ICP Endorsements
 - ix. State Historic Preservation Office
 - x. Non Flood Certification
 - xi. Certificate of Consistency by the State Coastal Management Program
 - xii. If the cutting of trees is necessary, a tree cutting, pruning, transplanting, and planting authorization (ACP) in accordance with chapter 47 cutting, pruning and afforestation of the joint regulation of permits for construction works and land use must be applied for and obtained.
 - xiii. If a Laundry is installed, corresponding permits for compliance with Rules 108 (Installation of Control Equipment) and 4040 (Fugitive Emissions) of the Regulation Number 5300 of August 28, 1995 must be obtained.
 - xiv. Consult EPA for management of storm water to confirm if a PODES permit is necessary.
 - xv. The trucks transporting the waste during construction must possess the Permit to Operate Services of Recollection or Transportation of Non-Dangerous Solid Waste (DS Permit, JCA).

2. Compliance Measures

- a. Storage, management and disposition of waste materials must be executed in compliance with the “Reglamento para el Manejo de los Desperdicios Sólidos No peligrosos de la JCA”.
- b. Confirm all transport of dredged material and/or used waters is executed with authorization from the “Area de Control de Contaminación de Terrenos de la JCA”.

- c. Compliance with noise ordinance as established in the “Reglamento para el Control de la Contaminación por Ruido de la Junta de Calidad Ambiental”.
 - d. Present to the JCA an emergency plan in compliance with the “Reglamento de Estándares de Calidad de Agua (RECA)” in order to prevent and/or control diesel spills.
 - e. Implement and comply with a:
 - i. CES Plan
 - ii. Storm Water Pollution Prevention Plan (SWPPP)
 - iii. Recycling Plan & Quarterly Recycling Report of the Generated Materials during the Construction Work Phase (if the Municipality is responsible for this work, Compromise Evidence from the Municipality must be submitted).
 - iv. Drawings with the localization of the recycling area inside the Project must be submitted.
 - f. Compliance with Green Permit pre-qualification requirements as a measure to obtain Green Certification.
 - g. Compliance with ADS rules and regulations.
 - h. Project must follow the recommendations of the Soil Study for the project.
 - i. Project must comply with the Regulations for the Control and Prevention of Luminic Contamination.
 - j. A reforestation program using native species, which, in addition to helping to minimize erosion, benefits wildlife, must be established.
3. Construction
- a. Contractor must detain any and all construction work if archaeological deposits and/or elements of historical value are encountered during any phase of the construction. Contractor must inform the ICPR and Contracting Officer within 24 hours of the finding.
 - b. Contractor must detain any and all construction work If any above and/or below ground water sources are encountered during the construction effort and shall notify DRNA immediately upon such findings.
 - c. Contractor must follow Hydraulic-Hydrologic Report recommendations.

Breakdown of Fund Sources

Tax Credit Capital	Permanent Loan	Other Sources	CDBG-DR	Total Cost
\$11,617,806	\$0	\$0	\$26,443,973	\$38,061,779

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1. Acronym and Abbreviations

Acronym	Meaning
SHPO	State Historic Preservation Office
FEMA	Federal Emergency Management Agency
EPA	Environmental Protection Agency
JCA	Puerto Rico Environmental Quality Board (Junta de Calidad Ambiental)
CBRS	Coastal Barrier Resource System
CDBG-DR	Community Development Block Grant- Disaster Recovery
CES Plan	Erosion Control and Sediment Containment Plan (Plan para el Control de la erosión y prevención de la sedimentación)
DRNA	Department of Natural Resources (Departamento de Recursos Naturales)
LBP	Lead Based Paints
AEE	Puerto Rico Electric Power Authority (Autoridad de Energía Eléctrica)
AAA	Puerto Rico Water and Sewage Authority (Autoridad de Acueductos y Alcantarillados)
ACM	Asbestos Containing Materials
ICPR	Institute of Puertorican Culture (Instituto de Cultura Puertorriqueña)
EA	Environmental Assessment (Evaluación Ambiental)
PRDOH	Puerto Rico Department of Housing (Departamento de la Vivienda)
SSA	Sole Source Aquifers
USFWS	United States Fish and Wildlife Service
ADS	Solid Waste Authority (Autoridad de Desperdicios Sólidos)

2. Project Description

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

The proposed project is one that promotes an affordable, resistant and resilient housing project, and social enhancement. In addition, this project represents a complement to the efforts of the state and local government, to provide families affected by Hurricanes Irma and María, and the recent earthquakes with a decent and affordable housing alternative, plus services for a better quality of life.

b. Description of the Proposal: Include all contemplated actions which logically are either geographically or functionally a composite part of the project, regardless of the source of funding. [24 CFR 58.32, 40 CFR 1508.25]

Casa Metropolitana II will consist of an 8-story apartments' building (2 underground parking levels, and 6 levels of housing units and facilities) comprised of 80 units each with two-bedrooms. The building, its units, the facilities and common areas will all be designed in strict compliance with the federal, state and local laws, rules, regulations, requirements and ordinances, including but not limited to, the standards of The American with Disabilities Act (ADA), the Uniform Federal Accessibility Standards (UFAS), as well as, the Federal Housing Act (FHA), and Section 504 of the Rehabilitation Act of 1973, as amended. A minimum of 12% of the units will be adapted for the physically impaired, and an additional 3% of the units are designed for the hearing and visual impaired. Due to the configuration of all the units at the Project are the same, any unit can be adapted in case that the demand exceeds the Fair Housing Act requirements.

The project characteristics and amenities will include a perimeter fence, controlled gate/access, total of 62 parking spaces, green planting areas and passive areas. The Project will also include a power generator with 100% capacity, and solar panels. Furthermore, the Project has two escape stairs, mechanical rooms and two laundry areas, surveillance security cameras, and security windows. It will be equipped with elevators, sprinkler system, water pump system, fire protection hoses, controlled access gate, and security intercom system.

The interior finishes of the units will be ceramic tile floors, aluminum folding closet doors, wood kitchen cabinets, counter tops and accessories, and plumbing and electric fixtures. Each unit will have a private balcony. In addition, the units will be equipped with energy star appliances - stove range and refrigerator, kitchen and bathroom exhaust fans, smoke detectors, fire extinguishers, in-line water heater, and water conservation bathroom equipment, and bathroom accessories.

The site has an entrance to an active urban community, providing direct access vehicular, pedestrian and collective transportation means. The site is surrounded

by private houses, a mechanical shop and medical offices, low-income housing, and major state road and is conveniently located across major public transportation (San Francisco Urban Train Station, and Metropolitan Bus Main Station), near hospitals (VA Medical Center, Centro Medico and Hospital Metropolitano), churches and commercial areas (San Francisco Shopping Center). The site is within the 500 meters radius of the Urban Train Station. Such radius has been declared as a strategic planning development area by the Department of Transportation and Public works of Puerto Rico.

The Project is highlighted for being resilient and for the inclusion of green building features. The Project will opt for a certification under the National Green Building Standard ICC-700.

c. Existing Conditions and Trends: Describe the existing conditions of the project area and its surroundings, and trends likely to continue in the absence of the project. [24 CFR 58.40(a)]

The site's development is part of a master plan development, whereas Casa Metropolitana was the first affordable housing constructed in 2013. The site area has available utilities typical of urban neighborhoods such as water distribution, electric power distribution and telephone and cable services to support its intended use at typical connection costs, redounding as a positive economic impact on the Project's development costs.

3. Findings: [58.40(g)]

X

Finding of No Significant Impact

(The project will not result in a significant impact on the quality of the human environment)

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Finding of Significant Impact

(The project may significantly affect the quality of the human environment)

Preparer Signature:



Date:

February 4, 2022

Name/Title/Agency:

Mauricio Velez, P.E.
PRABA, LLC

RE Approving Official Signature:



Date:

Feb. 24, 2022

Name/Title/Agency:

Puerto Rico Department of Housing (PRDOH)

4. Statutory Checklist [24CFR §58.5]

Record the determinations made regarding each listed statute, executive order or regulation. Provide appropriate source documentation. Note reviews or consultations completed as well as any applicable permits or approvals obtained or required. Note dates of contact or page references. Provide compliance or consistency documentation. Attach additional material as appropriate. Note conditions, attenuation or mitigation measures required.

Factors	Determination and Compliance Documentation
Historic Preservation [36 CFR 800]	<p>No historic properties affected within the project's area of potential effects, according to the December 10, 2020 letter by the State Historic Preservation Office (SHPO).</p> <p>The Historical Building Heritage Program and the Archeology and Ethnohistory Program of the Institute of Puerto Rican Culture (ICPR) issued a determination of no objection to the proposed project.</p> <p>See: Exhibit A – SHPO Determination Exhibit B – ICPR Letter</p>
Floodplain Management [24 CFR 55, Executive Order 11988]	<p>As per FEMA Emergency Flood Map No. 72000C0365J, 53.8% of the subject site falls within a "Zone X" classification, which is defined as "areas determined to be outside the 0.2% annual chance floodplain" and 46.2% is located within a "Zone AE" classification, which indicates areas at high risk for flooding and provides the base flood elevations (BFEs) for them. However, the proposed structure is located in Zone X, a non-flood zone and outside the flood levels of the FEMA regulatory maps.</p> <p>The design of the special distribution of the installations have been designed according to the mitigation's recommendations in the referenced Hydraulic-Hydrologic Study</p> <p>All Municipalities of Puerto Rico participate in the National Flood Insurance Program and are currently in good standing with the agency.</p> <p>See: Exhibit C – Environmental Site Assessment Phase I Exhibit D – FIRM (Flood Insurance Rate Map) Exhibit E – Hydrologic & Hydraulic Study Exhibit F – Non-Flood Certification</p>
Wetlands Protection [Executive Order 11990]	<p>No evidence of wetlands was noted on the subject property. The subject property is outside of any wetland delimitation area according to U.S. Fish and Wildlife Service, National Wetlands Inventory Map. A copy of the National Wetland Inventory for the subject property vicinity issued by the U.S. Fish and Wildlife Service is included in this report. Furthermore, a permit won't be required as per Section 404 of the Clean Water Act as the project will not require the discharge of dredged or fill material into wetlands.</p> <p>See: Exhibit G – National Wetlands Inventory Map Exhibit C – Environmental Site Assessment Phase I</p>

Coastal Zone Management Act [Sections 307(c), (d)]	<p>Puerto Rico's coastal zone generally extends 1,000 meters (one kilometer) inland. The municipality of San Juan is bordered on the north by the Atlantic Ocean, on the south by the municipality of Caguas on the east by the municipalities of Carolina and Trujillo Alto, and to the west by the municipality of Guaynabo. Because of its location on the coast, the municipality is part of the northern coastal plain region. The project site is located approximately 3 miles South of the Northern Coast of Puerto Rico which pertains to the Atlantic Ocean. There are no anticipated adverse effects due to the project's development. The proposed site is outside the limits of a Coastal Zone.</p> <p>See: Exhibit H – USFWS Coastal Barrier Resources System Map Exhibit C – Environmental Site Assessment Phase I</p>
Sole Source Aquifers [40 CFR 149]	<p>Puerto Rico is included in a sole-source aquifer region designated as Region II of the USA EPA. The project is not connected to a direct potable water line which provides water from a designated sole-source aquifer nor is it located within a sole source aquifer watershed. This was confirmed with the EPA Sole Source Aquifers Map.</p> <p>See: Exhibit I – Sole Source Aquifer Map of Puerto Rico Exhibit C – Environmental Site Assessment Phase I</p>
Endangered Species Act [50 CFR 402]	<p>No federally listed, proposed species, or designated critical habitat are known to exist within the project impact area, according to the letter stamped by the U.S. Fish & Wildlife Services on October 31, 2019. No further consultation pursuant Section 7 of Endangered Species Act of 1973, as amended is needed.</p> <p>See: Exhibit J– USFWS Technical Assistance Letter Exhibit C – Environmental Site Assessment Phase I</p>
Wild and Scenic Rivers Act [Sections 7(b), (c)]	<p>Puerto Rico has approximately 5,385 river miles. Only 8.9 miles of three rivers are designated as wild & scenic. There are no surrounding rivers that qualify as wild and scenic rivers. The portions of these rivers that qualify under the are located more than 20 miles east from the project site. They are not in harm's way from this project.</p> <p>See: Exhibit C – Environmental Site Assessment Phase I Exhibit K - Wild & Scenic Rivers Map</p>
Air Quality [Clean Air Act, Sections 176(c) and (d), and 40 CFR 6, 51, 93]	<p>The Municipality of San Juan is currently listed as a nonattainment and maintenance area for Sulphur Dioxide (2010).</p> <p>The contractor must implement mitigation measures that include but are not limited to, a CES Plan to be developed and maintained throughout the duration of the construction. A General Consolidated Permit from the “Junta de Calidad Ambiental” is required.</p>

	<p>See: Nonattainment Areas for Criteria Pollutants (Green Book) US EPA Exhibit C – Environmental Site Assessment Phase I Exhibit L - JCA (Junta de Calidad Ambiental) Letter, July 12, 2010</p>
Farmland Protection Policy Act [7 CFR 658]	<p>The proposed use is in harmony with the surrounding developments area and does not impact agricultural projects. The project land lies within a mixed use and populated urban area in the Monacillos Ward. The site's soils are not designated as 'Prime' for agricultural purposes and is not considered an agricultural land.</p> <p>See: Exhibit M – Site Aerial Images – Farmland Protection Act</p>
Environmental Justice [Executive Order 12898]	<p>The proposed development is meant to serve the pressing need for affordable housing in San Juan's low-income elderly and homeless veterans.</p> <p>There are no environmental issues that would adversely impact the future residents.</p> <p>The Municipality of San Juan expressed their complete support in the Municipality's Endorsement Letter.</p> <p>See: Exhibit N – Municipal Endorsement Letter Exhibit C – Environmental Site Assessment Phase I</p>

**HUD Environmental
Standards**

Determination and Compliance Documentation

Noise Abatement and Control [24 CFR 51 B]	<p>The HUD noise acceptability criterion of 65 dB for exterior of the “Centro Metropolitano de Servicios Comunitarios, Inc” was met and no further restrictions or controls are applicable to this project.</p> <p>See: Exhibit O – Noise Study</p>
Toxic/Hazardous/Radioactive Materials, Contamination, Chemicals or Gases [24 CFR 58.5(i)(2)]	<p>The Phase I Environmental Site Assessment revealed no evidence of recognized environmental conditions in connection with the property.</p> <p>Due to the fact that no Recognized Environmental Conditions were identified during this assessment, there is no need to conduct any further study or testing in the subject property, unless there is a change of the current operations as describes herein. No Data Gap was identified while conducting the research for this Environmental Site Assessment that could have a significant impact in the findings described herein. Except for the limitations and exceptions discussed in Section 2.3, this Phase I ESA complies with the ASTM Standard 1527-13</p> <p>See: Exhibit C – Environmental Site Assessment Phase I</p>
Siting of HUD-Assisted Projects near Hazardous Operations [24 CFR 51 C]	<p>An Industrial Site is located within 1/8 mile of the project, as referenced in the Undesirable Activities Map. There are no ASTs within 1 mile radius of the project site that could impact the site.</p> <p>See: Exhibit P – Undesirable Activities Map Exhibit Q – ALTA/NSPS Land Title Survey Exhibit C – Environmental Site Assessment Phase I</p>
Airport Clear Zones and Accident Potential Zones [24 CFR 51 D]	<p>The project site is located approximately 6 miles away from the Luis Munoz Marin International Airport, which is also a joint civil-military airport, and 5 miles away from the Isla Grande Airport.</p> <p>The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport.</p> <p>See: Exhibit R – Site Aerial Imagery (Google Maps) Exhibit P – Undesirable Activities Map</p>

5. Environmental Assessment Checklist

[Environmental Review Guide HUD CPD 782, 24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27]

Evaluate the significance of the effects of the proposal on the character, features and resources of the project area. Enter relevant base data and verifiable source documentation to support the finding. Then enter the appropriate impact code from the following list to make a determination of impact. Impact Codes: (1) - No impact anticipated; (2) - Potentially beneficial; (3) - Potentially adverse; (4) - Requires mitigation; (5) - Requires project modification. Note names, dates of contact, telephone numbers and page references. Attach additional material as appropriate. Note conditions or mitigation measures required.

Land Development	Code	Source or Documentation
Conformance with Comprehensive Plans and Zoning	2	<p>This zoning permits the intended use of the property. There is no need for any changes or variances to the site/project. The Municipality of San Juan has endorsed the low-income housing development and the site has been vetted by the Junta de Planificación (Planning Board of PR).</p> <p>The proposed project is one that promotes an affordable, resistant and resilient housing project, and social enhancement. In addition, this project represents a complement to the efforts of the state and local government, to provide families affected by Hurricanes Irma and María, and the recent earthquakes with a decent and affordable housing alternative, plus services for a better quality of life.</p> <p>Further, the Owner does not foresee any environmental, land use, or community concerns, that may delay or negatively impact the development or operation of the Project.</p>
Compatibility and Urban Impact	2	<p>The project lies within an urban mixed residential, light industrial and commercial structures which have adequate and immediate road access.</p> <p>The site's development is part of a master plan development, whereas, Casa Metropolitana was the first affordable housing constructed in 2013. The site area has available utilities typical of urban neighborhoods such as water distribution, electric power distribution and telephone and cable services to support its intended use at typical connection costs, redounding as a positive economic impact on the Project's development costs.</p>
Slope	1	<p>The project site possesses a flat slope. Minor cuts and backfill may be necessary to reach final construction grades. However, these earthworks do not seem to be major and are not expected to create any adverse effect on the project site or vicinities</p>
Erosion	1	<p>During development of the project, a potential for erosion exists. However, the contractor through strict compliance with a CES Plan, will mitigate the possibilities of erosion during the construction process.</p> <p>There is no anticipated adverse effect on erosion expected</p>

		as a result of the development of this new project.
Soil Suitability	1	This zoning permits the intended use of the property. However, the contractor must comply with all recommendations presented in the geotechnical report.
Hazards and Nuisances including Site Safety	1	<p>The project does not present any construction logistic difficulties to the contractor. However, the contractor could experience safety, hazard, or nuisances typical to construction projects. Nevertheless, the contractor must provide a safe environment, on and off-site, throughout the construction process. This includes compliance with all safety and environmental measures established by, but not limited to, OSHA, EPA, USFWS and the Environmental Quality Board (JCA).</p> <p>The Phase I Environmental Study determined that the probability of the Site being contaminated is very low.</p>
Energy Consumption	2	<p>The design has been pre-qualified by the local permits office as a Green Building.</p> <p>In the absence of energy consumption reduction measures, the demand for electricity generated by the project would not require a major expansion of power facilities nor would it have any anticipated adverse effects.</p> <p>The project has been endorsed by the AEE.</p>

Noise - Contribution to Community Noise Levels	1	<p>The HUD noise acceptability criterion of 65 dB for exterior of Casa Metropolitana II was met. No further restrictions or controls are applicable to this project.</p> <p>The construction noise must be mitigated utilizing standard procedures and measures as requested by Puerto Rico's environmental quality board and required in the 'Reglamento para el Control de la Contaminación por Ruido'.</p>
Air Quality Effects of Ambient Air Quality on Project and Contribution to Community Pollution Levels	1	<p>The contractor must implement mitigation measures that include but are not limited to, a CES Plan to be developed and maintained throughout the duration of the construction.</p> <p>A General Consolidated Permit from the "Junta de Calidad Ambiental" is required. This permit is to be expected prior to the start of construction start.</p>
Environmental Design Visual Quality - Coherence, Diversity, Compatible Use and Scale	2	<p>The Project will be designed and built to achieve high performance in six key areas: Site Design, Resource Efficiency, Water Efficiency, Energy Efficiency, Indoor Environmental Quality, and Building Operation & Maintenance under the rigorous requirements of the ICC-700 National Green Building Standard™ (NGBS).</p> <ul style="list-style-type: none"> • Incorporates state and municipal initiatives.

		<ul style="list-style-type: none"> • Promotes the Projects proposed works by leveraging public and private resources. • Promotes neighborhood and family stabilization. • Stimulates affordable, safe and decent rental housing. • Integrates innovative housing construction methods, new materials and feasible energy efficient technologies in the Project construction. <p>The surrounding environment of the proposed project serves the residential, commercial and institutional needs of the Municipality of San Juan. The architecture of the surrounding environment varies in scale and aesthetics. It is in compliance with the requirements of the Municipality's plan for the area.</p>
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Socioeconomic	Code	Source or Documentation
Demographic Character Changes	2	The project will be built within a mixed-use sector of San Juan. Additional housing will contribute to the Municipality's ongoing effort to attend the demand for affordable housing as well as to attract and maintain a steady population in this district.
Displacement	2	There will be neither displacement nor adverse socioeconomic effects to the site or area.
Employment and Income Patterns	2	The project will require administrative staff and maintenance personnel, indicating the creation of new jobs. In addition, the new tenants will add to the market for the neighboring commercial facilities. Hence, potentially improving regional commerce. Also, during construction, the project will generate direct and indirect jobs.

Community Facilities and Services	Code	Source or Documentation
Educational Facilities	2	The project is surrounded by various public and private schools including the Interamerican University of PR.
Commercial Facilities	2	There are numerous small, mid-scale and large-scale mixed-use Commercial and industrial facilities throughout the urban district of San Juan, which will benefit from the new potential client base.
Health Care	2	Pharmacies, hospitals, clinics, medical offices, and CDTs are found within a 3-mile radius of the site.
Social Services	2	The project intends to fulfill the current demand for affordable housing for low-income families in San Juan. Qualified participants will receive the financial support for suitable housing within a planned community. The effort conforms to the best interest of the Municipality and its population.

Solid Waste	2	<p>Existing solid waste removal services are available to the existing surrounding commerce, neighborhood, and residential complexes.</p> <p>Recycling will be implemented and enforced as per standards set by the Solid Waste Authority (Autoridad de Desperdicios Sólidos' - ADS). A recycling plan must be submitted by the contractor to the ADS.</p> <p>During Construction, the proponent needs to comply with the laws and regulations related to the management and disposal of solid waste and recyclable materials:</p> <ol style="list-style-type: none"> 1. Ley Núm. 70, de 18 de septiembre de 1992, Ley para la Reducción y Reciclaje de los Desperdicios Sólidos. 2. Reglamento para la Reducción, Reutilización y Reciclaje de Desperdicios Sólidos (Reglamento Núm. 6825 de 15 de junio de 2004). 3. Reglamento Conjunto de Permisos para Obras de Construcción y Usos de Terrenos (Reglamento Conjunto) de 29 de noviembre de 2010.
Waste Water	1	<p>The project will be served by the existing aqueduct infrastructure provided by the local water and sewer service entity, Autoridad de Acueductos y Alcantarillados (AAA).</p> <p>The project has been endorsed by the AAA and the Municipality.</p>
Storm Water	4	<p>The project site is undeveloped. Development will increase the peak runoff discharge from the project site. Part of the project site is located in a floodable zone. Mitigation is needed and will be implemented as per the Hydraulic-Hydrologic study.</p>
Water Supply	1	<p>The project will be served by the existing aqueduct infrastructure provided by the local water and sewer service entity, Autoridad de Acueductos y Alcantarillados (AAA).</p> <p>The project has been endorsed by the AAA and the Municipality.</p>
Public Safety - Police	1	<p>A Police Station is located less than one mile away from the project.</p>
- Fire	1	<p>A Fire Station is located less than two miles away from the project.</p> <p>The project has been endorsed by the local Fire Department.</p>
- Emergency Medical	1	<p>Medical offices, offices and clinics are found within a 1-mile radius of the site.</p>
Open Space and Recreation	2	<p>The San Juan Municipality is densely populated and is by far the most developed area in Puerto Rico and hosts the island's manufacturing, financial, cultural, and tourism center.</p>

		The project will be located close to public transportation, religious services, plazas, theaters, restaurants, stores, events, sports complexes and attractions. However, the project will have open spaces.
Transportation	1	This area is served by a free Municipal Trolley that connects to the bus stops of Metropolitan Bus Authority (AMA), Puerto Rico's public transportation in the metropolitan area.

Natural Features

Source or Documentation

Water Resources	1	All potable water supply services will be provided by the local water and sewer service entity, Autoridad de Acueductos y Alcantarillados (AAA).
Surface Water	4	Part of the project site is located in a floodable zone. Mitigation is needed and will be implemented as per the Hydraulic-Hydrologic study.
Unique Natural Features and Agricultural Lands	1	The proposed use is in harmony with the surrounding developments area and does not impact agricultural projects. The project land lies within a mixed use and populated urban area in San Juan.
Vegetation and Wildlife	1	The site is within a densely populated urban landscape. There are no anticipated adverse effects on vegetation and/or wildlife.

Other Factors

Source or Documentation

Flood Disaster Protection Act [Flood Insurance] [§58.6(a)]	4	<p>The proposed structure is located in a Zone X, a non-flood zone and outside the flood levels of the FEMA regulatory maps.</p> <p>As per FEMA Emergency Flood Map No. 72000C0365J, 53.8% of the subject site falls within a "Zone X" classification, which is defined as "areas determined to be outside the 0.2% annual chance floodplain" and 46.2% is located within a "Zone AE" classification, which indicates areas at high risk for flooding and provides the base flood elevations (BFEs) for them.</p>
Coastal Barrier Resources Act/ Coastal Barrier Improvement Act [§58.6(c)]	1	<p>There are no anticipated adverse effects due to the project's development. The proposed site is not within the Coastal Barrier Resources System according to U.S. Fish and Wildlife Service/ Coastal Barrier Resources System Mapper Documentation.</p> <p>See: Exhibit H – USFWS Coastal Barrier Resources System Map</p>
Airport Runway Clear Zone or Clear Zone Disclosure	1	The project site is not within a Clear Zone. The project site

[§58.6(d)]		<p>is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport.</p> <p>See: Exhibit R – Site Aerial Imagery (Google Maps)</p>
Other Factors		

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

1. National Parks Services
 - a. <https://www.nps.gov/subjects/nmlandmarks/index.htm>
2. FEMA Flood Map Service Center
 - a. <https://msc.fema.gov/portal/home>
3. The National Flood Insurance Program Community Status Book
 - a. <https://www.fema.gov/cis/PR.html>
4. Junta de Planificación de Puerto Rico
5. National Wetlands Inventory
 - a. <https://www.fws.gov/wetlands/data/mapper.html>
6. Puerto Rico Coastal Zone Management Program
 - a. <http://drna.pr.gov/historico/oficinas/arn/recursosvivos/costasreservasrefugios/pmzc/pmzc/pmzc2009/PMZCPR%20ingles%202009%20final.pdf>
7. Office for Coastal Zone Management
 - a. <https://coast.noaa.gov/czm/mystate/#puertorico>
8. United States Environmental Protection Agency
 - a. <https://www.epa.gov/dwssa>
 - b. <https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b>
 - c. <https://www3.epa.gov/airquality/greenbook/tnca.html>
 - d. https://www3.epa.gov/airquality/greenbook/anayo_pr.html
9. National Wildlife Refuge System
 - a. <https://www.fws.gov/refuges/>
 - b. <https://www.fws.gov/refuges/refugeLocatorMaps/PuertoRico.html>
 - c. https://www.fws.gov/refuges/maps/NWRS_National_Map.pdf
10. USA National Wild and Scenic Rivers
 - a. www.rivers.gov
11. Federal Aviation Administration
 - a. https://www.faa.gov/airports/planning_capacity/npias/reports/media/NPIAS-Report 2019-2023-Appendix-B.pdf
12. Google Earth
 - a. <https://earth.google.com>
13. Google Maps
 - a. <https://maps.google.com>
14. USFWS Coastal Barrier Resources System
 - a. <https://www.fws.gov/cbra>
15. Department of the Army- US Corps of Engineers

7. Summary of Findings and Conclusions

a. Alternatives to the Proposed Action [24 CFR 58.40(e), Ref. 40 CFR 1508.9]

(Identify other reasonable courses of action that were considered and not selected, such as other sites, design modifications, or other uses of the subject site. Describe the benefits and adverse impacts to the human environment of each alternative and the reasons for rejecting it.)

The Municipality is interested in residential developments for affordable housing within its urban limits. Given the character of the community within which it lies, the available infrastructure, access to principal roads and highways, and its readily accessible location, the site is perfectly suitable for the intended use.

Alternatives:

1. Building fewer units would mean a reduction in the number of apartments available for affordable housing. Noise, air pollution, pollution, traffic, demand for water and electricity would be decreased proportionally. However, this is not necessarily attractive given that a reduced density would be inconsistent with the municipality's interest in providing a solution for the high demand for affordable housing.

b. No Action Alternative [24 CFR 58.40(e)]

(Discuss the benefits and adverse impacts to the human environment of not implementing the preferred alternative).

In the absence of the development, current economic trends suggest that the site would continue to be without any potential use in the near future. This option would ignore the need for affordable housing to low-income households that the Municipality and local population desperately need.

8. Mitigation Measures Recommended [24 CFR 58.40(d), 40 CFR 1508.20]

(Recommend feasible ways in which the proposal or its external factors should be modified in order to minimize adverse environmental impacts and restore or enhance environmental quality.)

The conditions for approval and mitigation measures to be adopted through the construction of the project are specified in the supporting documents attached to this report:

1. Permits

- a. Ensure non-expired permits prior to construction commencement. These include:
 - i. Construction Permit
 - ii. General Consolidated Permit
 - iii. General Permit- National Pollutant Discharge Elimination System (NPDES) in compliance with EPA
 - iv. Incidental Permit
 - v. AEE Endorsed Plan Set, Letter and Project Evaluation and Point of Connection Approval
 - vi. AAA Endorsed Plan Set, Letter and Project Evaluation and Point of Connection Approval
 - vii. DTOP Regulatory Permit
 - viii. ICP Endorsements
 - ix. State Historic Preservation Office
 - x. Non Flood Certification
 - xi. Certificate of Consistency by the State Coastal Management Program
 - xii. If the cutting of trees is necessary, a tree cutting, pruning, transplanting, and planting authorization (ACP) in accordance with chapter 47 cutting, pruning and afforestation of the joint regulation of permits for construction works and land use must be applied for and obtained.
 - xiii. If a Laundry is installed, corresponding permits for compliance with Rules 108 (Installation of Control Equipment) and 4040 (Fugitive Emissions) of the Regulation Number 5300 of August 28, 1995 must be obtained.
 - xiv. Consult EPA for management of storm water to confirm if a PODES permit is necessary.
 - xv. The trucks transporting the waste during construction must possess the Permit to Operate Services of Recollection or Transportation of Non-Dangerous Solid Waste (DS Permit, JCA).

2. Compliance Measures

- a. Storage, management and disposition of waste materials must be executed in compliance with the “Reglamento para el Manejo de los Desperdicios Sólidos No peligrosos de la JCA”.
- b. Confirm all transport of dredged material and/or used waters is executed with authorization from the “Area de Control de Contaminación de Terrenos de la JCA”.

- c. Compliance with noise ordinance as established in the “Reglamento para el Control de la Contaminación por Ruido de la Junta de Calidad Ambiental”.
 - d. Present to the JCA an emergency plan in compliance with the “Reglamento de Estándares de Calidad de Agua (RECA)” in order to prevent and/or control diesel spills.
 - e. Implement and comply with a:
 - i. CES Plan
 - ii. Storm Water Pollution Prevention Plan (SWPPP)
 - iii. Recycling Plan & Quarterly Recycling Report of the Generated Materials during the Construction Work Phase (if the Municipality is responsible for this work, Compromise Evidence from the Municipality must be submitted).
 - iv. Drawings with the localization of the recycling area inside the Project must be submitted.
 - f. Compliance with Green Permit pre-qualification requirements as a measure to obtain Green Certification.
 - g. Compliance with ADS rules and regulations.
 - h. Project must follow the recommendations of the Soil Study for the project.
 - i. Project must comply with the Regulations for the Control and Prevention of Luminic Contamination.
 - j. A reforestation program using native species, which, in addition to helping to minimize erosion, benefits wildlife, must be established.
3. Construction
- a. Contractor must follow the Hydraulic-Hydrologic Study mitigation recommendations.
 - b. Contractor must detain any and all construction work if archaeological deposits and/or elements of historical value are encountered during any phase of the construction. Contractor must inform the ICPR and Contracting Officer within 24 hours of the finding.
 - c. Contractor must detain any and all construction work If any above and/or below ground water sources are encountered during the construction effort and shall notify DRNA immediately upon such findings.

Exhibit A



GOBIERNO DE PUERTO RICO
Oficina Estatal de Conservación Histórica

Thursday, December 10, 2020

Lauren B. Poche, M.A.

Architectural Historian, Historic Preservation Manager
Horne
10000 Perkins Rowe Suite 610 Bldg. G
Baton Rouge, LA 70810

SHPO: 10-05-20-03 CASA METROPOLITANA 2, PR-21, KM 2.9, LOT B,
MONACILLOS WARD, SAN JUAN, PUERTO RICO

Dear Ms. Poche,

Our Office 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* from the Advisory Council on Historic Preservation. 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 of **no historic properties affected** within the project's area of potential effects.

Please note that should the Agency discover other historic properties at any point during project implementation, you should notify the SHPO immediately. If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio-Cancela
State Historic Preservation Officer

CARC/GMO/MC



Exhibit B



29 de octubre de 2019

NOTIFICACIÓN DE AUTORIZACIÓN

Ing. Gabriel Hernández Rodríguez
Sistema Integrado de Permisos
PO Box 41118
San Juan, PR 00940

**CASA METROPOLITANA II
PR-21, KM 2.9, LOTE B
BO. MONACILLOS, SAN JUAN
CASO OGPE #2019-282960-SRA-028918**

Estimado ingeniero Hernández:

El Programa de Arqueología y Etnohistoria del Instituto de Cultura Puertorriqueña evaluó los documentos relacionados al proyecto de referencia, recibidos a través de la División de Arqueología y Conservación Histórica de la Oficina de Gerencia de Permisos (OGPe).

La evaluación realizada sugiere que, basado en los datos existentes al presente, las probabilidades de impactar un recurso arqueológico, según definido por la Ley 112 del 20 de julio de 1988, según enmendada, son mínimas.

Por lo tanto, en lo concerniente a recursos culturales de naturaleza arqueológica, **no tenemos objeción** al proyecto según fue radicado y evaluado.

Le notificamos que esta autorización es parcial y el proponente queda sujeto a las responsabilidades y obligaciones que impone la Ley 112 del 20 de julio de 1988, según enmendada. Esta establece que, **se deberá paralizar todo tipo de actividad de excavación, movimiento y remoción de la corteza terrestre, y notificar en un plazo de veinticuatro (24) horas al Programa de Arqueología y Etnohistoria, en caso de que, durante el desarrollo del proyecto, se descubra o impacte algún depósito, elemento, estructura o vestigio de naturaleza arqueológica.**

Se le apercibe que el incumplimiento de estos requerimientos será objeto de sanciones administrativas según lo establecido en las citadas leyes.

Esta autorización tiene **vigencia de (1) año.**

Cordialmente,

Dr. Carlos Pérez Merced
Director Interino
Programa de Arqueología y Etnohistoria

CPM/GOE/mgb





GOBIERNO DE PUERTO RICO

Instituto de Cultura Puertorriqueña

30 DE OCTUBRE DE 2019

Ing. Gabriel Hernández Rodríguez

Secretario Auxiliar

DEPARTAMENTO DE DESARROLLO ECONÓMICO Y COMERCIO

Oficina de Gerencia de Permisos

PO Box 41179

San Juan, Puerto Rico 00940-1179

NO OBJECCIÓN

CASO OGPE:	2019-282960-SRA-028918
DESCRIPCIÓN:	CASA METROPOLITANA II
MUNICIPIO:	SAN JUAN
UBICACIÓN:	PR 21 KM 2.9 BARRIO MONACILLOS
CATASTRO:	086-047-057-93
PROPIETARIO:	IGLESIA CRISTIANA DISCÍPULOS DE CRISTO EN PUERTO RICO INC
PROPONENTE:	HOPE METROPOLITAN COMMUNITY

Estimados señores:

El Instituto de Cultura Puertorriqueña (ICP), por medio de su Programa de Patrimonio Histórico Edificado (ICP-PHE), 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*.
3. El **Reglamento Conjunto para la Evaluación y Expedición de Permisos Relacionados al Desarrollo, Uso de Terrenos y Operación de Negocios**, Reglamento 38 de la Junta de Planificación ("Reglamento Conjunto") con vigencia del 7 de junio de 2019, en todos los incisos aplicables a zonas y sitios históricos, en especial el Tomo X (10), "Conservación de Recursos Históricos" – incluyendo, en las zonas históricas, edificios elegibles, no elegibles, solares vacíos y espacios públicos.
4. Las zonificaciones S-H, antes CR-H o SH, cubiertas por el Tomo VI, Capítulo 6.1 "Áreas Calificadas", Regla 6.1.21 del Reglamento Conjunto.
5. Las disposiciones del Tomo X, Capítulo 10.2 "Conservación de Sitios y Zonas Históricas", Sección 10.2.5.4 y Reglas 10.2.7 y 10.2.8 del Reglamento Conjunto, las que establecen, para los Centros



Fundacionales de los Pueblos, así como para las Plazas, Plazuelas y Plazas de Recreo, las reglas de protección del Patrimonio Histórico.

6. La disposición del Tomo X, Capítulo 10.2 “Conservación de Sitios y Zonas Históricas”, Sección 10.2.2.4, “Obras Exentas de Permisos”, del Reglamento Conjunto la que establece el requerimiento de la Recomendación del ICP en las reparaciones y construcciones misceláneas de carácter menor, incluyendo aplicación de pintura y la limpieza rutinaria o de mantenimiento de la edificación que no conlleve el uso de maquinaria, químicos o abrasivos y no afecte la integridad de la misma, en los centros fundacionales, sitios y zonas Históricas de Puerto Rico.
7. La Resolución JPE-25 Primera Extensión de 10 de febrero de 2000, la cual requiere evaluación del ICP para consultas y usos a darse a edificios públicos construidos anteriores a 1960.
8. 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/Single Business Portal (SUI/SBP), 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.

9. Petición a solicitud voluntaria de un propietario o derechohabiente de una propiedad.

De acuerdo a nuestros expedientes y la información provista:

1. La propiedad es una no elegible en Monacillos, San Juan.
2. Se propone un desarrollo multifamiliar con ochenta apartamentos.
3. El Proyecto propuesto no implica impacto adverso a recursos culturales pertenecientes al patrimonio histórico construido.

Por lo tanto, se emite una determinación de **NO OBJECIÓN AL PROYECTO PROPUESTO**.

Esta evaluación no incluye los elementos a evaluarse conforme a la Ley 112 del 12 de agosto de 1988, Ley de Patrimonio Arqueológico Terrestre, lo cual debe hacerse mediante solicitud separada al Programa de Arqueología y Etnohistoria del ICP. Las evaluaciones de ambos programas son necesarias para concluir el proceso con esta agencia.

Este documento tiene vigencia de un año a partir de su emisión.

Sin otro particular, quedo.


Mildred González Valentín, M.Arch.
Subdirectora
Programa Patrimonio Histórico Edificado

MGV/ejc
Cc: Expediente caso PPHE, ICP



Exhibit C

PREPARED FOR:

PR HOUSING
FINANCE AUTHORITY
SAN JUAN, PR.

PREPARED BY:

CTS GROUP, INC.
SAN JUAN, PR.



ESA PHASE I
ASTM E1527-13

SITE: COMMERCIAL LOT WITH PARKING FACILITY
PR-21 KM 2.9
MONACILLOS WARD
SAN JUAN, PUERTO RICO.

PROJECT ID: CMP-10-021
SUPPORT: INFO@CTSGROUPPR.COM

OCTOBER 25, 2021

Background and Disclaimer: The purpose of an environmental site assessment is to identify actual or potential “recognized environmental conditions” that may result in liability or land use restrictions. The ASTM 1527-13 Environmental Site Assessment is the minimum standard for environmental due diligence in the commercial real estate industry and currently meet the standard for All Appropriate Inquiry under the Small Business Liability Relief and Brownfield’s redevelopment Act of 2002. A diligent effort in accordance with generally accepted good commercial and customary standards and practice was undertaken to identify the “recognize environmental conditions” that might affect the redevelopment project. However, the identification of old hazardous waste sites is an evolving process; therefore, CTS Group, Inc. cannot state with absolute certainty that no other potentially hazardous waste sites are located in the area.

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1.0 EXECUTIVE SUMMARY

Mr. Luis G. Montanez acting as an authorized representative of HOPE Metropolitan Community, LLC. engaged CTS Group Inc. to conduct a Phase I Environmental Site Assessments (ESA) at an improved commercial lot located at Road PR-21 Km 2.9, Monacillos Ward, San Juan, Puerto Rico. This property will be subsequently referred to in this report as “the subject property”. This assessment was prepared in accordance with the American Society of Testing Materials (ASTM) Standard Practice for Phase I Environmental Site Assessments Process (ASTM Designation E1527-13).

The purpose of the Phase I was to evaluate environmental concerns or issues with respect to the range of contaminants within the scope of the Comprehensive Environmental Response and Liability Act (CERCLA) and petroleum products that may be associated with the Subject Property, based upon readily available information and site observations. In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a property, the goal of the processes established by this practice is to identify “*Recognized Environmental Conditions (REC)*”.

A REC means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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. The term is not intended to include *de minimis* conditions that generally do not present a threat to the human health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The use of land in Puerto Rico is regulated by the Master Zoning Plan of the Puerto Rico Planning Board. According to the Puerto Rico Planning Board webpage, the subject property falls within a DS (Public Service) zoning district. A complete zoning compliance assessment is beyond the scope of this Environmental Site Assessment. As per FEMA Emergency Flood Map No. 72000C0365J, 53.8% of the subject site falls within a “Zone X” classification, which is defined as “areas determined to be outside the 0.2% annual chance floodplain” and 46.2% is located within a “Zone AE” classification, which indicates areas at high risk for flooding and provides the base flood elevations (BFEs) for them. The environmental professional, however, is not qualified to determine the flooding conditions of the subject site. The Subject Site is assumed to be free of adverse floodable conditions that might affect its intended development, and no liability or responsibility is assumed in this respect. Further

analysis of the flood insurance or flood certification is beyond the scope of this Environmental Assessment.

The Municipality of San Juan was contacted in order to obtain information in connection with the subject property. During a phone conversation and while being interviewed Mr. Carlos Acevedo director of the Office for Emergency Management indicated that there is not information in record connecting the subject and adjoining properties with any incident or violation that would result in the presence of a Recognized Environmental Condition. Mr. Raul Garcia director of the Public Works Department was also interviewed; and based on his statement, there is not record in the public Works Department connecting the Subject Property with any environmentally related incident or violation that will result in a risk for the human health and/or the presence of contaminants at the subject property. After reviewing the available documentation in the U.S. EPA and the PR Environmental Quality Board's Underground Storage Tank Program in connection with the subject property, no information was found that would affect the professional opinion issued in this report. The PR EQB was contacted in order to obtain information regarding any environmentally related incident or violation in connection with the commercial operations of the subject property and the rest of the business in the subject's immediate vicinity. As of the completion of this report, CTS Group, Inc. has not yet received a response to our inquiry from the PR EQB requesting information. Responses from agencies not yet received will be forwarded to the client upon receipt with any applicable recommendations. After reviewing the available documentation with the PR Environmental Quality Board's Underground Storage Tank Program in connection with the subject property, no information was found that would affect the professional opinion issued in this report.

The inspection of the subject property surrounding yield the following results:

- There is no evidence of oily films on standing water.
- There is no evidence of discolored and oil stained floors.
- There is no evidence of discarded chemical containers.
- There is no evidence of waste pipes, buried waste.
- There is no evidence of distressed vegetation.
- There is no presence of unusual odors.
- There is no evidence of a LUST Facility at the subject property
- There is no evidence of a LUST Facility at any of the adjoining properties.

The results of this assessment have revealed no Recognized Environmental Conditions associated with the Subject Property.

The results of this assessment have revealed no Controlled Recognized Environmental Conditions associated with the Subject Property.

The results of this assessment have revealed no Historical Recognized Environmental Condition associated with the Subject Property.

The results of this assessment have revealed no *De Minimis Condition* associated with the Subject Property.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of a commercial lot located at Road PR-21 Km 2.9, Monacillos Ward, San Juan, Puerto Rico, the property. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. Any exception to, or deletions from, this practice are described in Section 13.0 of this report. The Findings, Opinions, and Conclusion sections of this report are based on sections 12.5, 12.6, and 12.8 of ASTM E 1527-13, respectively.

It is our professional opinion that due to the fact that no Recognized Environmental Conditions were identified during this assessment, there is no need to conduct any further study or testing in the subject property, unless there is a change of the current operations as describes herein. No Data Gap was identified while conducting the research for this Environmental Site Assessment that could have a significant impact in the findings described herein. Except for the limitations and exceptions discussed in Section 2.3, this Phase I ESA complies with the ASTM Standard 1527-13.

2.0 INTRODUCTION

CTS Group, Inc. conducted a Phase I Environmental Site Assessment of a commercial property located at Road PR-21 Km 2.9, Monacillos Ward, San Juan, Puerto Rico. The subject property consists of a 2,323.5693 square meters site improved with an asphalted parking lot for 40 vehicles in average condition and other improvements. The subject property is located on the Monacillos Ward facing the PR-21. This is an important road of the neighborhood which connects with the Las Americas Expressway (PR-18) to the east and the Martinez Nadal Avenue (PR-20) to the west. Frontage is on its northern boundary with the PR-21 in about 71 meters, considered adequate for in and out access. It also bounds on its southern boundary with a small street which also connects with the PR-21. Access in and out of the area is considered adequate. This Phase I ESA is being conducted as required by the Puerto Rico Housing Finance Authority to comply with the federal and state requirements of a guaranteed commercial banking transaction in the Commonwealth of Puerto Rico.

2.1 Purpose

The purpose of this practice is to define good commercial and customary practice in the United States of America for conducting an *environmental site assessment* of a parcel of *commercial real estate* with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and *petroleum products*. As such, this practice is intended to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser* limitations on CERCLA liability (hereinafter, the “*landowner liability protections*,” or “*LLPs*”): that is, the practice that constitutes *all appropriate inquiries* into the previous ownership and uses of the *property* consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)1(B). Controlled substances are not included within the scope of this standard.

2.2 Detailed scope of Services

CTS Group, Inc. was engaged by Mr. Luis G. Montanez acting as an authorized representative of HOPE Metropolitan Community, LLC to conduct an ESA Phase I to conform to ASTM 1527-13. HOPE Metropolitan Community, LLC. and its representative understand that it is the professional obligation of CTS Group, Inc. to report the findings from the assessment being conducted.

The scope of services for this project included a visual reconnaissance of the site and neighboring properties; review of readily available Federal, state, and local regulatory

records; examination when available of historic information and evaluation of current and past operations and activities on-site. Matrix reviewed/utilized historic aerial photographs, Sanborn Fire Insurance Maps, historic topographic maps and city directories as part of the Phase I ESA. Additionally, a regulatory database search was conducted by CTS Group, Inc. for information available in governmental databases.

The Phase I ESA also included an initial Vapor Encroachment Screening (VES) to determine if a Vapor Encroachment Condition (VEC) is identified for the Target Property TP (that is, the presence or likely presence of Chemicals of Concern (COC) vapors in the subsurface of the TP caused by the release of vapors from contaminated soil and/or groundwater either on or near the TP as identified by the Tier 1 procedure of ASTM E2600-15. As required by the ASTM 1527-13 standard, a Phase I ESA consists of four components which are being described below:

Records Review

Review of property deeds, titles, and any other pertinent legal record. Review of available records, including permitting, topographic maps, geological maps, aerial pictures and historical records. The database of the U.S. Environmental Protection Agency and the Puerto Rico Environmental Quality Board were reviewed to determine if any regulated facilities were located at the subject property or in its vicinity.

Site Reconnaissance

A site reconnaissance of the subject property and adjoining properties will be conducted to identify if there is the presence of any Recognized Environmental Condition.

Interviews

CTS Group, Inc. will perform a series of interviews with present and past owners of the subject property, neighbors and owners of adjoining property, and local and state government officials.

Preparation of final Report

This Final Report will reveal the Environmental Professional evaluation of findings after conducting a ASTM 1527-13 Phase I ESA at the subject property.

2.3 Significant Assumptions

CTS Group, Inc. assumes that the reports, documents and general and specific information provided by the client, government agencies and the people interviewed

while conducting this study are complete and reliable. No other significant assumptions have been made while performing this Phase I ESA.

2.4 Limitations and Exceptions

The purpose of an environmental site assessment is to identify actual or potential “recognized environmental conditions” that may result in liability or land use restrictions. The ASTM 1527-13 Environmental Site Assessment is the minimum standard for environmental due diligence in the commercial real estate industry and currently meet the standard for All Appropriate Inquiry under the Small Business Liability Relief and Brownfield’s redevelopment Act of 2002. A diligent effort in accordance with generally accepted good commercial and customary standards and practice was undertaken to identify the “recognized environmental conditions” that might affect the redevelopment project. However, the identification of old hazardous waste sites is an evolving process; therefore, CTS Group, Inc. cannot state with absolute certainty that no other potentially hazardous waste sites are located in the area. This assessment reflects the normal degree of care and skill that is ordinarily exercised by environmental professionals conducting business in this or similar localities. In no event, shall CTS Group, Inc., or its employees be liable for any damages, injury, loss, cost, or expenses whatsoever arising in connection with the use or reliance on the information contained in this report, except as otherwise provided by law. As part of this assessment, CTS Group, Inc. submitted requests for information via the Freedom of Information Act (FOIA) and Office of Public Records Act (OPRA) to various governmental agencies. As of the preparation of this report, these requests may not have been fulfilled. The conclusions of this report are subject to change upon receipt of a response from these FOIA and OPRA requests.

Where access to portions of the subject property or to structures on the site was unavailable or limited, CTS Group, Inc. renders no opinion as to the presence of direct or indirect evidence relating to petroleum substances, hazardous substances or both in that portion of the site or structure. In addition, CTS Group, Inc. renders no opinion as to the presence of indirect evidence related to hazardous material or oil where direct observation of the ground surface, interior walls, floors, ceilings, or a structure is obstructed by objects or materials, including snow, covering on or over these surfaces.

The information in this report is based on the review of available historical documents, governmental databases, deed records, aerial photographs, governmental environmental files, conducted interviews with past/present owners and neighbors, and a site reconnaissance of the area by the environmental professional. The result of this assessment, as written in this report, is valid as of the date of report. The assessment

does not include sampling of soil, rock, groundwater, surface water, or air. Mold, indoor air quality, asbestos, and lead-based paint surveys are excluded from the scope of this report.

2.5 *Special Terms and Conditions*

The Phase I ESA was conducted in conformance with the scope and limitations of ASTM designation E 1527-13 standard practice. There are no special terms or conditions to the content of the report that are in addition to the scope outlined in Section 2.2.

Authorization to perform this assessment was given by HOPE Metropolitan Community, LLC. Instructions as to the location of the subject property, access, and an explanation of the subject property and facilities to be assessed were provided by Mrs. Suhail Gomez.

The following is a list of terminology that is used throughout this report and therefore should be defined:

Actual Knowledge: The knowledge actually possessed by an individual who is a real person, rather than an entity.

Adjoining Properties: Any real property or properties the border of which is contiguous or partially contiguous with that of the subject property, or that would be contiguous or partially contiguous with that of the subject property but for a street, road, or another public thoroughfare separating them.

All Appropriate Inquiry: That inquiry constituting "all appropriate inquiry into previous ownership and uses of the subject property consistent with good commercial or customary practice", as defined in CERCLA, 42 U.S.C 9607 (b)(3), 9607 (q); and 9607 (r), assuming compliance with other elements of the defense.

Activity and Use Limitation (AUL): Legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

Area of Concern (AOC) (defined by the Approximate Minimum Search Distance): Records to be reviewed pertain to the *TP* and to properties within the *AOC* (that is,

within the *approximate minimum search distance*). The *AOC* is one third of a mile around the *TP*.

Business Environmental Risk: A risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in the E 1527-13 practice. Considerations of business environmental risk may involve addressing one or more non-scope considerations.

Chemical(s) of Concern (COC): Chemical that is present in the subsurface environment and can potentially migrate as a vapor into the sub-surface of the *TP*.

Controlled Recognized Environmental Condition: A REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a NFA letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls).

Data Failure: A failure to achieve the historical research objectives of ASTM 1527-13 even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

Data Gap: A lack of or inability to obtain information required by ASTM 1527-13 despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by the ASTM 1527-13, including, but not limited to, site reconnaissance (for example, an inability to conduct the subject property visit) and interviews (for example, an inability to interview the key subject property manager, regulatory officials, etc.).

De minimis condition: A condition 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. Conditions determined to be de-minimis conditions are neither, recognized environmental conditions nor controlled recognized environmental conditions.

Due Diligence: The process of inquiring into the environmental characteristics of a parcel of commercial real estate or other conditions, usually in connection with a property transaction.

Environmental Professional: A person meeting the education, training and experience requirements, as set forth in the ASTM E 1527-13 practice.

Hazardous Substance: A substance defined as a hazardous substance pursuant to CERCLA 42 USC 9601(14), as interpreted by USEPA regulations and the courts.

Historical Recognized Environmental Condition: A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls). Before calling the past release and HREC, the EP must determine whether the past release is a REC at the time the Phase I ESA is conducted (e.g., if there has been a change in the regulatory criteria). If the EP considers this past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

Migrate/ Migration: Refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface.

Obvious: That which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the subject property.

Occupants: Those tenants, subtenants, or other persons or entities using the subject property or a portion of the subject property.

Owner: Generally, the fee owner of record of the subject property.

Practically Reviewable: Information that is practically reviewable means that the information is provided by the source in a manner and in a form, that, upon examination, yields information relevant to the subject property without the need for extraordinary analysis of irrelevant data.

Reasonable Ascertainable: Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints, and (3) practically reviewable.

Recognized Environmental Conditions: The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any 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.

Subject Property: The real estate property that is the subject of this ESA.

Target Property (TP): Property involved in the real estate transaction that is the subject of the VES defined by this guide.

User: The party seeking to use Practice E 1527-13 to perform an environmental site assessment of the subject property.

Vapor Encroachment Condition (VEC): Presence or likely presence of COC vapors in the subsurface of the TP caused by the release of vapors from contaminated soil or groundwater or both either on or near the TP as identified by the VES.

2.6 User Reliance

While conducting a Phase I – Environmental Site Assessments, as recommended by ASTM E-1527-13, an environmental professional is not required to verify independently the information provided but may rely on information provided unless he or she has actual knowledge that certain information is incorrect or unless it is obvious that certain information is incorrect based on other information obtained in the Phase I Environmental Site Assessment or otherwise actually known to the environmental professional.

This Phase I ESA was conducted solely for the purpose of providing information to the client. The findings, opinions, conclusions and other information provided in this report may be released to third parties. However, third parties shall have no right to rely on any information contained in this report, and CTS Group, Inc. shall have no liability to third parties in any manner whatsoever.

3.0 USER INFORMATION

3.1 Location and Legal Description

The subject property is located at Road PR-21 Km 2.9, Monacillos Ward, San Juan, Puerto Rico. The general site location is in the metropolitan area of the island. The subject property legal description reads as follows from its original Spanish translation.

RUSTICA: Predio de terreno identificado en el plano como Parcela F-2, situada en el Barrio Monacillos del término municipal de Río Piedras, con una cabida superficial de 10,329.2593 metros cuadrados, equivalentes a 2.628 cuerdas. Colindando por el Norte, con la Carretera Estatal conocida como PR-21; por el Sur, con el Lote D segregado y con el Residencial Público San Fernando; por el Este, con la intersección de la Carretera PR-21 y la Avenida José de Diego; y por el Oeste, con los Lotes C y D segregados.

Es el Remanente de esta finca luego de deducidas las segregaciones de:

- 1.- LOT C de 2118.7491 metros cuadrados equivalentes a 0.5391 cuerda, finca No.27226 inscrita al folio 48 del tomo 944 de Monacillos
- 2.- LOT D de 1076.6618 metros cuadrados equivalentes a 0.2739 cuerda, finca No.27227 inscrita al folio 53 del tomo 944 de Monacillos

Según la Escritura No.141 otorgada en San Juan el 3 de junio de 2010 ante Gilberto Oliver Vázquez, inscrita al folio 93 del tomo 923 de Monacillos, finca No.27047, inscripción 5ta.

3.2 Owner Information

Based on the provided information the subject property's owner of record is Iglesia Cristiana Discipulos de Cristo en Puerto Rico Inc.

3.3 Title and Judicial Records

A Title Survey performed by Professional Title Services on August 5th, 2019 on parcel No. 27047 registered in page 93 of volume 923 of the Office of Property Registry of Puerto Rico- Section III of San Juan indicates that the subject property owner of records is Iglesia Cristiana Discipulos de Cristo en Puerto Rico Inc.

3.4 Environmental Liens or Activity and Use Limitations.

The “client/user” reports no Environmental Liens or Activity and Use Limitations that are known on the subject property.

3.5 Specialized Knowledge or Experience of the User

The “client/user” reports no specialized knowledge with regards to the subject property not already discussed in this ESA report.

3.6 Actual Knowledge of the User

The “client/user” reports no actual knowledge with regards to the subject property not already discussed in this ESA report.

3.7 Reasons for Significantly Lower Purchase Price.

This assessment has yielded no significant environmental issues or contamination concerns that may Significantly reduce the fair market value of the property was reported. None are suspected by CTS Group Inc.

3.8 *Commonly Known or Reasonably Ascertainable Information.*

The client does not know of any specific chemicals that are present or once were present at the subject property.

The client does not know of any spills or other chemical releases that have taken place at the subject property.

The client does not know of any environmental cleanups that have taken place at the subject property.

In general, the client is not aware of any commonly known or reasonably ascertainable information that can be used to identify a recognized environmental condition in connection with the subject property.

3.9 *Reason for performing Phase I*

The objective of performing this Phase I Environmental Site Assessment at the subject property is to identify any recognized environmental condition in connection with the present and past operations of the subject property and the neighboring business. The scope of this practice includes research and reporting requirements that support the user's ability to qualify for the LLPs. As such, sufficient documentation of all sources, records, and resources utilized in conducting the inquiry required by this practice is provided in this report.

4.0 RECORDS SEARCH REVIEWS

4.1 Standard Environmental Records Sources

Superfund CERCLIS List

Information from EPA Superfund CERCLIS List was reviewed on October 24, 2021 and included in Appendix II. Two (2) facilities were identified under the specified search criteria. None of the listed facilities represent a risk of human exposure to contamination and/or migration of contaminated groundwater from or to the property. Neither the subject property nor any of the adjoining properties are on this list. Refer to Appendix I.

Enforcement and Compliance History (ECHO)

Information from ECHO was reviewed on October 24, 2021 and included in Appendix II. Twenty-One (21) facilities were identified in the Enforcement and Compliance History Online Database under the specified search criteria. None of the listed facilities represent a risk of human exposure to contamination and/or migration of contaminated

groundwater from or to the property. Neither the subject property nor any of the adjoining properties are on this list.

EPA National Priority List (NPL)

Information from EPA NPL list was retrieved and reviewed on October 24, 2021. The results are included in Appendix III. The Proposed, Deleted and Final National Priority Lists were reviewed. No facilities were listed in the Municipality of San Juan within the specified search area.

EPA Toxic Release Inventory (TRI)

Information from the EPA Toxic Release Inventory (TRI) facilities information system was reviewed on October 12, 2021. One (1) facilities was identified under the specified search criteria. None of the listed facilities represent a risk of human exposure to contamination and migration of contaminated ground water from or to the Subject Property. Neither the subject property nor any of the adjoining properties are on this list. Neither the subject property nor any of the adjoining properties are on this list. Refer to Appendix IV.

Resource Conservation and Recovery (RCRA)

Information from the EPA RCRA database was reviewed on October 24, 202. Eight (8) facilities were identified in the municipality of San Juan under the specified search criteria. None of the listed facilities represent a risk of human exposure to contamination and migration of contaminated ground water from or to the Subject Property. Neither the subject property nor any of the adjoining properties are on this list. No RCRA CORRACTS facilities were identified. Refer to Appendix V

EPA List of Brownfield Grant Information

Information was obtained by using EPA data information system on October 24, 202. Two (2) facilities were identified under the provided search criteria. None of the listed facilities represent a risk of human exposure to contamination and migration of contaminated ground water from or to the Subject Property. Neither the subject property nor any of the adjoining properties are on this list. Refer to Appendix VI.

EPA Safe Drinking Water Information System (SDWIS)

Information from the EPA Safe Drinking Water Information System Database was reviewed on October 24, 2021. Three (3) facilities were identified under the specified search area. None of the listed facilities represent a risk of human exposure to

contamination and migration of contaminated ground water from or to the Subject Property. Refer to Appendix VII.

4.2 Regulatory Agency File and Records Review

Neither the subject property nor any of the adjoining properties were identified with a past or current violation on one or more of the standard environmental record sources. Therefore, regulatory files and/or records associated with the above-mentioned listing do not need to be reviewed.

4.3 Additional Environmental Records Sources

Department of Natural Resources and Environment (DRNA) & US Geological Survey (USGS)

According to the DRNA and the USGS, there are no public supply wells or agricultural wells within the subject property or any of the adjoining properties. Based on the information obtained from the USGS Groundwater Monitoring Network there are Three (4) active monitoring wells in the Municipality of San Juan. Refer to Appendix VIII.

EQB List of Registered Petroleum Storage Tanks

Information was obtained by using Environmental Quality Board data information system. A list with all the Registered UST and LUST listed in the Municipality of San Juan is provided in Appendix VI. No facility of interest was identified in this list. None of the listed facilities is believed to represent a threat to the property and/or the human health. Neither the subject property nor any of the adjoining properties are on this list. Refer to Appendix IX.

4.4 Physical Setting Source

Physical Setting Sources were obtained from the USGS, US Department of Agriculture, and visits to the subject property and its vicinity.

General Geography

The subject property is located in the Municipality of San Juan which is part of the Bayamón-Loíza region. The Bayamón-Loíza region covers about 280 mi² in the eastern North Coast area. It is bounded to the north by the Atlantic Ocean, to the west and south by the drainage basin divide of the Río de Bayamón, and to the east and south by the drainage basin divide of the lower Río Grande de Loíza (below Lago Loíza). Included in the Bayamón-Loíza region are the Río Bayamón, Río Piedras, and lower

Río Grande de Loíza drainage basins (fig. 2.1.4.A-1). The San Juan metropolitan area is not only the principal population center of the Bayamón-Loíza region, but also of all Puerto Rico. The northern section of the Bayamón-Loíza region consists of a coastal plain composed of deposits of sand, silt, clay, and sand muck overlying limestone formations, which form the principal aquifer. The elevation of the land surface in the coastal plain ranges from mean sea level to about 100 feet above mean sea level. An almost continuous strip of swamps and lagoons lies near the coast. The principal coastal lagoons are Laguna San José, Laguna La Torrecilla, and Laguna de Piñones. The southern part of the region is comprised mostly of the foothills of the inner uplands, which range in elevation from about 100 to 1,300 feet above mean sea level. The principal streams flowing through the region are the Río Bayamón and Río Piedras which flow north, and the Río Grande de Loíza which flows northeast. The Río Bayamón has its headwaters in the mountainous interior of the island and flows across a wide alluvial valley surrounded by swamp deposits near the coast. The Río Piedras, a relatively short river that has its headwaters in the foothills, flows across a wide alluvial plain and discharges into Bahía de San Juan. The Río Grande de Loíza, with headwaters in the interior of the island (section 2.5), is the primary source of water filling Lago Loíza (the principal water-supply reservoir for the San Juan metropolitan area), on its course to the Atlantic Ocean.

General Topography

The highest peaks include San Patricio at 262 feet, Hatillo at approximately 443 feet, and Magueyes at 591 feet above sea level. San Juan hydrographic system is comprised of the Puerto Nuevo and Piedras rivers. The Puerto Nuevo river flows into San Juan harbor and receives waters from the Piedras River, Muerto stream, and Margarita channel. The Piedras River rises in Caimito ward and travels from south to north, finally emptying into the Puerto Nuevo River. Its tributaries include the Buena Vista, Las Curias, Doña Ana, Los Guanós, and Guaracanal brooks. Other streams include Carraízo, Frailes, Juan, and San Antón. Las Curias Dam is located in Cupey ward. The San Juan coast includes, from east to west, Las Marias, Piedrita, Escambrón, El Morro, and La Puntilla promontories. The Piedras islet is located near Las Marias promontory and the San Jorge promontory is located near the Escambrón promontory. Guachinga islet is located on the San José lagoon. A Custom Soil Resource Report was issued by the U.S. Department of Agriculture and included in Appendix IX.

General Site and Vicinity Hydrogeology

Two principal water-bearing units are present in the Bayamón-Loíza region: an upper water-table aquifer comprised of sedimentary rocks of Tertiary age and surficial

deposits of Quaternary age; and a lower confined aquifer comprised mainly of sedimentary rocks of Tertiary age. The two units are separated by the upper member of the Cibao Formation, which acts as a confining unit. The upper aquifer occurs in the uppermost rocks overlying the upper member of the Cibao Formation, the Aguada and Aymamón Limestones, and alluvial deposits.

The Aguada and Aymamón Limestones are eroded and covered with alluvial deposits, and the upper part of the Cibao Formation becomes thinner near San Juan. As a consequence, the available freshwater in the upper aquifer around San Juan largely resides in surficial deposits. For the most part, according to Rodríguez-Martínez (1991, p. 12), the upper aquifer is absent in the San Juan metropolitan area, and where present, is thin and contains brackish water. The thickness of the upper aquifer is limited by the location of the saline-freshwater interface and the top of the Cibao Formation.

4.5 Historical Use of the Property

Based on the information provided, the subject property refers to a commercial lot of land improved with a 40 spaces parking lot supporting the operations of the adjoining property operating under the commercial name of Casa Metropolitana. Aerial photos regarding the subject were reviewed, and the information collected by interviewing the subject property owner and subject property neighbors indicates that the subject property has no other commercial activity on record. From the interview of local government officials, we learned that it is possible that in the 1970s the property was used for agricultural purposes.

4.6 Use of Properties in Surrounding Area

The neighborhood of the subject property functionally interrelates almost few types of commercial, light industrial and residential uses. The neighborhood enjoys public utilities and services such as potable water from public lines, electricity and telephone; no sanitary sewer is available. Other services such as public protection, firefighting, road repairs, garbage collection, and postal services are served by E.L.A.'s Municipal or Federal Agencies.

4.7 Standard Historical Sources

Aerial Photographs

Aerial photographs were obtained using the Google Professional Server. The images taken from an aerial platform had sufficient resolution to allow identification of development and activities of areas encompassing the subject property. The reviewed material included images from the past 25 years. Based on the available aerial

photographs, the commercial activities in the subject property vicinity has not experienced significant changes over the past two decades with the exception of the development of the subject property.

Fire Insurance Maps

No fire insurance map was reviewed as part of this investigation.

Property Tax Files

No property tax files were made available to the environmental professional.

Recorded Land Title Records

No Land Title Records were reviewed by the Environmental Professional as part of this Environmental Site Assessment.

USGS Topographic Maps

The USGS Topographic Map of the subject property vicinity was reviewed. Other than the commercial use listed under sections 4.5 and 4.6, no additional commercial used was identified in connection with the subject property or any of the adjoining properties.

Local Street Directories

Local street directories were reviewed as part of this assessment in order to identify any prior commercial use of the subject property and the adjoining properties. Industrial and manufacturing activities were identified in the subject property vicinity. The review of the local street directories does not reveal the existence of any commercial activity that would suggest the storage of chemical substances and the use of insecticides and any other agricultural related chemicals.

Building Department Records

No building department records were reviewed as part of this assessment.

Zoning/Land Use Records

The use of land in Puerto Rico is regulated by the Master Zoning Plan of the Puerto Rico Planning Board. According to the Puerto Rico Planning Board webpage, the subject property falls within a DS (Public Service) zoning district. A complete zoning compliance assessment is beyond the scope of this Environmental Site Assessment.

Other Historical Sources

No other historical sources were reviewed as part of this assessment.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The subject property surroundings were visually inspected on October 12, 2021 by EP Ihosvany Negret. The methodology used for the site reconnaissance of the subject property consisted of visually inspecting the subject property surrounding areas. The purpose of this visit was to identify potential recognized environmental conditions and/or any potential source of environmental impairment. There were not physical obstructions such as adjacent buildings, bodies of water, asphalt, or other paved areas, and any other physical constraints (for example, flooding, snow, rain).

5.2 General Site Setting

All areas of the subject property were accessible at the time of the inspection. There were no visual or physical obstructions of the subject property. During the inspection, an interior and exterior walk-through of the subject property was performed. The exteriors of adjoining properties were visually evaluated to identify any Recognized Environmental Condition.

General Description of Structures and Facilities

The subject property refers to a commercial lot of land of approximately 9,300 sq. ft. improved with an asphalted parking lot with a capacity of 40 vehicles, fences, gates, and electrical transformer and illumination poles.

Utilities

The Puerto Rico Electrical Power Authority (PREPA) provides electrical power to the subject's immediate neighborhood. The Puerto Rico Aqueducts and Sewers Authority (PRASA) provide potable water, to the area, and the Puerto Rico Telephone Company provides telephone services. There are no other utilities available at the subject property. The subject property vicinity has the typical and necessary government services available, including fire and police protection provided by the Commonwealth government, street cleaning provided by the municipal government, and postal service provided by the federal government.

Floods

As per FEMA Emergency Flood Map No. 72000C0365J, 53.8% of the subject site falls

within a “Zone X” classification, which is defined as “areas determined to be outside the 0.2% annual chance floodplain” and 46.2% is located within a “Zone AE” classification, which indicates areas at high risk for flooding and provides the base flood elevations (BFEs) for them. The environmental professional, however, is not qualified to determine the flooding conditions of the subject site. The Subject Site is assumed to be free of adverse floodable conditions that might affect its intended development, and no liability or responsibility is assumed in this respect. Further analysis of the flood insurance or flood certification is beyond the scope of this Environmental Assessment.

Landfill, Dumping, Disturbed Soil

There are not landfills, Dumping, or disturbed soil at the subject property or adjoining properties. The soil is not disturbed and it does not show water accumulation in the presence of precipitation.

5.3 Current Use(s) of the Property

The subject property refers to a commercial lot of land of approximately 9,300 square feet improved with an asphalted parking lot with a capacity of 40 vehicles.

5.4 Past Use(s) of the Property

Based on the information provided, the subject property refers to a commercial lot of land improved with a 40 spaces parking lot supporting the operations of the adjoining property operating under the commercial name of Casa Metropolitana. Aerial photos regarding the subject were reviewed, and the information collected by interviewing the subject property owner and subject property neighbors indicates that the subject property has no other commercial activity on record. From the interview of local government officials, we learned that it is possible that in the 1970s the property was used for agricultural purposes.

5.5 Current Uses of Adjoining Properties

On the North and located across road PR-21, the subject property is adjoined by a commercial property operating as a parking lot supporting the operations of the Veteran Affairs Caribbean Health System aka Hospital de Veteranos.

On the South, the property shares boundary with a privately-owned vacant lot of land.

On the East and located across road PR-21, the subject property is adjoined by a commercial property operating as a parking lot supporting the operations of the Veteran Affairs Caribbean Health System aka Hospital de Veteranos.

On the West, the subject property is adjoined by a commercial property operating as a residential project under the commercial name of Casa Metropolitana.

5.6 Past Uses of Adjoining Properties

There is no recorded information available on the past uses of the adjoining properties to the north, south, east and west. Historical data, however obtained from aerial photos suggests that both the adjoining properties on the west and south have been most likely limited to agricultural, and later) residential/commercial activities. The same applies for the lands north of the subject property.

5.7 Current and Past Uses in the Surrounding Area

In general, properties bounding state road PR-21 in the vicinity of the subject property include mostly residential structures. There are also supermarkets, pharmacies, a laundry, propane gas and hardware stores, separated in some areas by other residential properties. There is a gate and a rebar shop at the eastern end of the property on the corner of De Diego Avenue and PR-21.

There is a Puma S/S across the Tren Urbano track on the northern, of the property on De Diego Avenue. The Suiza Dairy Industrial facility is located just north of the Gulf Gas Station. The neighborhood of the subject property functionally interrelates almost few types of commercial, light industrial and residential uses. The neighborhood enjoys public utilities and services such as potable water from public lines, electricity and telephone; no sanitary sewer is available. Other services such as public protection, firefighting, road repairs, garbage collection, and postal services are served by E.L.A.'s Municipal or Federal Agencies.

5.8 Interior and Exterior Observations

Hazardous Substances and Petroleum Products in Connection with Identified Uses.

No hazardous substances and petroleum products were identified in connection with identified use of the subject property.

Power Generators

No working power generator was reported or observed during the site reconnaissance.

Odors

No strong, pungent, or noxious odors were identified at the subject property and its surroundings during the site inspection.

Pools of Liquid

No standing surface water, pools or sumps containing liquids likely to be hazardous substances or petroleum products were observed during the site reconnaissance.

Drums

No drums suspected to have residual hydrocarbon products or any other chemical were observed at the subject property.

Hazardous Substance and Petroleum Products Containers (Not Necessarily in Connection with Identified Uses)

None observed or reported

Unidentified Substance Containers

No unidentified Substance Containers were observed at the subject property.

PCBs

During the site inspection, we did not identify any visual indications of equipment likely to contain PCB.

Interior Observations:*Heating/Cooling*

No HVAC facilities were observed or reported during the site inspection.

Stains or Corrosion

No corroded or stained metal containers were observed within the subject property.

Drains and Sumps

No sumps or malfunctioning drain system were observed at the subject property.

Exterior Observations:*Pits, Ponds, or Lagoons*

No pits, ponds, or lagoons were observed in the subject property.

Stained Soil or Pavement

No stained soil or pavement was observed at the subject property.

Stressed Vegetation

No stressed vegetation other than from insufficient water was observed at the subject property.

Solid Waste

No trash construction debris, demolition debris, or other solid waste disposal, or mounds or depressions suggesting trash or other solid waste disposal were observed at the subject property.

Wastewater

No wastewater or any discharge into a drain, ditch, underground injection system, or stream on or adjacent to the property was observed. The subject property is fully connected to the Municipal Sewer System.

Wells

No dry wells, irrigation wells, injection wells, abandoned wells, or other wells were observed at the subject property.

Septic Systems

No on-site septic systems or cesspools were observed.

5.9 Vapor Encroachment Screen (VES)

This Phase I ESA also included an initial Vapor Encroachment Screening (VES) to determine if a Vapor Encroachment Condition (VEC) is identified for the Target Property TP (that is, the presence or likely presence of Chemicals of Concern (COC) vapors in the subsurface of the TP caused by the release of vapors from contaminated soil and/or groundwater either on or near the TP as identified by the Tier 1 procedure of ASTM E2600-15.

The following table summarizes the sources of petroleum hydrocarbon COCs identified within the specified Area of Concern of 528 ft. from the subject property.

<i>Sources of COC</i>	<i>Location</i>	<i>AOC (ft)</i>	<i>Distance from TP (ft)</i>	<i>LUST List</i>	<i>VEC</i>
Puma S/S 007 Former Gulf #007	PR-21 corner De Diego Ave.	528	582	Yes	Not Likely

***Note:** The above table refer to sources of Petroleum Hydrocarbon COCs. No source of volatile/semi volatile hazardous COCs were identified in the proposed Area of Concern.*

5.10 Out of Scope Considerations

Following are several non-scope considerations that the user may want to assess in connection with *commercial real estate*. No implication is intended as to the relative importance of inquiry into such non-scope considerations, and this list of non-scope considerations is not intended to be all-inclusive:

Wetlands/Flood Plain

No evidence of wetlands was noted on the subject property. The vicinity surrounding the Subject Property was evaluated using U.S. Fish and Wildlife Service Natural Wetland Inventory. The current operations at the subject property are believed to cause no adverse impact to the wetlands identified in the map. A copy of the National Wetland Inventory for the subject property vicinity issued by the U.S. Fish and Wildlife Service is included in Appendix A of this report. As per FEMA Emergency Flood Map No. 72000C0365J, 53.8% of the subject site falls within a “Zone X” classification, which is defined as “areas determined to be outside the 0.2% annual chance floodplain” and 46.2% is located within a “Zone AE” classification, which indicates areas at high risk for flooding and provides the base flood elevations (BFEs) for them. The environmental professional, however, is not qualified to determine the flooding conditions of the subject site. The Subject Site is assumed to be free of adverse floodable conditions that might affect its intended development, and no liability or responsibility is assumed in this respect. Further analysis of the flood insurance or flood certification is beyond the scope of this Environmental Assessment.

Endangered Species

Under the Endangered Species Act (ESA), the government protects endangered and threatened plants and animals (listed species) and their habitats. The presence of listed species can restrict use of property to ensure that the proposed or current activities do not adversely affect endangered or threatened species as well as their critical habitats. Based on limited reviewed information could not identify any record of threatened or endangered species in the subject property immediate vicinity that may be affected by the current operations at the site.

Lead-Based Paint

The Consumer Product Safety Commission (CPSC) prohibited use of lead in paint for

residential use in 1978 in concentrations greater than 0.06 percent lead by weight. Since CERCLA authorizes EPA to address releases of hazardous substances into the environment, the agency has limited authority to use the federal Superfund program to address exposure from building interior LBP. In limited circumstances, EPA may use its CERCLA authority to conduct response actions for soils contaminated by a release of lead contaminated paint from building exteriors that pose a lead hazard and to prevent recontamination of soils that have been remediated. CTS Group did not perform a Lead based Paint inspection at the premises.

Asbestos Containing Building Materials (ACBM's)

National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations require sampling potential ACBM prior to demolition or extensive renovation, regardless of the date of construction; therefore, if such activities are planned, it may be required to conduct a survey of the entire facility, or that portion slated for renovation or demolition, before initiating such destructive activities. That survey should include an assessment of all subject building materials, including those in areas which are normally inaccessible. Any material found to be ACBM should be handled in accordance with applicable regulations. CTS Group did not perform an Asbestos Containing Materials inspection at the premises.

Microbial Contamination (Mold)

A comprehensive mold survey was beyond the scope of this assessment; however, during the assessment, no visual evidence of active water or mold damage was observed in the areas inspected by CTS Group, Inc.

Radon

Radon gas is a product of the decay series that begins with uranium. Radon is produced directly from radium, which can be commonly found in bedrock that contains black shale and/or granite. Radon gas can migrate through the ground and enter buildings through porous concrete or fractures. Radon tends to accumulate in poorly ventilated basements. Long-term exposure to radon has been associated with lung cancer. The EPA Map of Radon Zones does not provide a map for Puerto Rico. Performing a Radon monitoring and sampling is not required in order to provide a professional opinion under the ASTM 1527-13 Standard.

Lead in Drinking Water

CTS Group, Inc. researched information pertaining to the source and the regulatory compliance of the drinking water supplied to the subject property. The subject property

receives its drinking water from the Puerto Rico Aqueduct and Sewer Authority (PRASA). According to the PRASA's website, 100 % of its water is tested before it enters the distribution system. The water supplied to the Subject Property vicinity reportedly meets federal and state drinking water standards.

Indoor Air Quality

Indoor pollution sources that release gases or particles into the air are the primary cause of indoor air quality problems in homes. Inadequate ventilation can increase indoor pollutant levels by not bringing in enough outdoor air to dilute emissions from indoor sources and by not carrying indoor air pollutants out of the home. High temperature and humidity levels can also increase concentrations of some pollutants. CTS Group, Inc. did not perform any indoor air quality monitoring activities at the subject property.

Noise Pollution

A Noise Survey was not performed as part of this Environmental Site Assessment. No information was provided to the Environmental Professional on whether or not a Noise Survey has been performed at the premises.

6.0 INTERVIEWS AND QUESTIONNAIRES

6.1 User/client questionnaire

Refer to Appendix X for a copy of the client/user questionnaire.

6.2 Past owners and/or past occupants Questionnaire

The subject property past owners were not available to be interviewed. Based on the information collected by interviewing local government officials, present owner and neighboring business owners there is no reason to be believed that the subject property was used to store any regulated chemicals.

6.3 Present owner and/or site manager interview

Refer to Appendix X for a copy of the client/user questionnaire.

6.4 Government Official(s) Interview (s)

The Municipality of San Juan was contacted in order to obtain information in connection with the subject property. During a phone conversation and while being interviewed Mr. Carlos Acevedo director of the Office for Emergency Management indicated that there is not information in record connecting the subject and adjoining properties with any incident or violation that would result in the presence of a

Recognized Environmental Condition. Mr. Raul Garcia director of the Public Works Department was also interviewed; and based on his statement, there is not record in the public Works Department connecting the Subject Property with any environmentally related incident or violation that will result in a risk for the human health and/or the presence of contaminants at the subject property. After reviewing the available documentation in the U.S. EPA and the PR Environmental Quality Board's Underground Storage Tank Program in connection with the subject property, no information was found that would affect the professional opinion issued in this report. The PR EQB was contacted in order to obtain information regarding any environmentally related incident or violation in connection with the commercial operations of the subject property and the rest of the business in the subject's immediate vicinity. As of the completion of this report, CTS Group, Inc. has not yet received a response to our inquiry from the PR EQB requesting information. Responses from agencies not yet received will be forwarded to the client upon receipt with any applicable recommendations. After reviewing the available documentation with the PR Environmental Quality Board's Underground Storage Tank Program in connection with the subject property, no information was found that would affect the professional opinion issued in this report.

7.0 FINDINGS

The inspection of the subject property surrounding yield the following results:

- There is no evidence of oily films on standing water.
- There is no evidence of discolored and oil stained floors.
- There is no evidence of discarded chemical containers.
- There is no evidence of waste pipes, buried waste.
- There is no evidence of distressed vegetation.
- There is no presence of unusual odors.
- There is no evidence of a LUST Facility at the subject property
- There is no evidence of a LUST Facility at any of the adjoining properties.

The results of this assessment have revealed no Recognized Environmental Conditions associated with the Subject Property.

The results of this assessment have revealed no Controlled Recognized Environmental Conditions associated with the Subject Property.

The results of this assessment have revealed no Historical Recognized Environmental Condition associated with the Subject Property.

The results of this assessment have revealed no *De Minimis Condition* associated with the Subject Property.

8.0 OPINIONS

It is our professional opinion that due to the fact that no Recognized Environmental Conditions were identified during this assessment, there is no need to conduct any further study or testing in the subject property, unless there is a change of the current operations as describes herein. Except for the limitations and exceptions discussed in Section 2.3, this Phase I ESA complies with the ASTM Standard 1527-13.

9.0 ADDITIONAL INVESTIGATIONS

No additional investigation was performed at the subject property beyond the scope of the ASTM 1527-13 Standard.

10.0 DATA GAPS

A Data Gap related to the inability to interview any state or municipal government official was identified while conducting the research for this Environmental Site Assessment. The identified data gap could have an impact in the findings described herein.

11.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of a commercial lot located at Road PR-21 Km 2.9, Monacillos Ward, San Juan, Puerto Rico, the property. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. Any exception to, or deletions from, this practice are described in Section 13.0 of this report. The Findings, Opinions, and Conclusion sections of this report are based on sections 12.5, 12.6, and 12.8 of ASTM E 1527-13, respectively.

12.0 RECOMMANDATIONS

No further testing is required at the subject property.

13.0 LIMITING CONDITIONS & DEVIATIONS

Except for the limitations and exceptions discussed in Section 2.3, this Phase I ESA complies with the ASTM Standard 1527-13.

14.0 REFERENCES

ASTM Standards:

1. *ASTM1527-13 Standard practice for Environmental Site Assessments Phase I*
2. *E2091 Guide for Use of Activity and Use Limitations, Including Institutional and Engineering Controls*
3. *E2600 Guide for Vapor Encroachment Screening on Property*
4. *Involved in Real Estate Transactions*

Federal Statutes:

1. *Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("CERCLA" or "Superfund"), as amended by Superfund Amendments and Reauthorization Act of 1986 ("SARA") and Small Business Liability Relief and Brownfields Revitalization Act of 2002 ("Brownfields Amendments"), 42 U.S.C. §§9601 et seq.*
2. *Emergency Planning and Community Right-To-Know Act of 1986 ("EPCRA"), 42 U.S.C. §§11001 et seq.*
3. *Freedom of Information Act, 5 U.S.C. §552, as amended by Public Law No. 104-231, 110 Stat. 3048*
4. *Resource Conservation and Recovery Act (also referred to as the Solid Waste Disposal Act), as amended ("RCRA"), 42 U.S.C §6901 et seq.*

USEPA Documents:

1. *"All Appropriate Inquiries" Final Rule, 40 C.F.R. Part 312*
2. *Chapter 1 EPA, Subchapter J-Superfund, Emergency.*

15.0 ENVIRONMENTAL PROFESSIONAL STATEMENT & SIGNATURE

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. 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 the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Ihosvany Negret Lapeira, MS. ME.
Lead Environmental Consultant
CTS Group Inc.
San Juan, PR



Site Photographs & Aerial Views



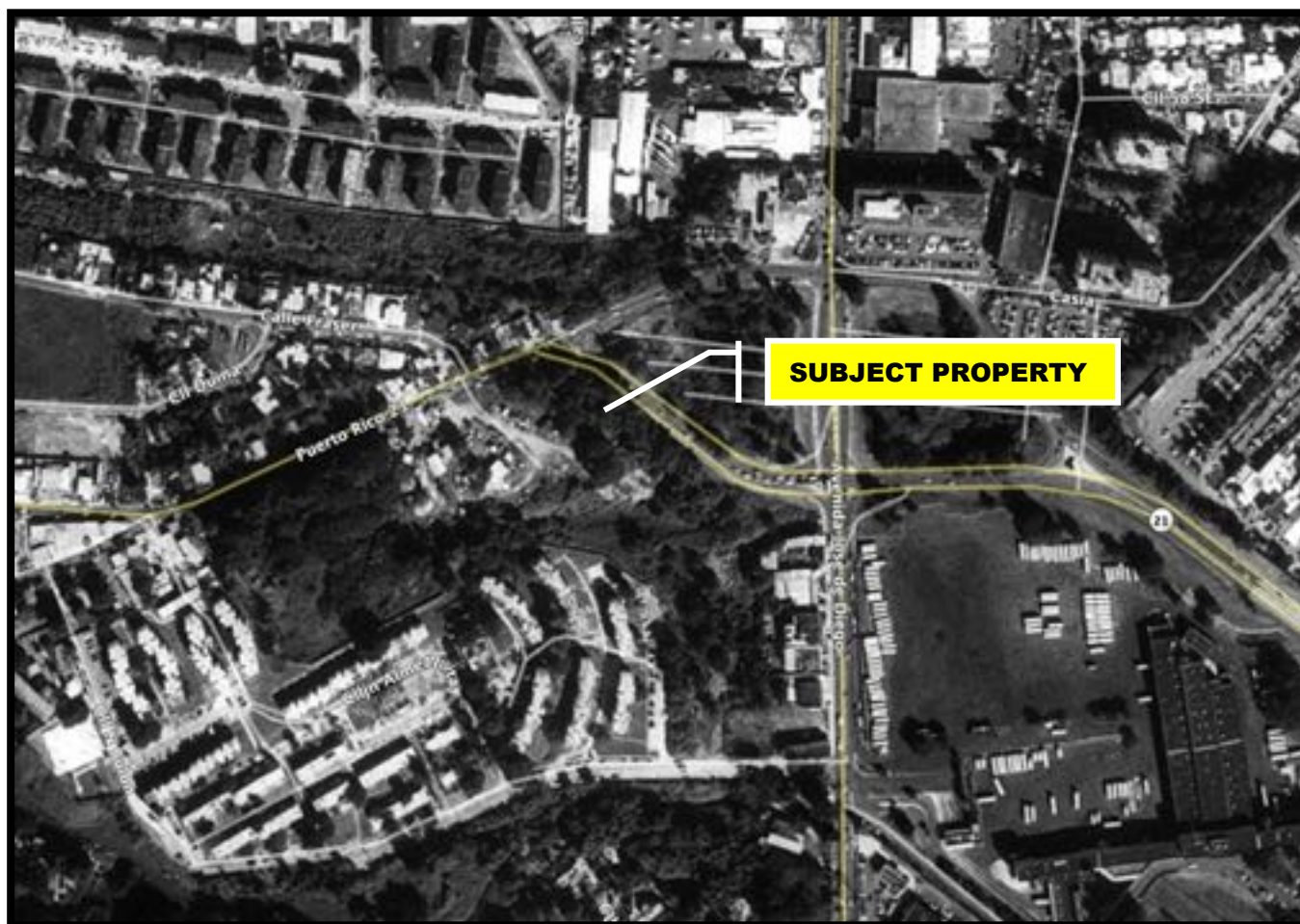


Adjoining Properties





Aerial Photographs



SUBJECT PROPERTY VICINITY
AERIAL VIEW – 1995
GOOGLE EARTH PRO

CASA METROPOLITANA II
PR-21 KM 2.9, MONACILLOS WARD
SAN JUAN, PUERTO RICO





SUBJECT PROPERTY VICINITY
AERIAL VIEW – 2011
GOOGLE EARTH PRO

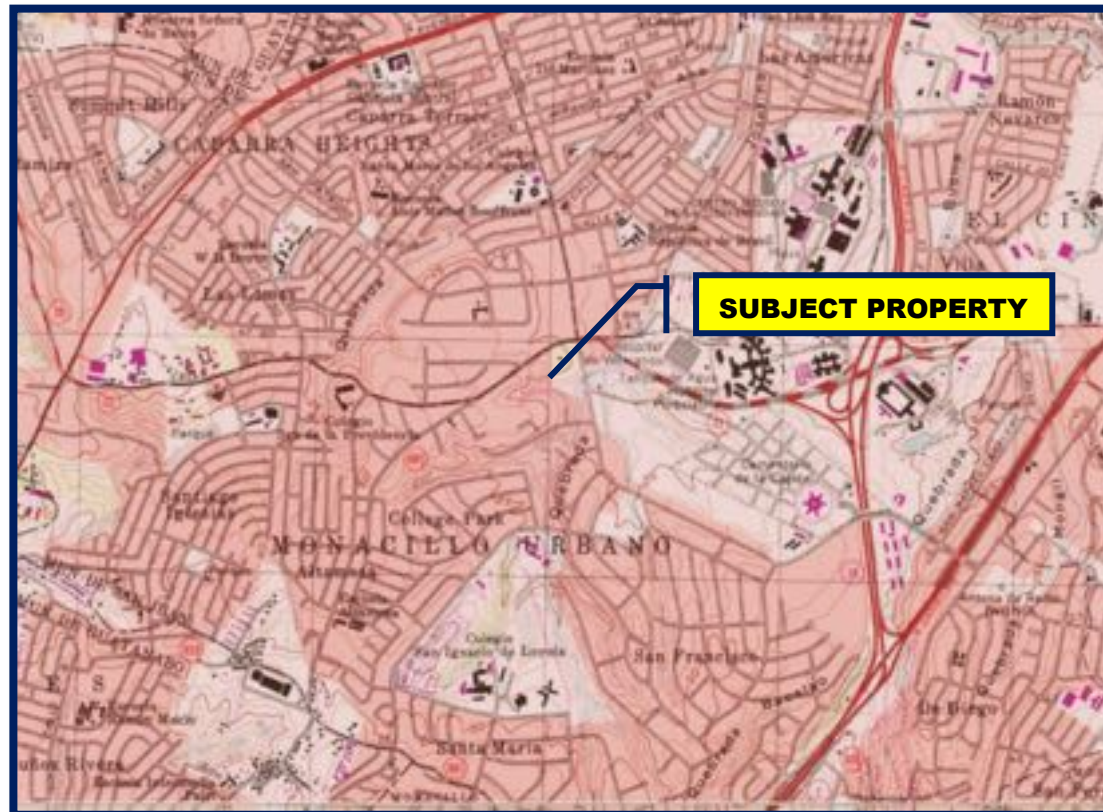
CASA METROPOLITANA II
PR-21 KM 2.9, MONACILLOS WARD
SAN JUAN, PUERTO RICO



SUBJECT PROPERTY VICINITY
AERIAL VIEW – 2019
GOOGLE EARTH PRO

CASA METROPOLITANA II
PR-21 KM 2.9, MONACILLOS WARD
SAN JUAN, PUERTO RICO

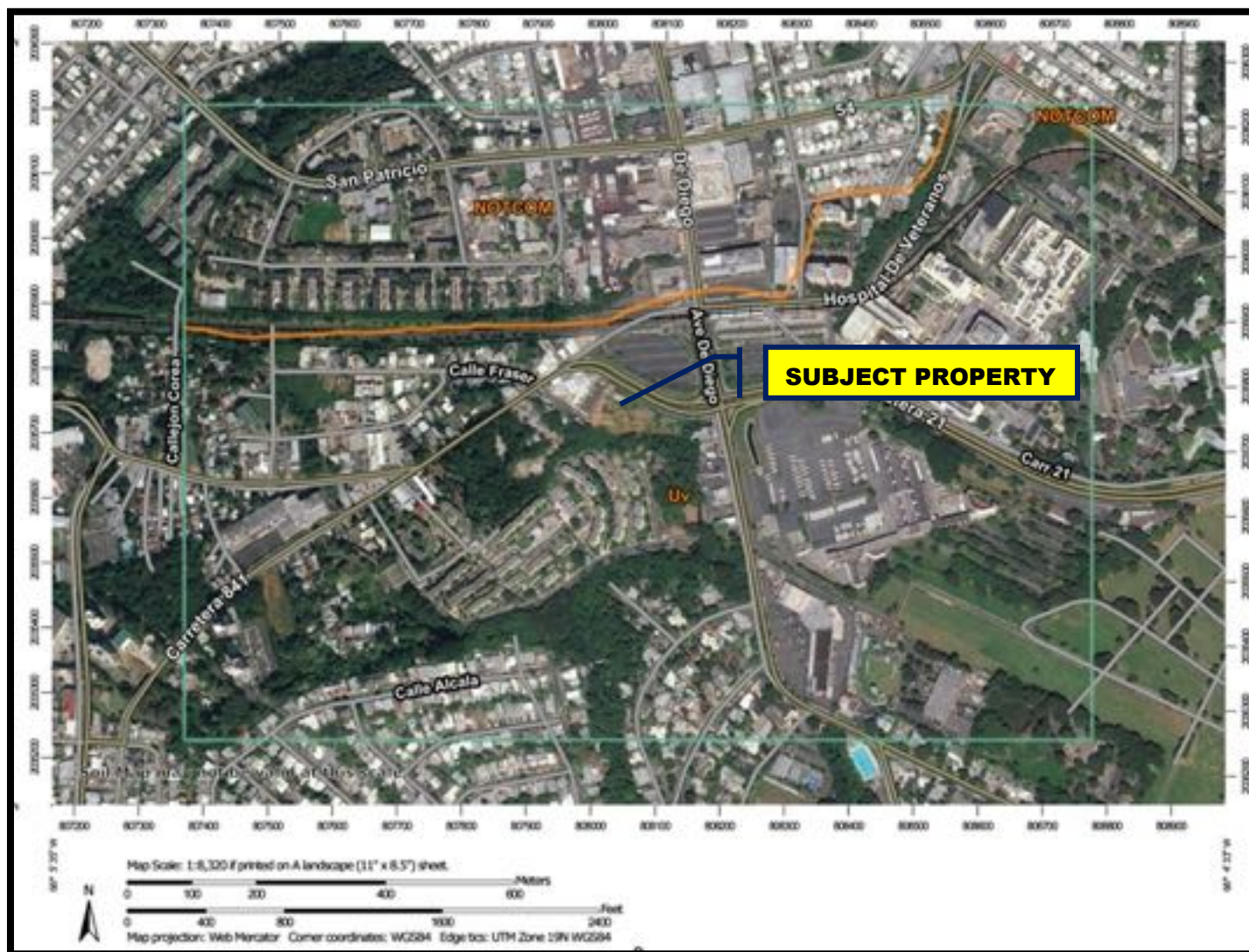
Topographic Map



**SUBJECT PROPERTY VICINITY
TOPOGRAPHIC QUADRANGLE
SOURCE: USGS**

**CASA METROPOLITANA II
PR-21 KM 2.9, MONACILLOS WARD
SAN JUAN, PUERTO RICO**

USDA Soil Map



**SUBJECT PROPERTY VICINITY
SOIL MAP
SOURCE: USDA**

**CASA METROPOLITANA II
PR-21 KM 2.9, MONACILLOS WARD
SAN JUAN, PUERTO RICO**

Property Tax ID Information

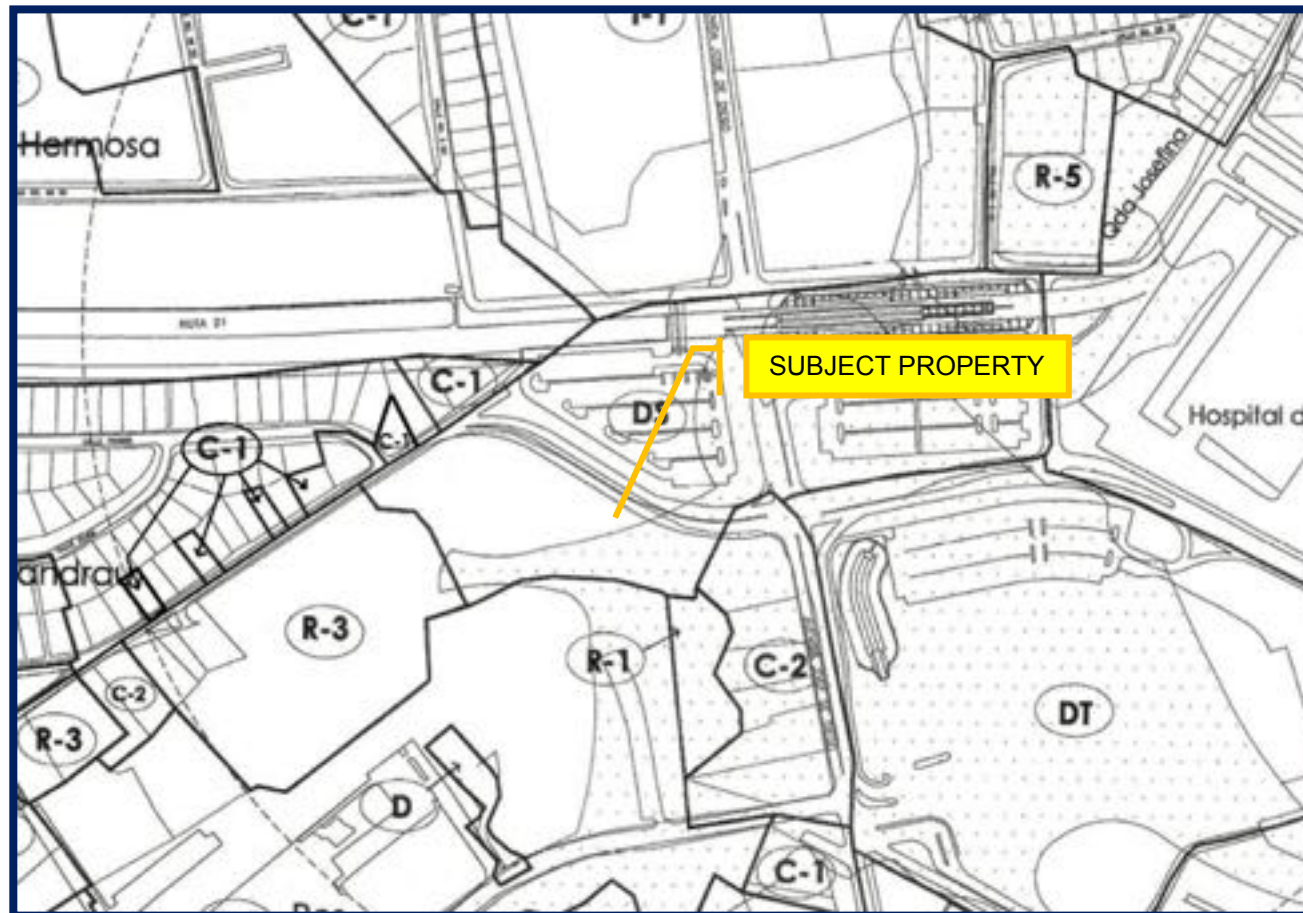
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Catastro	086-047-057-93
Coordenadas Nad83	x: 236852.3672, y: 281578.1983 (Lat: 18.38937030, Lon: -66.08458312) Ver: Google Google Earth OpenStreet Temblores.USGS Waze
Area Aprox. (m.c.)	11012.5292
Municipio	San Juan
Barrio	Monacillo Urbano
Características Ambientales	
Zona Inundabilidad	X (53.8%) AE (46.2%)
Zona Inund. Advisory	A (46.1%)
Panel Inundabilidad	72000C0365J
Floodway	
Suelo (NRCS)	Uv (Urban land-Vega Alta complex)
Calificación y Clasificación de Suelo	
Calificación	Oficialización del geodato en proceso, favor de referirse al mapa de calificación vigente.
Clasificación PT	Oficialización del geodato en proceso, favor de referirse al mapa de calificación vigente.
Clasificación PUT	SU (Suelo Urbano)
Mapas de Calificación	Hoja: 9 C de San Juan Mapa PUT
Distrito Sobrepuesto	APE-ZC (Área de Planificación Especial Zona Cárstica)
Zona Histórica	
Sitio Histórico	0
Reglamento Aplicable	<ul style="list-style-type: none"> Plan de Uso de Terrenos Reglamento POT San Juan
Vigencia de Clasificación PUT	30-nov-2015
Vigencia de GeoDato de Calificación	(Dato no disponible)
Status POT	Municipio Autónomo con Jerarquía V
Permisos	11 Casos PemasFreedom



PROPERTY TAX ID INFORMATION
SOURCE: PR PLANNING BOARD

CASA METROPOLITANA II
PR-21 KM 2.9, MONACILLOS WARD
SAN JUAN, PUERTO RICO

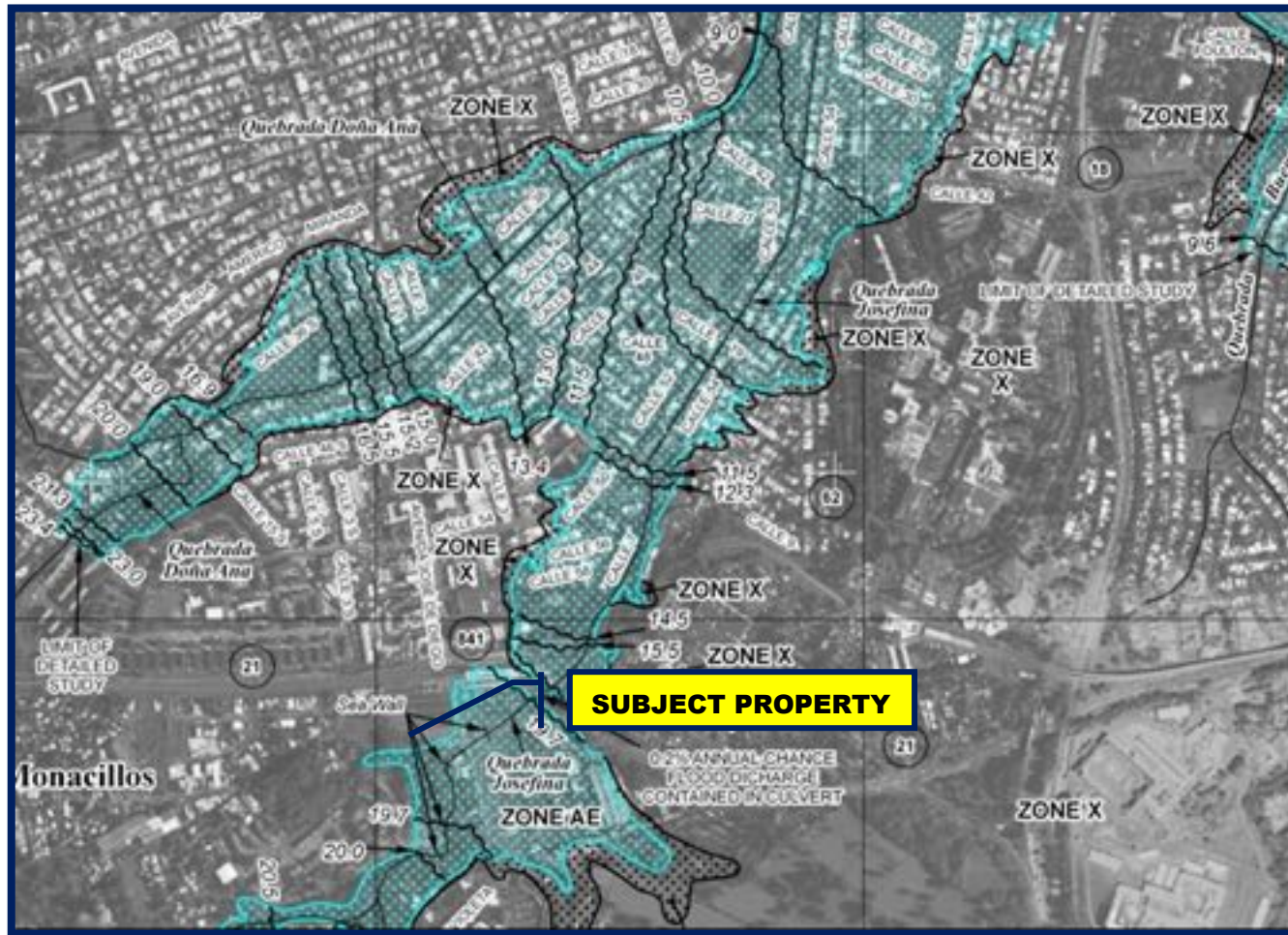
Zoning Map



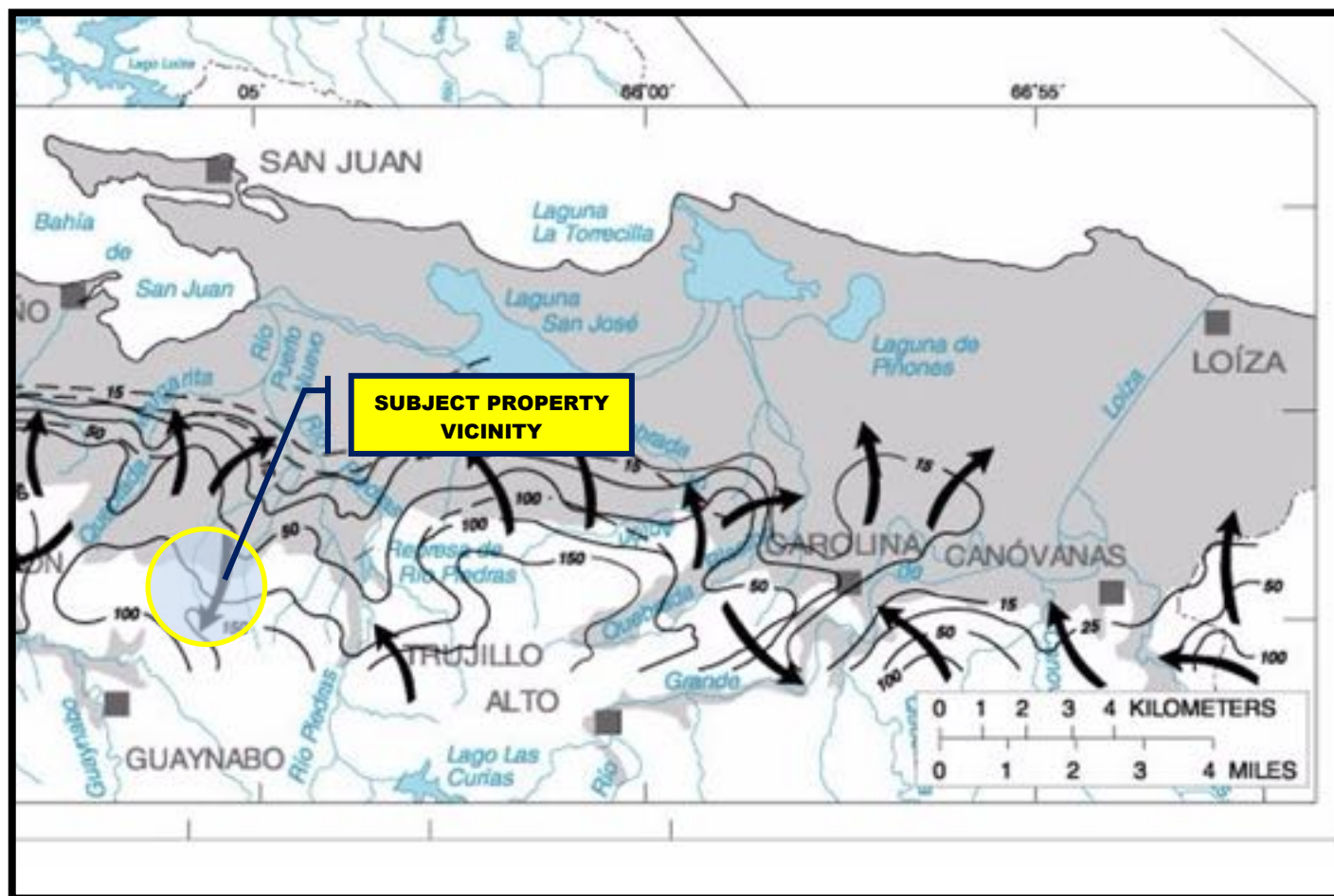
DISTRICTOS DE CALIFICACION	
DISTRICTOS EN BLOQUE URBANO	
DISTRICTOS RESIDENCIALES	
R-0	BAJA DENSIDAD SOLAR (M ² 500/m ²)
R-1	BAJA DENSIDAD SOLAR (M ² 1000/m ²)
R-2	BAJA DENSIDAD SOLAR (M ² 4000/m ²)
R-3	GENERAL SOLAR (M ² 3000/m ²)
R-4	GENERAL SOLAR (M ² 3000/m ²)
R-5	APARTAMENTOS (Baja Densidad en Solar (M ² 4000/m ²))
R-6	APARTAMENTOS (Zona Histórica)
R-7	RESIDENCIAL TURISTICO (3000/m ²)
R-8	RESIDENCIAL TURISTICO (3000/m ²)
R-9	RESIDENCIAL TURISTICO (1.000/m ²)
DISTRICTOS COMERCIALES	
CO-1	COMERCIAL DE OPORTUNIDAD
CO-2	COMERCIAL DE OPORTUNIDAD
CO-3	COMERCIAL LOCAL
CO-4	COMERCIAL CENTRAL INTERMEDIO
CO-5	COMERCIAL CENTRAL
CO-6	CENTROS DE SERVICIOS
CO-7	COMERCIAL DE SERVICIOS
CO-8	COMERCIAL TURISTICO (INTERMEDIO)
CO-9	COMERCIAL TURISTICO (INTERMEDIO)
CO-10	COMERCIAL TURISTICO (Baja Densidad)
CO-11	COMERCIAL TURISTICO (Baja Densidad)
DISTRICTOS INDUSTRIALES	
I-1	INDUSTRIAL (INDUSTRIAS LIVIANAS)
I-2	INDUSTRIAL (INDUSTRIAS LIVIANAS)
I-3	INDUSTRIAL (INDUSTRIAS PESADAS)
I-4	INDUSTRIAL (INDUSTRIAS PESADAS)
DISTRICTOS EN BLOQUE RUSTICO	
BP	BLOQUE RUSTICO POR LAZADO
BP-1	BLOQUE DE RUSTICO
DISTRICTOS DE SERVICIOS	
SC-1	RESIDENCIAL-COMERCIAL
DISTRICTOS DE OPORTUNIDAD	
O	OPORTUNIDAD PUBLICA
OP	OPORTUNIDAD PUBLICA
OP-1	OPORTUNIDAD PUBLICA
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OP-100	OPORTUNIDAD PUBLICA



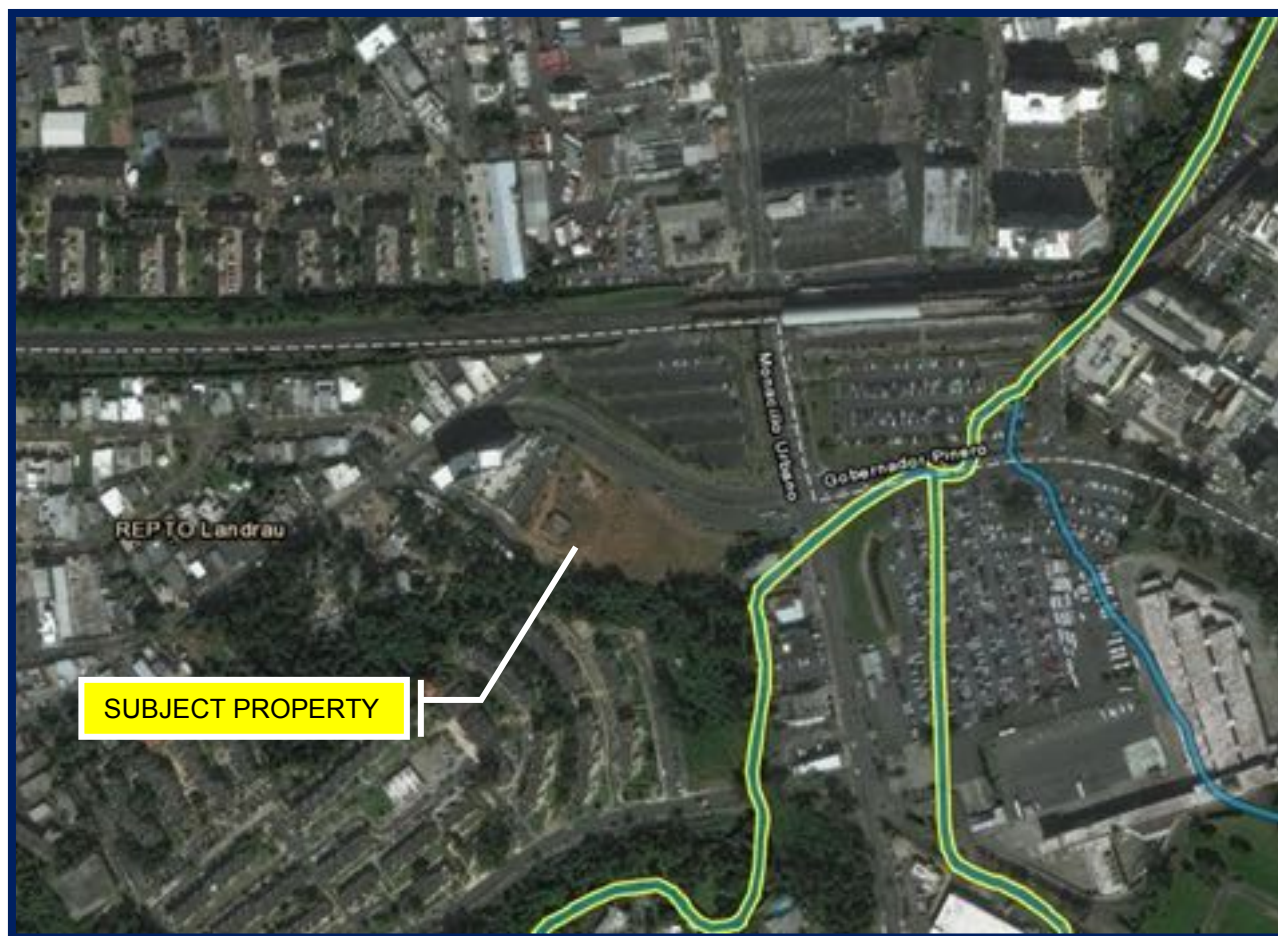
U.S. FEMA Flood Map



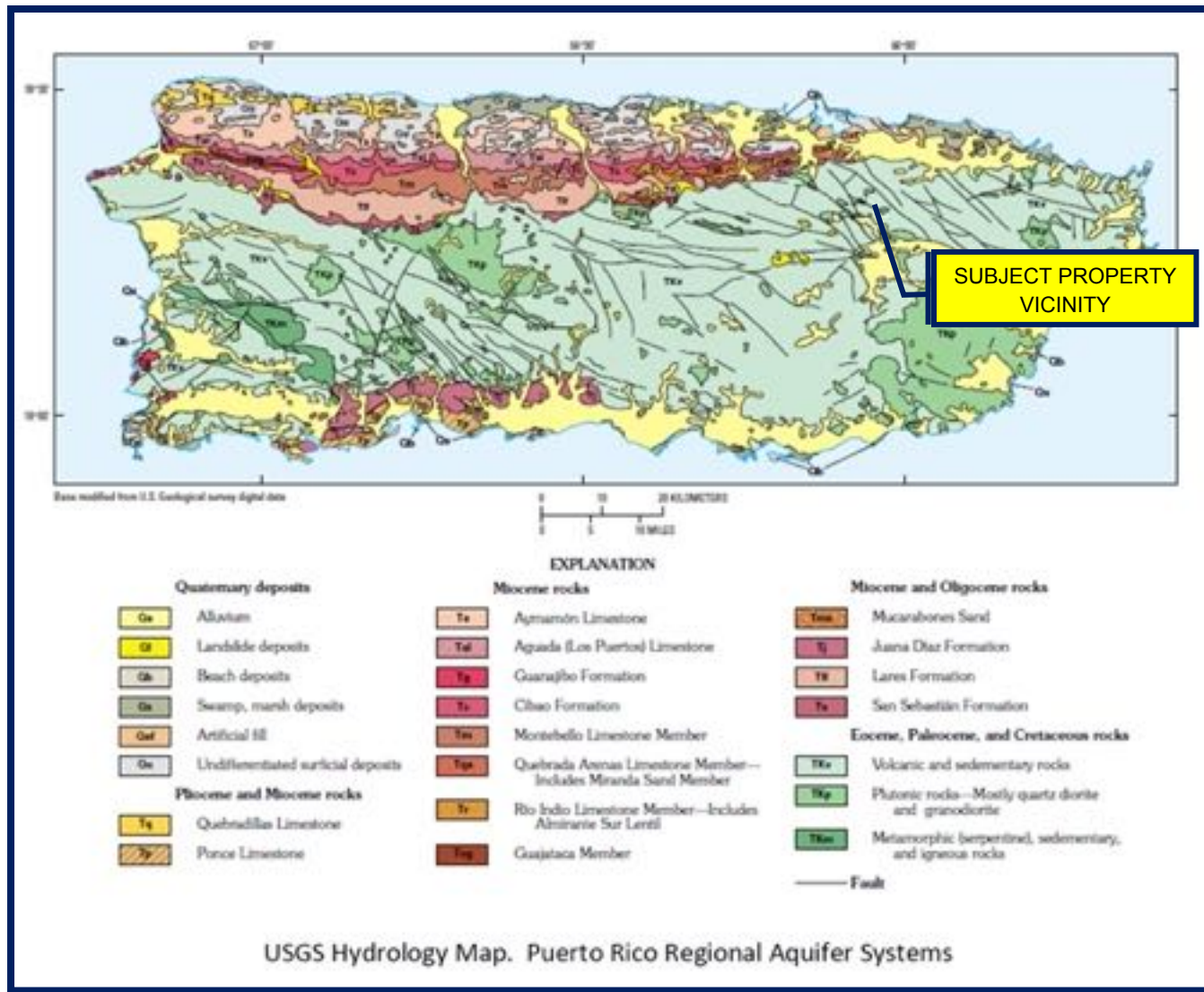
U.S. USGS
Vicinity Ground Water Movement



U.S. Fish and Wildlife Service
National Wetland Inventory Map



USGS Geologic Map



Appendix I

EPA Superfund CERCLIS List

CTS Group, Inc.

CMP-10-021



Superfund Site Search Results

Found **2** site(s) that match your search criteria listed below.

Search Criteria:

Active, Archived, or All : **Active**

City: **SAN JUAN**

State: **Puerto Rico**

ZIP Code: **00921**

To conduct another search, return to the [Search Superfund Site Information](#) page.

[Download Excel file containing values for all search criteria](#)

Displaying sites 1 through 2

EPA ID	Site Name	City	County	State	National Priorities List Status	Superfund Alternative Approach	Construction Complete	Site-wide Ready for Anticipated Use	Human Exposure Under Control
PRD987373230	SUIZA DAIRY	SAN JUAN	SAN JUAN	PR	Not NPL	No	No	No	Status Unavail
PRN000206483	VA CARIBBEAN HEALTHCARE SYSTEM/SAN JUAN VA MEDICAL CENTER	SAN JUAN	[Blank County]	PR	Not NPL	No	No	No	Status Unavail

Displaying sites 1 through 2

OCTOBER 26, 2021

CTS Group, Inc.

CMP-10-021

Appendix II
EPA Enforcement and Compliance
History (ECHO)

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. [Read More...](#)

Report Violation

Help

>

Facility Summary

—

Select a facility row from the search results table.

Current Search

—

33 Facilities Found

Selected Criteria

- Search Type: All Data
- State: Puerto Rico
- Active/Operating: Yes
- ZIP Code: 00926
- City: San Juan
- Explore Enforcement and Compliance Criteria

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

Modify Search

Filter Facilities

—

Not Filtering on 33 Facilities

Only Show Matches

Map Legend

Basemap Options

Zoom To:

Search as map moves

Search

Map

Search as map moves

Customize Columns

Download Data

Quick CSV Download

Results Guide

Reports Legend

Facility Name	Mapped	Street Address	City	State	FRS ID	Report
<u>60 MINUTES CLEANERS</u>		387 AVENIDA SAN CLAUDIO CUPEY	SAN JUAN	PR	110055065566	
<u>B&B TARGET CENTER INC</u>		369 SAN CLAUDIO AVE SUITE 3	SAN JUAN	PR	110070122651	
<u>CARIBE REBUILDERS</u>		378 RAMON B LOPEZ AVE	SAN JUAN	PR	110032659111	
<u>CESAR CASTILLO INCORPORATED</u>		PR-1 KM 26 BO	SAN JUAN	PR	110009450496	
<u>CONSTRUCTION OF CONGESTION MANAGED LANE (DTL PHASE I UNIT 3)</u>		LUIS A. FERRE HIGHWAY (PR-52) STA 63+00 TO 84+60	SAN JUAN	PR	110070265191	
<u>CONSTRUCTION OF CONGESTION MANAGEMENT LANE</u>		LUIS A. FERRE HIGHWAY (PR-52), KM 0.15 @ KM 3.15	SAN JUAN	PR	110070552262	
<u>CONSTRUCTION OF CONGESTION MANAGED LANES (DTL PHASE UNIT 2)</u>		LUIS A. FERRE HIGHWAY (PR_52) STA 84+60 TO 98+20	SAN JUAN	PR	110070264711	
<u>CUPEY STATION AREA IMPROVEMENTS</u>		STATE ROAD PR-176	SAN JUAN	PR	110070080195	
<u>ECOFUTBOL</u>		PARQUE LUIS MUÑOZ MARRERO	SAN JUAN	PR	110070067246	

<div>Custom Columns</div> <div>Download Data</div> <div>Quick CSV Download</div>							
Facility Name	Mapped	Street Address	City	State	FRS ID	Reports	EJ Indexes Above 80th Percentile (US)
5 SENSES SOLUTIONS LLC		1795 AVENIDA PAZ GRANELA URB SANTIAGO IGLESIAS	SAN JUAN	PR	110070912614		No
AUTOS DEL CARIBE		MARGINAL AVE & KENNEDY KM 2.5	SAN JUAN	PR	110037441462		No
CONSTRUCTION OF CONGESTION MANAGED LANES (DTL PHASE III UNIT 2)		LAS AMERICAS AVE. (PR-18) STA 6+60 TO STA 13+40	SAN JUAN	PR	110070694250		No
CONSTRUCTION OF CONGESTION MANAGED LANES (DTL PHASE III UNIT 3)		STATE ROADS PR-18, PR-52 & PR-1 STA. 1+00 TO 6+60	SAN JUAN	PR	110070547175		No
CONSTRUCTION OF CONGESTION MANAGEMENT LANES (DTL PHASE III UNIT 3)		STATE ROADS PR-18, PR-52 & PR-1, STA 1+00 @ STA 6+	SAN JUAN	PR	110070546008		No
CONSTRUCTION OF CONGESTION MANAGEMENT LANES (DTL PHASE III UNIT 1)		LAS AMERICAS EXPRESSWAY (PR-18) STA 13+40.00 @ STA	SAN JUAN	PR	110070544695		No
DEPT DE SALUD INST DE LABORATORIO		ANTIGUO HOSP DE PSIQUIATRIA	SAN JUAN	PR	110060328506		No
GRAPHIC ART PRINTING		CALLE 31 SO #856	SAN JUAN	PR	110037264279		Yes
INSTALL NEW 38 KV POWER LINE		955 PUERTO PRINCIPE ST. TO VETERANS HOSPITAL	SAN JUAN	PR	110070383897		Yes
LABORATORIO QUIMICO INDUSTRIAL		1214 JESUS T PINERO AVE	SAN JUAN	PR	110014440783		Yes
LAUNDRY CENTRAL		AVE PINERO FINAL ESQ. MARTINEZ	SAN JUAN	PR	110055610478		No
M & P PEST CONTROL		1332 JOSE T. PINERO AVENUE	SAN JUAN	PR	110063863519		Yes
METRONHEALTH INC DBA HOSPITAL METROPOLITANO		CARR #21 #1785 LAS LOMAS	SAN JUAN	PR	PRR000027177		No
METROPOLITANO		---	---	PR	110013191520		No
MONEILLOS DUMP		1425 PR-21	MONACILLO URBANO	PR	110067640832		No
ONE HOUR VISTA HERMOSA DRY CLEANERS INC		1400 AVENIDA SAN PATRICIO #3	SAN JUAN	PR	110001662059		Yes
PUERTO NUEVO TERMINALS, LLC		AVENIDA C, MUELLE M	SAN JUAN	PR	110071076728		No
SUZA DAIRY		51 AVE DE DIEGO URB RIO PIEDRAS	SAN JUAN	PR	110001660131		No
UPGRADE PERIMETER FENCE AT VACHS		10 CALLE CASIA	SAN JUAN	PR	110070504907		No
VA CARIBBEAN HEALTHCARE SYSTEM		10 CALLE CASIA, RIO PIEDRAS	SAN JUAN	PR	110037608283		No
VETERANS AFFAIR CARIBBEAN HEALTHCARE SYSTEM		10 CASI STREET	SAN JUAN	PR	110070105440		No

Appendix III
EPA National Priority List (NPL)

CTS Group, Inc. Willow Grove Naval Air and Air Reserve Station						CMP-10-021 <ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/03/900223> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-1995-09-29/pdf/95-24415.pdf> (5 pp, 166 K) 		Site Loca
Willow Grove	Willow Grove	PAD987277837	09/29/1995	50.00	Yes			

Top of page

Puerto Rico (18 sites)							
Site Name	City	Site EPA ID	Listing Date	Site Score	Federal Facility Indicator	Additional Information	Site Location
Atlantic Fleet Weapons Training Area - Vieques	Vieques	PRN000204694	02/11/2005		Yes	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363533> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2005-02-11/pdf/05-2711.pdf> (8 pp, 175 K) 	Site Location
Cabo Rojo Ground Water Contamination	Cabo Rojo	PRN000206319	03/10/2011	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363179> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2011-03-10/pdf/2011-5337.pdf> (9 pp, 179 K) 	Site Location
Cidra Ground Water Contamination	Cidra	PRN000204538	07/22/2004	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363531> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2004-07-22/pdf/04-16571.pdf> (8 pp, 205 K) 	Site Location
Corozal Well	Corozal	PRN000206452	03/15/2012	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363184> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2012-03-15/pdf/2012-6329.pdf> (9 pp, 250 K) 	Site Location
Dorado Ground Water Contamination	Dorado	PRN000201872	09/09/2016	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363674> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2016-09-09/pdf/2016-21615.pdf> (7 pp, 245 K) 	Site Location
Fibers Public	Jobos	PRD980763783	09/21/1984	35.34	No		Site

CTS Group, Inc. Supply Wells						CMP-10-021	Location
						<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363610> Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/document/11/189627> (22 pp, 177 K) 	
Juncos Landfill	Juncos	PRD980512362	09/08/1983	32.57	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363606> Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/document/11/189620> (36 pp, 441 K) 	Site Location
Maunabo Area Ground Water Contamination	Maunabo	PRN000205831	09/27/2006	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363168> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2006-09-27/pdf/e6-15858.pdf> (9 pp, 212 K) 	Site Location
Papelera Puertorriquena, Inc.	Utado	PRD090290685	09/23/2009	34.69	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363173> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2009-09-23/pdf/e9-22934.pdf> (10 pp, 170 K) 	Site Location
Pesticide Warehouse I	Arecibo	PRD987367349	09/27/2006	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363165> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2006-09-27/pdf/e6-15858.pdf> (9 pp, 212 K) 	Site Location
Pesticide Warehouse III	Manati	PRD987367299	04/30/2003	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/02/363521> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2003-04-30/pdf/03-10648.pdf> (8 pp, 191 K) 	Site Location
PROTECO	Peñuelas	PRD000831487	05/15/2019	36.33	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/11/199498> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2019-05-15/pdf/2019-09924.pdf> (7 pp, 324 K) 	Site Location
San German	San German	PRN000205957	03/19/2008	50.00	No		Site

CTS Group, Inc. Ground Water Contamination						<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/02/363170> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2008-03-19/pdf/e8-5557.pdf> (9 pp, 214 K) 	CMP-10-021 Location
Scorpio Recycling, Inc.	Candalaria Ward	PRD987376662	02/04/2000	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/02/363500> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2000-02-04/pdf/00-2474.pdf> (8 pp, 271 K) 	Site Location
The Battery Recycling Company	Bo. Cambalache	PRR000004655	08/03/2017	56.66	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/11/196879> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-2017-08-03/pdf/2017-16172.pdf> (6 pp, 255 K) 	Site Location
Upjohn Facility	Barceloneta	PRD980301154	09/21/1984	41.92	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/02/363609> Site Progress Profile Federal Register Notice (PDF) <https://semsub.epa.gov/src/document/11/189627> (22 pp, 177 K) 	Site Location
Vega Alta Public Supply Wells	Vega Alta	PRD980763775	09/21/1984	42.24	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/02/363608> Site Progress Profile Federal Register Notice (PDF) <https://semsub.epa.gov/src/document/11/189627> (22 pp, 177 K) 	Site Location
Vega Baja Solid Waste Disposal	Rio Abajo Ward	PRD980512669	07/22/1999	50.37	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/02/363488> Site Progress Profile Federal Register Notice (PDF) <http://www.gpo.gov/fdsys/pkg/fr-1999-07-22/pdf/99-18602.pdf> (8 pp, 183 K) 	Site Location

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Rhode Island (12 sites)							
Site Name	City	Site EPA ID	Listing Date	Site Score	Federal Facility Indicator	Additional Information	Site Loc
Central Landfill	Johnston	RID980520183	06/10/1986	46.71	No		Site

Appendix IV

EPA Toxic Release Inventory (TRI)

Related Topics: **Envirofacts** <https://epa.gov/enviro>

CONTACT US <https://www.epa.gov/enviro/forms/contact-us-about-envirofacts>

Home <https://enviro.epa.gov> | Multisystem Search <https://enviro.epa.gov/facts/multisystem.html> | Topic Searches <https://www.epa.gov/enviro/topic-searches> | System Data Searches <https://www.epa.gov/enviro/system-data-searches> | About the Data <https://www.epa.gov/enviro/about-data> | Data Downloads <https://www.epa.gov/enviro/data-downloads> | Widgets <https://www.epa.gov/enviro/widgets> | Services <https://www.epa.gov/enviro/web-services> | Mobile <https://www.epa.gov/enviro/whyindex-mobile.asp> | Other Datasets <https://epa.gov/eda/311231>

<< Return

Search Parameters:

TRI facility information searched

ZIP Code: 00921

City Name: San Juan

State Abbreviation: PR

Results are based on data extracted on OCT-13-2021

Note:
Click on the TRI Facility Report button to view a detailed report on the facility.
Click on the TOTAL FORMS value to view the forms for each TRI Reporting Year.

List of EPA-Regulated Facilities in TRI

<div><div>Copy</div><div>CSV</div><div>Excel</div><div>PDF</div><div>Print</div></div> <div>Showing 1 to 1 of 1 entries<div>Show<div>10</div>entries</div></div> <div>Search:<div></div></div> <div><div>First</div><div>Previous</div><div>1</div><div>Next</div><div>Last</div></div>					
TRI FACILITY REPORT	TRI FACILITY ID	FACILITY NAME	ADDRESS <https://epa.gov//enviro.epa.gov/facts/tri/search_userguide.html#address>	COUNTY NAME	LATITUDE LONGITUDE
<div><div>TRI Facility Report</div><div><https://enviro.epa.gov/facts/tri/ef-facilities/#/facility/00921svcrb1casi></div></div>	00921SVCRB1CASI	VETERANS AFFAIR CARRIBEAN HEALTHCARE SYSTEMS	10 CASIA ST SAN JUAN, PR 00921	SAN JUAN MUNICIPIO	18.38993, -66.07879
<div>Showing 1 to 1 of 1 entries<div>Show<div>10</div>entries</div></div> <div>Search:<div></div></div> <div><div>First</div><div>Previous</div><div>1</div><div>Next</div><div>Last</div></div>					

Go To Top Of The Page

Total Number of Facilities Retrieved: 1

CTS Group, Inc.

CMP-10-021

Data Refresh Information

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

Appendix V
EPA Resource Conservation and
Recovery Act (RCRA)

Related Topics: Envirofacts <https://epa.gov/enviro>

CONTACT US <https://www.epa.gov/enviro/forms/contact-us-about-envirofacts>

Home <https://enviro.epa.gov> | Multisystem Search <https://enviro.epa.gov/facts/multisystem.html> | Topic Searches <https://www.epa.gov/enviro/topic-searches> | System Data Searches <https://www.epa.gov/enviro/system-data-searches> | About the Data <https://www.epa.gov/enviro/about-data> | Data Downloads <https://www.epa.gov/enviro/data-downloads> | Widgets <https://www.epa.gov/enviro/widgets> | Services <https://www.epa.gov/enviro/web-services> | Mobile <https://www.epa.gov/enviro/using-mobile-app> | Other Datasets <https://epa.gov/data/311231>

Only RCRAInfo facility information was searched to select facilities

<< Return

Search Parameters: ZIP Code: 00921
City Name: San Juan
State Abbreviation: PR
Sites: Only Active

Results are based on data extracted on OCT-25-2021

Copy	CSV	Excel	PDF	Print			
Showing 1 to 8 of 8 entries		Show 10 entries	Search:				
First	Previous	1	Next	Last			
HANDLER ID	NAME	STREET	CITY	COUNTY	STATE	ZIP CODE	LATITUDE/LONGITUDE
PRR000026807	5 SENSES SOLUTIONS LLC	1795 AVENIDA PAZ GRANELA URB SANTIAGO IGLESIAS	SAN JUAN	SAN JUAN	PR	00921-3626	/
PRR000021584	AUTOS DEL CARIBE	MARGINAL AVE & KENNEDY KM 2.5	SAN JUAN	SAN JUAN	PR	00921	/
PRN008026817	DEPT DE SALUD INST DE LABORATORIO	ANTIGUO HOSP DE PSIQUIATRIA	SAN JUAN	SAN JUAN	PR	00921	/
PRN008020067	GRAPHIC ART PRINTING	CALLE 31 SO #856	SAN JUAN	SAN JUAN	PR	00921	18.394227/-66.096103
PRR000016048	LABORATORIO QUIMICO INDUSTRIAL	1214 JESUS T PINERO AVE	SAN JUAN	SAN JUAN	PR	00921	18.40417/-66.08452
PRR000027177	METROHEALTH INC DBA HOSPITAL METROPOLITANO	CARR #21 #1785 LAS LOMAS	SAN JUAN	SAN JUAN	PR	00921	/
PR3360090010	VA CARIBBEAN HEALTHCARE SYSTEM	10 CASIA ST.	SAN JUAN	SAN JUAN	PR	00921	18.38993/-66.07879
PRR000021295	VISTA HERMOSA DRY CLEANER	1400 SAN PATRICIO AVE URB LA RIVIER	SAN JUAN	SAN JUAN	PR	00921	18.39245/-66.08965
Showing 1 to 8 of 8 entries		Show 10 entries	Search:				

CTS Group, Inc.

CMP-10-021

First Previous 1 Next Last

Go To Top Of The Page

Total Number of Facilities Retrieved: 8

Data Refresh Information

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

Related Topics:[CONTACT US <https://www.epa.gov/enviro/forms/contact-us-about-envirofacts>](https://www.epa.gov/enviro/forms/contact-us-about-envirofacts)**Envirofacts**[<https://epa.gov/enviro>](https://epa.gov/enviro)

[Home <https://enviro.epa.gov>](https://enviro.epa.gov) | [Multisystem Search <https://enviro.epa.gov/facts/multisystem.html>](https://enviro.epa.gov/facts/multisystem.html) | [Topic Searches <https://www.epa.gov/enviro/topic-searches>](https://www.epa.gov/enviro/topic-searches) | [System Data Searches <https://www.epa.gov/enviro/system-data-searches>](https://www.epa.gov/enviro/system-data-searches) | [About the Data <https://www.epa.gov/enviro/about-data>](https://www.epa.gov/enviro/about-data) | [Data Downloads <https://www.epa.gov/enviro/data-downloads>](https://www.epa.gov/enviro/data-downloads) | [Widgets <https://www.epa.gov/enviro/widgets>](https://www.epa.gov/enviro/widgets) | [Services <https://www.epa.gov/enviro/web-services>](https://www.epa.gov/enviro/web-services) | [Mobile <https://www.epa.gov/enviro/uv-index-mobile-app>](https://www.epa.gov/enviro/uv-index-mobile-app) | [Other Datasets <https://epa.gov/node/111331>](https://epa.gov/node/111331)

Only RCRAInfo facility information was searched to select facilities[<< Return](#)**Search Parameters: ZIP Code:** 00921**City Name:** San Juan**State Abbreviation:** PR**Sites:** Only Active**Handler Type:** SUBJCA

Results are based on data extracted on OCT-25-2021

No Results found.

--

CTS Group, Inc.

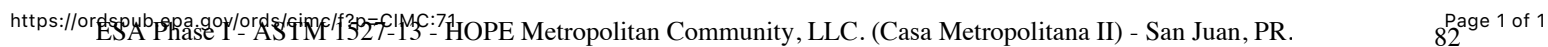
Total Number of Facilities Retrieved: 0

Data Refresh Information

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

Appendix VI

EPA Brownfield's Grants



You are here: [EPA Home](#)>>[Cleanups](#)>>Cleanups In My Community (CIMC)
[Share](#) [Contact Us](#)

Cleanups and Grants Listing Page

Use this page to get a listing of cleanups or grant areas in the geographic area you define.

Step 1 - Define your geographic area of interest.

Complete the boxes below from left to right, choosing options and entering names or numbers.

Zip Code (Cleanups Or

Step 2 – Choose your search type.

Choose a Basic or Advanced search for Cleanups, or the search option for Brownfields Grant Jurisdictions. You can click on each option to see what additional choices each search type provides.

☐ Basic Filters ☐ Advanced Filters ☐ Grants Filters ☐ RE-Powering Filters

Step 3 - Choose programs and/or other specific filters within your search type, and then click the "Apply" button.

Basic Filters

Apply

All Cleanups☒

CMP-10-021

<input checked="" type="checkbox"/> CTS Group, Inc. Brownfields Properties	<input checked="" type="checkbox"/> RCRA Hazardous Waste - Corrective Actions	<input checked="" type="checkbox"/> Superfund NPL Sites	<input checked="" type="checkbox"/> Responses
<input checked="" type="checkbox"/> Assessment Grants <input checked="" type="checkbox"/> Assessment Pilots <input checked="" type="checkbox"/> Cleanup Grants <input checked="" type="checkbox"/> RLF Grants <input checked="" type="checkbox"/> RLF Pilots <input checked="" type="checkbox"/> Multi-Purpose Grants <input checked="" type="checkbox"/> Area-Wide Grants <input checked="" type="checkbox"/> State and Tribal 128(a) Grants <input checked="" type="checkbox"/> State and Tribal 128(a) Pilots <input checked="" type="checkbox"/> Showcase Community <input checked="" type="checkbox"/> Targeted Brownfields Assessments	<input checked="" type="checkbox"/> Current Corrective Action <input checked="" type="checkbox"/> Remedy Selected <input checked="" type="checkbox"/> Construction Complete <input checked="" type="checkbox"/> Remedy Action Complete <input checked="" type="checkbox"/> Remedy Not Yet Selected <input checked="" type="checkbox"/> Ready for Anticipated Use <input checked="" type="checkbox"/> Federal Agency Hazardous Waste Compliance Docket	<input checked="" type="checkbox"/> Proposed <input checked="" type="checkbox"/> Final <input checked="" type="checkbox"/> Deleted <input checked="" type="checkbox"/> Superfund Sites Targeted for Immediate, Intense Action <input checked="" type="checkbox"/> Superfund Alternative Approach (SAA) Agreement Sites <input checked="" type="checkbox"/> Superfund Non-NPL Sites	Response Type <input checked="" type="checkbox"/> Emergency <input checked="" type="checkbox"/> Non-Time-Critical <input checked="" type="checkbox"/> Pre-Deployment <input checked="" type="checkbox"/> PRP Oversight <input checked="" type="checkbox"/> Time-Critical <input checked="" type="checkbox"/> No Category Response Authority <input checked="" type="checkbox"/> CERCLA <input checked="" type="checkbox"/> CERCLA/OPA <input checked="" type="checkbox"/> CWA <input checked="" type="checkbox"/> OPA <input checked="" type="checkbox"/> Stafford Act <input checked="" type="checkbox"/> No Category Status <input checked="" type="checkbox"/> Active <input checked="" type="checkbox"/> Complete Incident Category <input checked="" type="checkbox"/> Removal Action <input checked="" type="checkbox"/> Removal Assessment <input checked="" type="checkbox"/> No Category
Acronyms RLF: Revolving Loan Fund NPL: National Priority List CWA: Clean Water Act OPA: Oil Pollution Act RCRA: Resource Conservation & Recovery Act BRAC: Base Realignment & Closure CERCLA: Comprehensive Environmental Response, Compensation, & Liability Act	<input checked="" type="checkbox"/> NPL Superfund <input checked="" type="checkbox"/> BRAC <input checked="" type="checkbox"/> RCRA <input checked="" type="checkbox"/> Other Docket Facilities <input checked="" type="checkbox"/> Federal Facilities <input checked="" type="checkbox"/> BRAC <input checked="" type="checkbox"/> Superfund <input checked="" type="checkbox"/> RCRA	<input checked="" type="checkbox"/> Assessment Needed or Ongoing <input checked="" type="checkbox"/> Not Eligible for the NPL/No Further Remedial Action Planned <input checked="" type="checkbox"/> Referred to Cleanup Program <input checked="" type="checkbox"/> Recovery Act (2009) <input checked="" type="checkbox"/> Brownfields Properties <input checked="" type="checkbox"/> Superfund	

- Click on the column header to sort in ascending or descending order.
- To directly view any profiles and reports available for a cleanup, click on the associated report(s) found in columns designated as "...Link"
- To see a map of a cleanup, click on the "Map It" link found in the "Map Site" column.
- To export /download the list of cleanups, click Actions (located below), then click Download and choose the report format.

- To add additional columns, click Actions, click Select Columns, then choose the column(s) from the left “Do Not Display” box and move them to the “Display in Report” box. Columns can be re-ordered by moving them up or down in the “Display in Report” box but return to the default order when opening a new session.

<div><div>Q</div><div>▼</div></div>			
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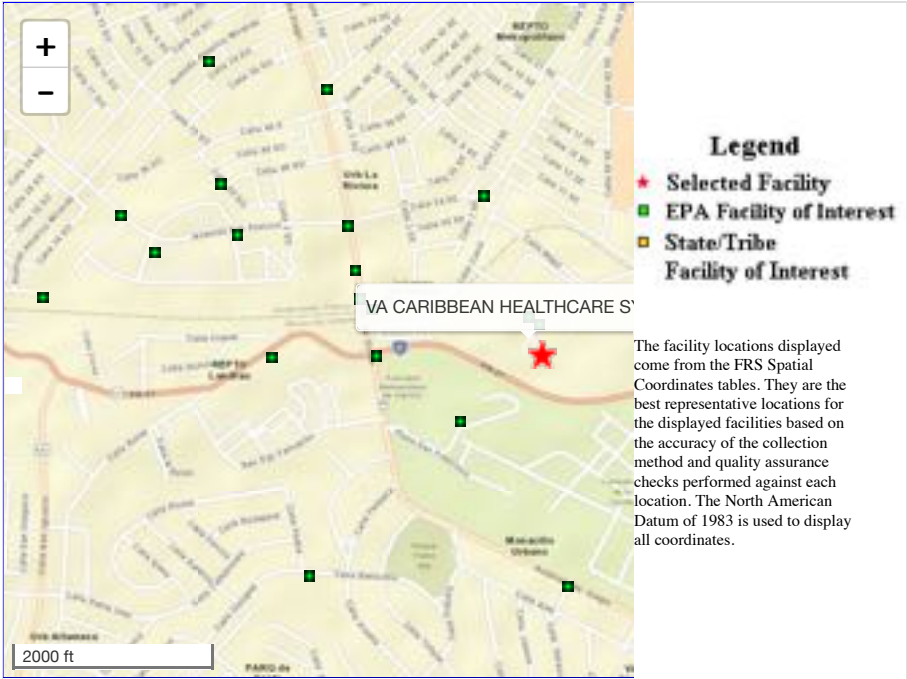
Related Topics: Envirofacts

FRS

FRS Facility Detail Report

VA CARIBBEAN HEALTHCARE SYSTEM

EPA Registry Id: 110037608283
10 CALLE CASIA, RIO PIEDRAS
SAN JUAN, PR 00921



Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

Report an Error

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	VETERANS AFFAIRS CARIBBEAN HEALTHCARE SYSTEM	PRU202505	ICIS-NPDES UNPERMITTED	ICIS		ICIS-ENFORCEMENT/COMPLIANC ACTIVITY
AIR FACILITY SYSTEM	VETERANS AFFAIRS CARIBBEAN HEALTHCARE	7212790001	AIR MINOR (OPERATING)	AIRS/AFS	12/22/2011	
NATIONAL COMPLIANCE DATABASE	SAN JUAN VA MEDICAL CENTER	I02#2001071720162 2	COMPLIANCE ACTIVITY	NCDB		
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	VA CARIBBEAN HEALTHCARE SYSTEM	PR3360090010	LQG (Y)	RCRAINFO		ICIS-ENFORCEMENT/COMPLIANC ACTIVITY
ICIS-AIR (AIR)	VETERANS AFFAIRS MEDICAL CENTER	PR0000007212790001	AIR SYNTHETIC MINOR	ICIS	05/11/2015	
NATIONAL COMPLIANCE DATABASE	SAN JUAN VA MEDICAL CENTER	I02#2001071720162 1	COMPLIANCE ACTIVITY	NCDB		
INTEGRATED COMPLIANCE INFORMATION SYSTEM	VETERANS AFFAIRS MEDICAL CENTER	3600719201	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	07/11/2017	
TOXICS RELEASE INVENTORY SYSTEM	VETERANS AFFAIR CARRIBEAN HEALTHCARE SYSTEMS	00921SVCRB1CASI	TRI REPORTER	TRIS		

Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report

Standard Industrial Classification Codes (SIC)

Data Source	SIC Code	Description	Primary
AIR	8062	GENERAL MEDICAL AND SURGICAL HOSPITALS	

CTS Group, Inc.

AIRS/AFS	8062	GENERAL MEDICAL AND SURGICAL HOSPITALS	
NCDB	8062	GENERAL MEDICAL AND SURGICAL HOSPITALS	
AIR	OWNE		
AIRS/AFS	OWNE		
NCDB	8062	GENERAL MEDICAL AND SURGICAL HOSPITALS	

Facility Codes and Flags

EPA Region:	02
Duns Number:	
Congressional District Number:	00
Legislative District Number:	-
HUC Code/Watershed:	21010005 / EASTERN PUERTO RICO
US Mexico Border Indicator:	
Federal Facility:	VETERANS AFFAIRS: VETERANS HEALTH ADMINISTRATIOIN
Tribal Land:	NO

Alternative Names

Alternative Name	Source of Data
SAN JUAN, PR	OIL
VETERANS AFFAIR CARRIBEAN HEALTHCARE SYSTEMS	TRI REPORTING FORM
DEPT OF VETERANS AFFAIRS VA MEDICAL CTR	RCRAINFO
VETERANS AFFAIRS MEDICAL CENTER	AIR
VETERANS AFFAIRS CARIBBEAN HEALTHCARE	CEDRI
VETERANS AFFAIRS CARIBBEAN HEALTHCARE SYSTEM	ICIS
VA CARIBBEAN HEALTHCARE	CEDRI
SAN JUAN VA MEDICAL CENTER	NCDB
VA CARIBBEAN HEALTHCARE SYSTEM/SAN JUAN VA MEDICAL CENTER	CERCLIS

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
OPERATOR	WILFREDO QUINONES		RCRAINFO	View
OWNER	DEPARTMENT OF VETERANS AFFAIRS		RCRAINFO	View
OPERATOR	JAIME MARRERO		RCRAINFO	
PARENT COMPANY	US DEPT OF VETERANS AFFAIRS		TRIS	


CMP-10-021

National Industry Classification System Codes (NAICS)					
Data Source	NAICS Code	Description	Primary		
RCRAINFO	622110	GENERAL MEDICAL AND SURGICAL HOSPITALS.			
TRIS	622110	GENERAL MEDICAL AND SURGICAL HOSPITALS.			
AIRS/AFS	622110	GENERAL MEDICAL AND SURGICAL HOSPITALS.			
AIR	622110	GENERAL MEDICAL AND SURGICAL HOSPITALS.			
Facility Mailing Addresses					
Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
OPERATOR	10 CASIA ST	SAN JUAN	PR	00921	RCRAINFO
MAILING ADDRESS	10 CASIA ST.	SAN JUAN	PR	00921-3201	TRIS
REGULATORY CONTACT	10 CASIA ST.	SAN JUAN	PR	00921-3201	RCRAINFO
FACILITY MAILING ADDRESS	10 CALLE CASIA, RIO PIEDRAS	SAN JUAN	PR	00921	AIRS/AFS
OWNER	10 CASIA ST.	SAN JUAN	PR	00921-3201	RCRAINFO
FACILITY MAILING ADDRESS	10 CALLE CASIA, RIO PIEDRAS	SAN JUAN	PR	00921	AIR
FACILITY MAILING ADDRESS	10 CASIA ST.	SAN JUAN	PR	00921	RCRAINFO
Contacts					
Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	
PUBLIC CONTACT	ENGINEER JAIME MARRERO P.E	7876417582	TRIS		
REGULATORY CONTACT	VEDA CRUZ	787-641-7582 X10248	RCRAINFO	View	

Query executed on: OCT-27-2021

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Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

FRS Facility Detail Report

SUIZA DAIRY

EPA Registry Id: 110001660131
51 AVE DE DIEGO URB RIO PIEDRAS
SAN JUAN, PR 00921



Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

Report an Error

Environmental Interests						
Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
NATIONAL COMPLIANCE DATABASE	SUIZA DAIRY CORP	I02#19880425PR001 1	COMPLIANCE ACTIVITY	NCDB		
TOXICS RELEASE INVENTORY SYSTEM	SUIZA DAIRY CORP	00936SZDRYAVEDE	TRI REPORTER	TRIS	05/25/2016	ICIS-02-2014-4302 FORMAL ENFORCEMENT ACTION ICIS-ENFORCEMENT/COMPLIANCI ACTIVITY
INTEGRATED COMPLIANCE INFORMATION SYSTEM	SUIZA DAIRY	1400002211	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	09/09/2008	
INTEGRATED COMPLIANCE INFORMATION SYSTEM	SUIZA DAIRY CORPORATION	32909	FORMAL ENFORCEMENT ACTION	ICIS	10/09/2007	ICIS-02-2007-1008 FORMAL ENFORCEMENT ACTION ICIS-02-1996-0136 FORMAL ENFORCEMENT ACTION ICIS-02-1996-0119 FORMAL ENFORCEMENT ACTION ICIS-02-2007-2019 FORMAL ENFORCEMENT ACTION
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	SUIZA DAIRY	PRR05BN80	ICIS-NPDES MINOR	ICIS		ICIS-ENFORCEMENT/COMPLIANCI ACTIVITY
INTEGRATED COMPLIANCE INFORMATION SYSTEM	SUIZA DAIRY CORPORATION	1800043830	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	02/19/2010	

CTS Group, Inc.			CMP-10-021			
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	SUIZA DAIRY - RIO PIEDAS	PRD987373230	UNSPECIFIED UNIVERSE (N)	RCRAINFO		
ICIS-AIR (AIR)	SUIZA DAIRY	PR000110001660131	AIR MINOR	ICIS	12/14/2018	
INTEGRATED COMPLIANCE INFORMATION SYSTEM	SUIZA DAIRY	1400002208	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	09/09/2008	
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	SUIZA DAIRY CORPORATION	PRR053018	STORM WATER INDUSTRIAL	ICIS	07/27/2021	ICIS-ENFORCEMENT/COMPLIANCI ACTIVITY
INTEGRATED COMPLIANCE INFORMATION SYSTEM	SUIZA DAIRY CORPORATION	32909	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	03/28/2005	ICIS-02-2007-1008 FORMAL ENFORCEMENT ACTION ICIS-02-1996-0136 FORMAL ENFORCEMENT ACTION ICIS-02-2007-2019 FORMAL ENFORCEMENT ACTION ICIS-02-1996-0119 FORMAL ENFORCEMENT ACTION
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	SUIZA DAIRY	PRR05BN80	STORM WATER INDUSTRIAL	ICIS		ICIS-ENFORCEMENT/COMPLIANCI ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	SUIZA DAIRY CORPORATION	PRR053018	ICIS-NPDES NON-MAJOR	ICIS	07/27/2021	ICIS-ENFORCEMENT/COMPLIANCI ACTIVITY
RISK MANAGEMENT PLAN	SUIZA DAIRY CORPORATION	100000203861	RMP REPORTER	RMP	09/11/2013	ICIS-ENFORCEMENT/COMPLIANCI ACTIVITY ICIS-02-2009-0026 FORMAL ENFORCEMENT ACTION
COMPLIANCE AND EMISSIONS DATA REPORTING INTERFACE	SUIZA DAIRY CORPORATION	CEDRI89121	COMPLIANCE AND EMISSIONS REPORTING	CEDRI	11/30/2015	
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)				
Data Source	SIC Code	Description	Primary	
TRIS	2026	FLUID MILK		
NPDES	2026	FLUID MILK		
Facility Codes and Flags				
EPA Region:	02			
Duns Number:	90085531			
Congressional District Number:	00			
Legislative District Number:	-			
HUC Code/Watershed:	21010005 / EASTERN PUERTO RICO			
US Mexico Border Indicator:				
Federal Facility:	NO			
Tribal Land:	NO			
Alternative Names				
Alternative Name		Source of Data		
SUIZA DAIRY CORP		TRI REPORTING FORM		
SUIZA DAIRY CORP DBA NEVA PLASTIC MANUFACTURING		FRS		
SUIZA DAIRY - RIO PIEDAS		RCRAINFO		
Organizations				
Affiliation Type	Name	DUNS Number	Information System	Mailing Address
PARENT COMPANY I	GRUPO GLORIA HOLDING CO.		RMP	
OPERATOR	SUIZA DAIRY CORP		RCRAINFO	
OWNER	SUIZA DAIRY CORP		RCRAINFO	
PARENT COMPANY	GRUPO GLORIA HOLDING CO.		TRIS	
OWNER/OPERATOR	SUIZA DAIRY INC.	90085531	RMP	
PREPARER	BERNABE MARTIR		RMP	View


National Industry Classification System Codes (NAICS)					
Data Source	NAICS Code	Description	Primary		
RMP	311421	FRUIT AND VEGETABLE CANNING.			
RMP	311511	FLUID MILK MANUFACTURING.			
TRIS	311511	FLUID MILK MANUFACTURING.			
TRIS	311421	FRUIT AND VEGETABLE CANNING.			
Facility Mailing Addresses					
Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
MAILING ADDRESS	P.O. BOX 363207	SAN JUAN	PR	009363207	TRIS
FACILITY MAILING ADDRESS	P.O. BOX 363207	SAN JUAN	PR	009363207	RCRAINFO
MAILING ADDRESS	PO BOX 363207	SAN JUAN	PR	00936-3207	TRIS
PREPARER	P.O. 1422	BARCELONETA	PR	00617	RMP
Contacts					
Affiliation Type	Full Name		Office Phone	Information System	Mailing Address
TECHNICAL CONTACT	DR. EDGAR HERNANDEZ		7877612385	TRIS	

Query executed on: OCT-27-2021

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Appendix VII

EPA Safe Drinking Water Information System (SDWIS)

Report Filters

Submission Year is **2021** and Quarter is **3** and Primacy Agency is **(PR)** and Activity Status is **A** and City Served is **San Juan**

CTS Group, Inc.	community system					CMP-10-021	
						976,319	

1 - 3 of 3

Report runtime 0.54 seconds.

Discover.

Accessibility

EPA Administrator

Budget & Performance

Contracting

Grants

January 19, 2017 Web Snapshot

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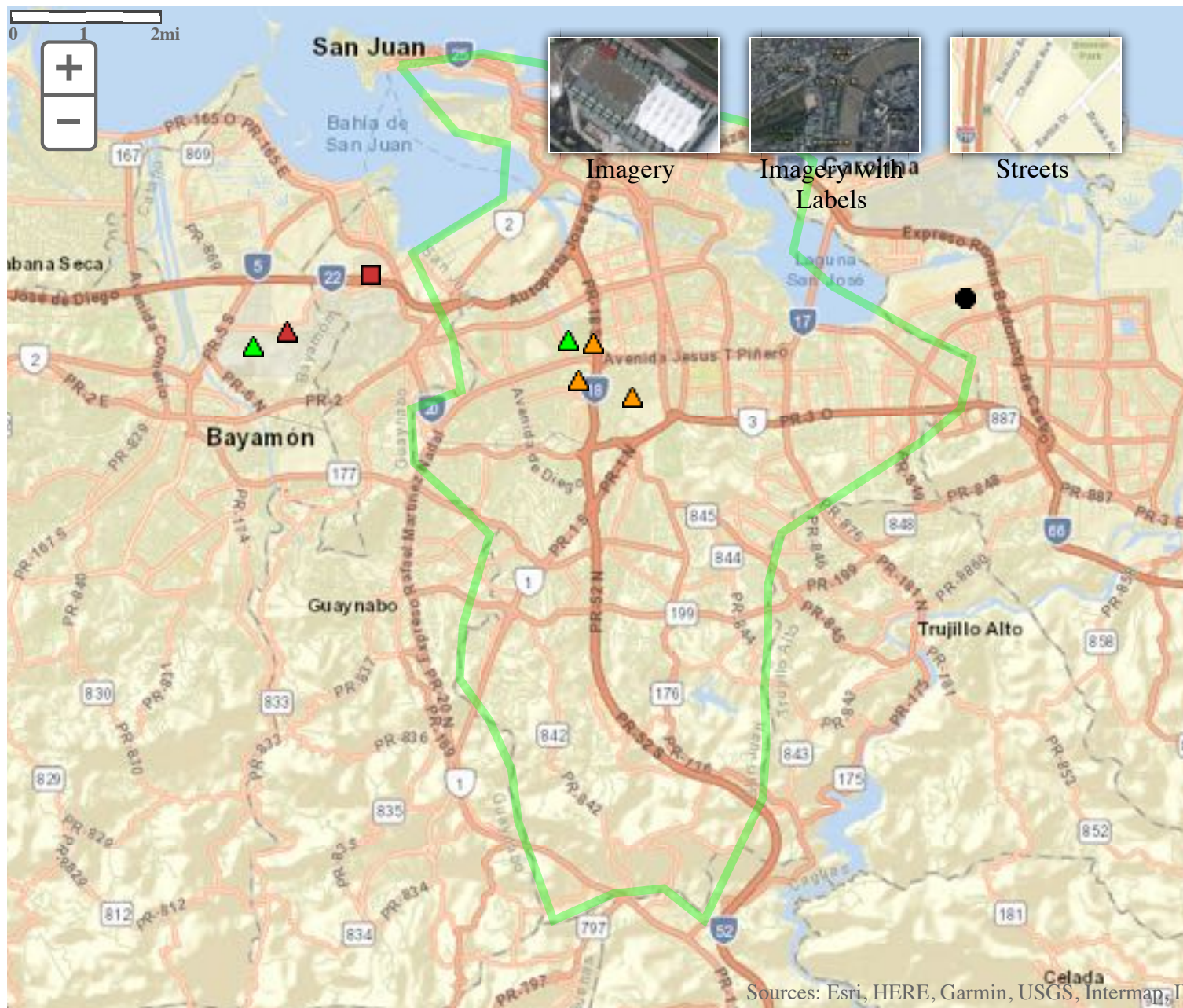
Frequent Questions

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LAST UPDATED ON MAY 19, 2017

Appendix VIII

US Geological Survey (USGS)



Sources: Esri, HERE, Garmin, USGS, Intermap, I

*References to non-Department of the Interior (DOI) products do not constitute an endorsement by the DOI.

Explanation - Percentile classes (symbol color based on most recent measurement)							
Low	<10 Much Below Normal	10-24 Below Normal	25-75 Normal	76-90 Above Normal	>90 Much Above Normal	High	Not Ranked

Wells Springs		(on/off)
		Real Time
		Continuous
		Periodic Measurement

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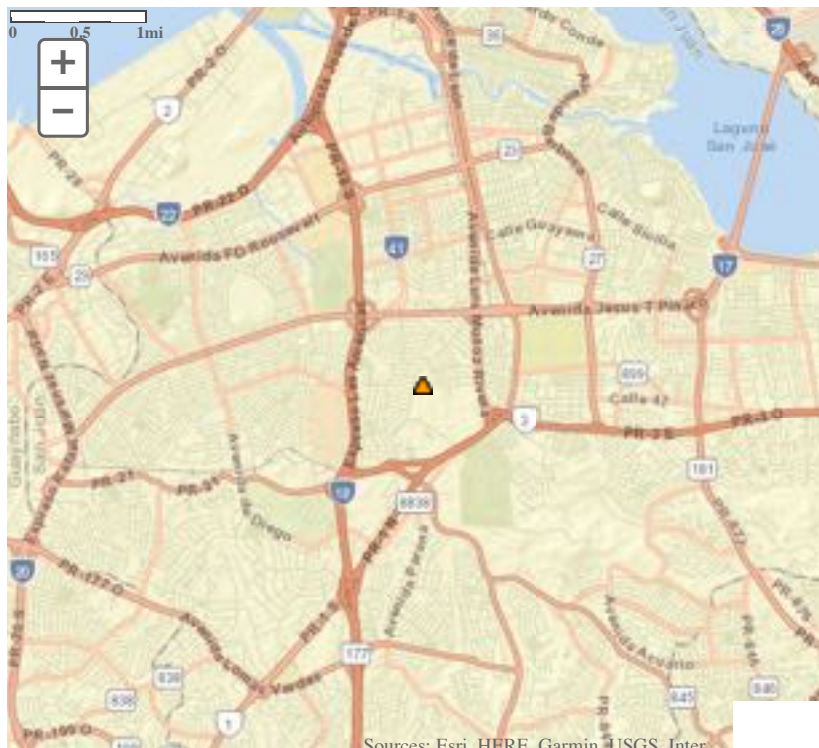


Groundwater Watch

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Site Number: 182406066034700 - PIEZOMETER JARDIN BOTANICO III-19 SAN JUAN, PR



DESCRIPTION:

Latitude 18°24'06", Longitude 66°03'47" NAD27
San Juan Municipio, Puerto Rico, Hydrologic Unit 21010005
Well depth: 48 feet
Hole depth: 48 feet
Land surface altitude: 32feet above NGVD29.
Well completed in "North Coast Limestone aquifer system (Puerto Rico)" (N400NCSTLM) national aquifer.
Well completed in "Valley Alluvium" (111VLAV) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Daily Data			
Depth to water level, feet below land surface	1991-06-13	2002-10-17	4023
Field groundwater-level measurements	1989-03-31	2021-09-01	295
Field/Lab water-quality samples			
Water-Year Summary	2006	2013	7

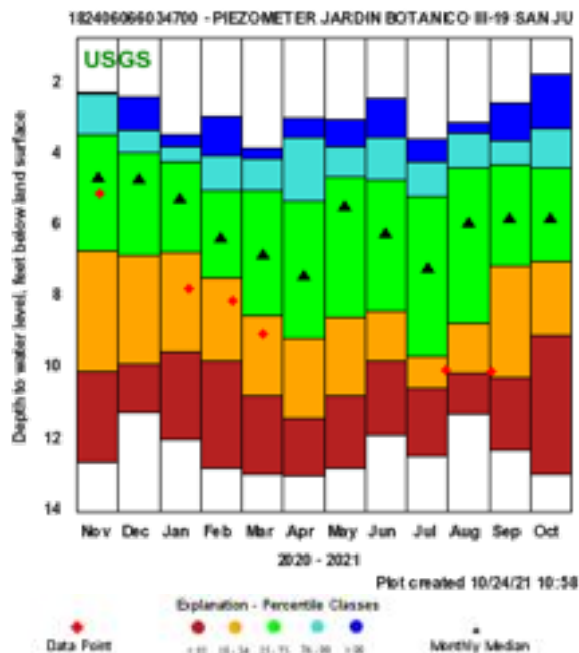
Additional Data Sources	Begin Date	End Date	Count
Groundwater Watch **offsite**	1989	2021	4316

OPERATION:

Record for this site is maintained by the USGS Puerto Rico Water Science Center
Email questions about this site to [Puerto Rico Water Science Center Water-Data Inquiries](#)

[Groundwater Watch Help Page](#)

Site Statistics



Most recent data value: 10.17 on 9/1/2021
Period of Record Monthly Statistics for 182406066034700
Depth to water level, feet below land surface
All Approved Continuous & Periodic Data Used In Analysis
Note: **Highlighted** values in the table indicate closest statistic to the most recent data value.

Month	Lowest Median	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	Highest Median	Number of Years
Jan	12.06	9.59	6.80	5.32	4.26	3.83	3.51	27
Feb	12.88	9.87	7.53	6.41	5.08	4.08	2.99	26
Mar	13.04	10.83	8.58	6.88	5.08	4.18	3.87	27
Apr	13.09	11.46	9.20	7.48	5.36	3.57	3.04	25
May	12.87	10.84	8.61	5.55	4.67	3.82	3.09	28
Jun	11.91	9.86	8.44	6.29	4.78	3.60	2.50	29
Jul	12.52	10.63	9.74	7.26	5.25	4.25	3.61	27
Aug	11.34	10.21	8.78	5.98	4.45	3.44	3.18	26
Sep	12.34	10.30	7.18	5.86	4.33	3.68	2.63	27
Oct	13.05	9.12	7.04	5.86	4.45	3.34	1.79	27
Nov	12.71	10.17	6.78	4.72	3.50	2.36	2.33	24
Dec	11.30	9.92	6.87	4.76	4.02	3.38	2.45	23

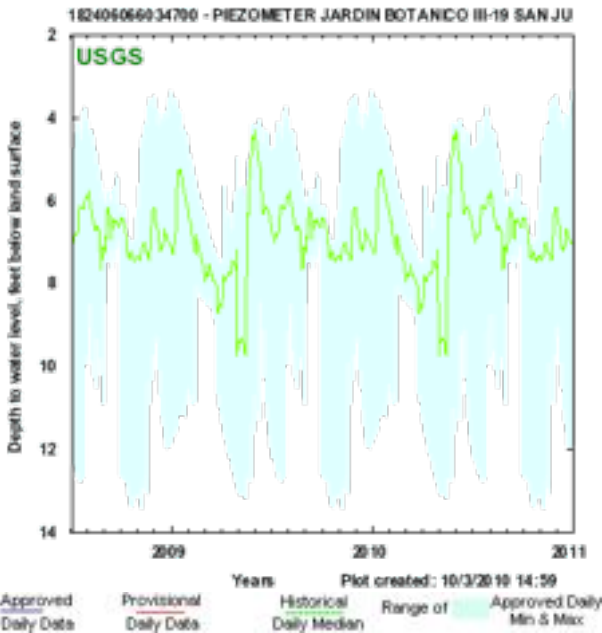
Statistics Options

View month/year statistics

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CMP-10-021

Daily Groundwater Data



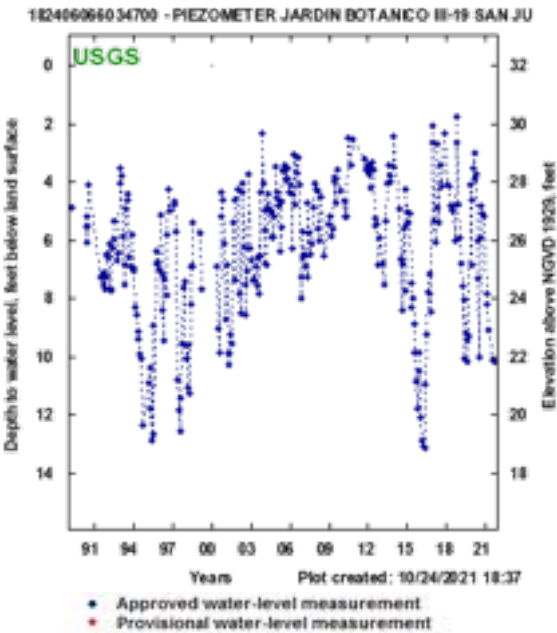
Most recent Approved daily data value: 3.55 on 10/17/02
Summary for Period of Continuous Record
Depth to water level, feet below land surface
Approved Daily Values Data Used in Analysis

Begin Date	End Date				Days				% Complete
06/13/91	10/17/02				4,023				97
Lowest Level	5th %ile	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	95th %ile	Highest Level	
13.43	11.90	10.91	9.10	7.10	5.49	4.33	3.84	2.10	

Daily Data Options

- View data in calendar format
- Download data in text format
- View daily medians

Periodic Groundwater Data



Summary for Period of Record Periodic Water Levels
Depth to water level, feet below land surface
Approved Periodic Water Level Values

Begin Date		End Date		Number of Values	
03/31/89		09/01/21		293	
Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL		
1.79	10/23/18	13.09	04/25/16		

Groundwater Levels Options

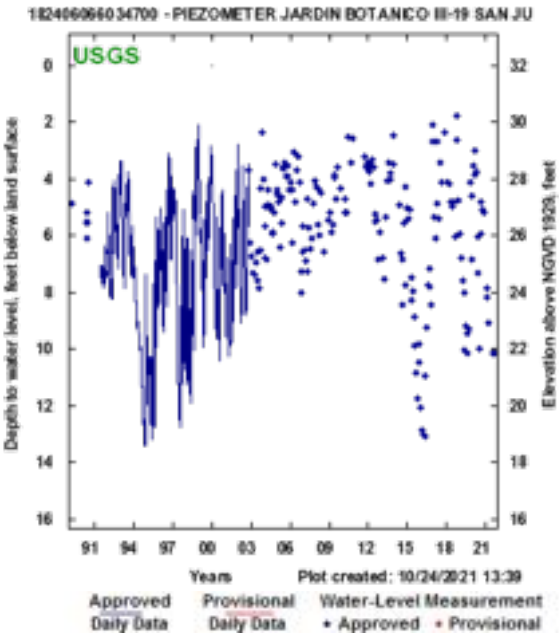
- View latest data on NWISWeb
- Download groundwater levels in text format

Note: The most recent measurement on 09/01/2021 has the following status:

Period of Record - All Data Types

Summary for Period of Record - All Data Types

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CMP-10-021
Depth to water level, feet below land surface

Begin Date		End Date	Number of Values
03/31/89		09/01/21	4,317
Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL
1.79	10/23/18	13.43	11/08/94

Period of Record Options

- View latest data on NWISWeb for all data types
- View month/year statistics
- Download groundwater levels in text format of all data types

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URL: <https://groundwaterwatch.usgs.gov/AWLSites.asp>
Last update: Monday, March 8, 2021 at 15:43
Page Contact Information: [Contact the GroundWater Watch Support Team](#)



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CMP-10-021

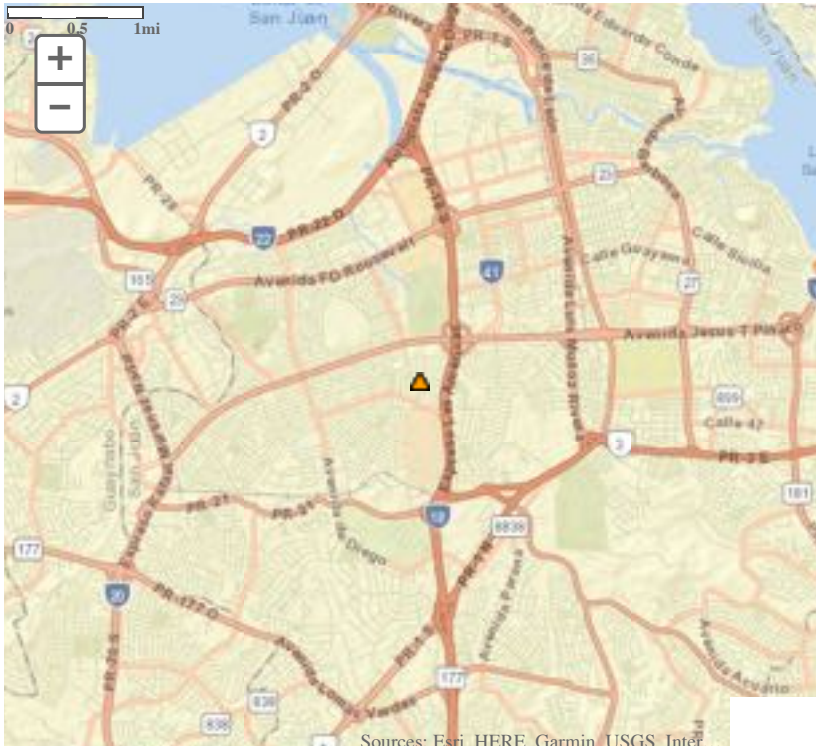


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Site Number: 182417066042701 - PIEZOMETER LAS AMERICAS II-10, SAN JUAN, PR



DESCRIPTION:

Latitude 18°24'17", Longitude 66°04'27" NAD27
 San Juan Municipio, Puerto Rico, Hydrologic Unit 21010005
 Well depth: 52.0 feet
 Hole depth: 52.0 feet
 Land surface altitude: 23.69feet above NGVD29.
 Well completed in "North Coast Limestone aquifer system (Puerto Rico)" (N400NCSTLM) national aquifer.
 Well completed in "North Coast Limestone Aquifer, Upper" (122NRCSU) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1989-06-21	2021-09-17	111
Field/Lab water-quality samples			

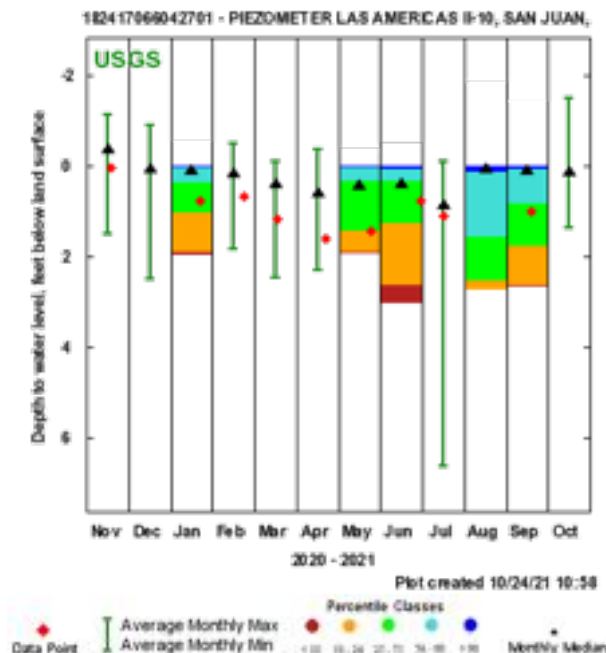
Additional Data Sources	Begin Date	End Date	Count
Groundwater Watch **offsite**	1989	2021	110
Annual Water-Data Report (pdf) **offsite**	2012	2013	2

OPERATION:

Record for this site is maintained by the USGS Puerto Rico Water Science Center
 Email questions about this site to [Puerto Rico Water Science Center Water-Data Inquiries](#)

[Groundwater Watch Help Page](#)

Site Statistics



Most recent data value: **1.02** on 9/17/2021
 Period of Record Monthly Statistics for 182417066042701
 Depth to water level, feet below land surface
 All **Approved** Continuous & Periodic Data Used In Analysis
 Note: **Highlighted** values in the table indicate closest statistic to the most recent data value.

Month	Lowest Median	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	Highest Median	Number of Years
Jan	1.46	1.39	0.53	0.11	-0.12	-0.48	-0.51	10
Feb	1.85	-	-	-	-	-	-0.50	8
Mar	2.47	-	-	-	-	-	-0.10	9
Apr	2.29	-	-	-	-	-	-0.35	7
May	1.58	1.57	1.10	0.43	-0.00	-0.32	-0.35	10
Jun	2.57	2.15	0.78	0.40	-0.15	-0.42	-0.48	12
Jul	6.63	-	-	-	-	-	-0.09	8
Aug	0.92	0.91	0.72	0.09	-0.25	-1.69	-1.82	10
Sep	1.30	1.27	0.38	0.10	-0.55	-1.31	-1.38	10
Oct	1.37	-	-	-	-	-	-1.50	7
Nov	1.49	-	-	-	-	-	-1.13	9
Dec	2.52	-	-	-	-	-	-0.88	6

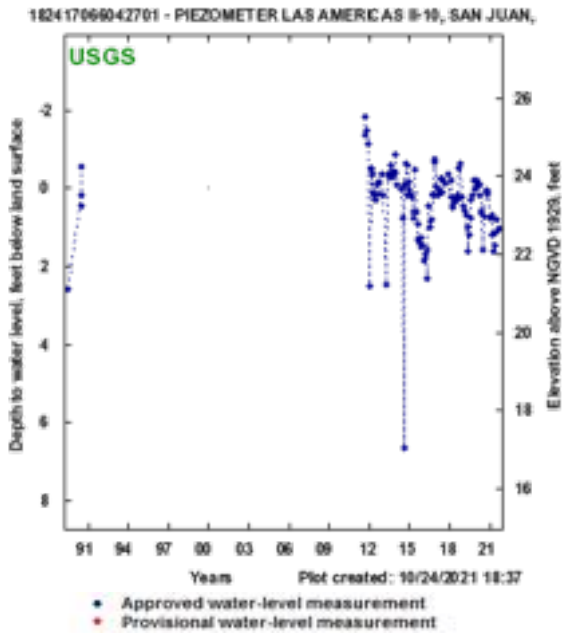
As of 10/23/2021 20:41-2

[Statistics Options](#)[View month/year statistics](#)

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CMP-10-021

Periodic Groundwater Data



Summary for Period of Record Periodic Water Levels

Depth to water level, feet below land surface

Approved Periodic Water Level Values

Begin Date		End Date		Number of Values	
06/21/89		09/17/21		111	
Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL		
-1.82	08/30/11	6.63	07/30/14		



Groundwater Levels Options



View latest data on NWISWeb



Download groundwater levels in text format

Note: The most recent measurement on 09/17/2021 has the following status:

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URL: <https://groundwaterwatch.usgs.gov/AWLSites.asp>

Last update: Monday, March 8, 2021 at 15:43

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CMP-10-021

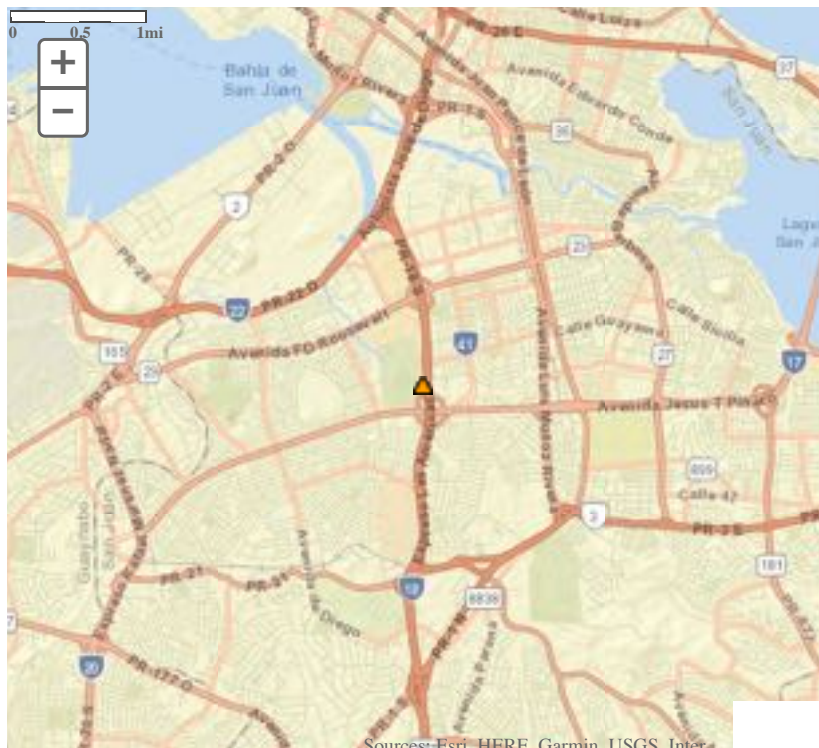


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Site Number: 182443066041502 - PIEZOMETER MUNOZ MARIN 1C-8, SAN JUAN, PR



DESCRIPTION:

Latitude 18°24'43", Longitude 66°04'15" NAD27
San Juan Municipio, Puerto Rico, Hydrologic Unit 21010005
Well depth: 40.0 feet
Hole depth: 40.0 feet
Land surface altitude: 16.0feet above NGVD29.
Well completed in "North Coast Limestone aquifer system (Puerto Rico)" (N400NCSTLM) national aquifer.
Well completed in "North Coast Limestone Aquifer, Upper" (122NRCSU) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Daily Data			
Depth to water level, feet below land surface	1989-05-13	2002-09-12	4437
Field groundwater-level measurements	1989-02-09	2021-09-17	260
Field/Lab water-quality samples			
Water-Year Summary	2012	2013	2

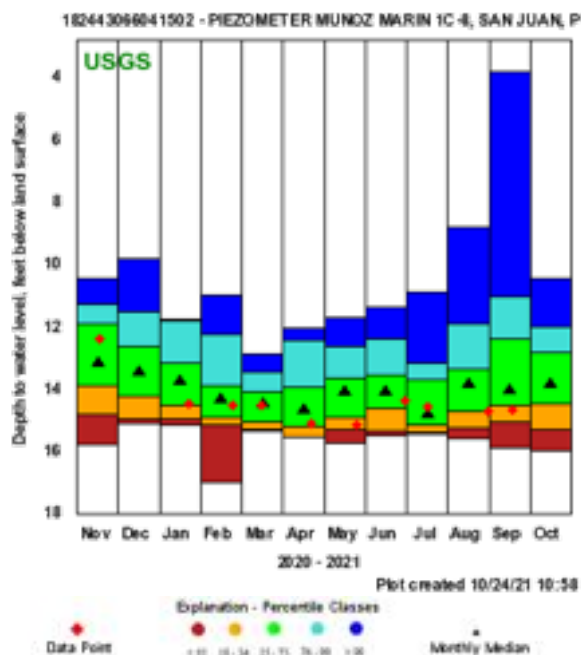
Additional Data Sources	Begin Date	End Date	Count
Groundwater Watch **offsite**	1989	2021	4691

OPERATION:

Record for this site is maintained by the USGS Puerto Rico Water Science Center
Email questions about this site to [Puerto Rico Water Science Center Water-Data Inquiries](#)

[Groundwater Watch Help Page](#)

Site Statistics



Most recent data value: 14.69 on 9/17/2021
Period of Record Monthly Statistics for 182443066041502
Depth to water level, feet below land surface
All Approved Continuous & Periodic Data Used In Analysis
Note: **Highlighted** values in the table indicate closest statistic to the most recent data value.

Month	Lowest	10th	25th	50th	75th	90th	Highest	Number of Years
	Median	%ile	%ile	%ile	%ile	%ile	Median	
Jan	15.18	14.99	14.52	13.79	13.18	11.82	11.80	22
Feb	17.03	15.15	14.94	14.36	13.93	12.26	11.03	22
Mar	15.36	15.34	15.08	14.47	14.09	13.46	12.88	21
Apr	15.58	15.54	15.23	14.70	13.94	12.47	12.06	18
May	15.73	15.33	14.94	14.09	13.68	12.63	11.72	24
Jun	15.51	15.39	14.62	14.12	13.58	12.41	11.41	24
Jul	15.45	15.40	15.17	14.84	13.74	13.21	10.90	22
Aug	15.62	15.25	14.74	13.86	13.36	11.95	8.81	24
Sep	15.90	15.07	14.54	14.04	12.41	11.04	3.82	23
Oct	15.98	15.32	14.51	13.86	12.84	12.03	10.49	20
Nov	15.78	14.81	13.90	13.17	11.91	11.29	10.49	22
Dec	15.12	14.99	14.24	13.48	12.67	11.53	9.82	18

Statistics Options

View month/year statistics

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CMP-10-021

Daily Groundwater Data

Most recent Approved daily data value: **14.80** on **09/12/02**
Summary for Period of Continuous Record
Depth to water level, feet below land surface
Approved Daily Values Data Used in Analysis

Begin Date	End Date				Days				% Complete
05/13/89	09/12/02				4,437				91
Lowest Level	5th %ile	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	95th %ile	Highest Level	
16.18	15.50	15.34	15.00	14.31	13.60	12.72	12.07	-7.28	

Daily Data Options

- View data in calendar format
- Download data in text format
- View daily medians

No Plot Available

Periodic Groundwater Data

Summary for Period of Record Periodic Water Levels
Depth to water level, feet below land surface

Approved Periodic Water Level Values

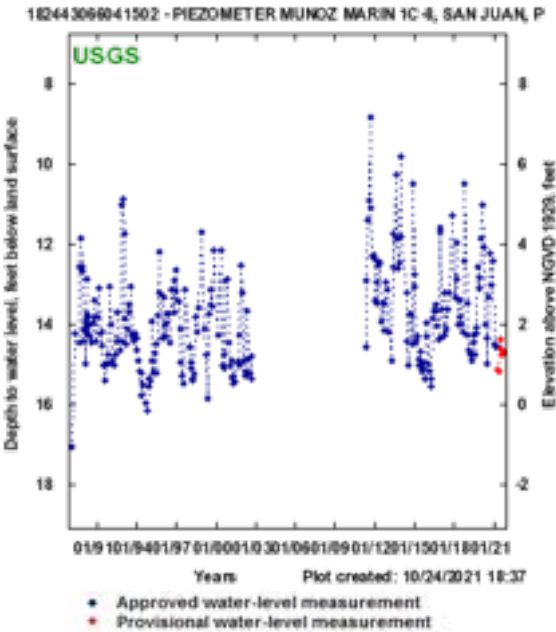
Begin Date		End Date	Number of Values
02/09/89		09/17/21	255
Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL
8.81	08/30/11	17.03	02/09/89

Groundwater Levels Options

- View latest data on NWISWeb
- Download groundwater levels in text format

Note: The most recent measurement on 09/17/2021 has the following status:

..



Period of Record - All Data Types

Summary for Period of Record - All Data Types

CMP-10-021

Depth to water level, feet below land surface

Begin Date		End Date		Number of Values
02/09/89		09/17/21		4,693
Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL	
-7.28	09/22/98	17.03	02/09/89	



Period of Record Options



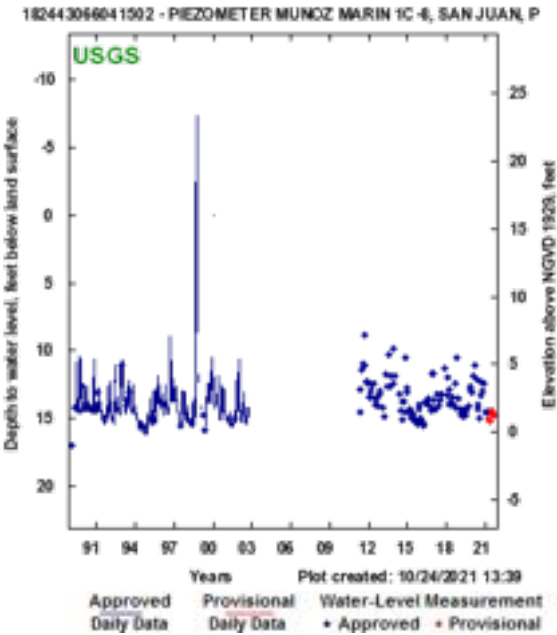
View latest data on NWISWeb for all data types



View month/year statistics



Download groundwater levels in text format of all data types



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Last update: Monday, March 8, 2021 at 15:43

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CTS Group, Inc.

CMP-10-021

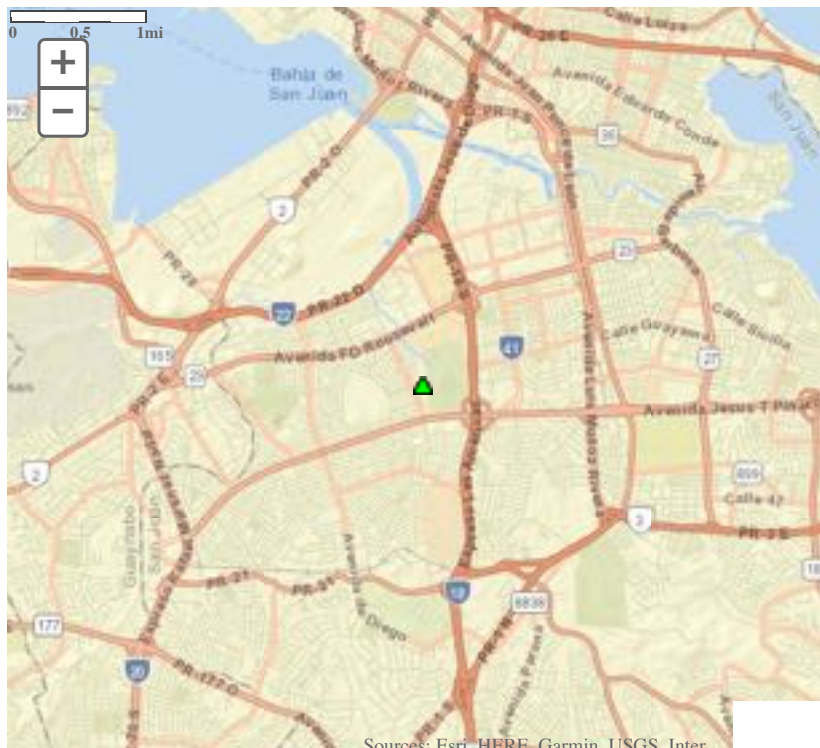


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Site Number: 182445066043401 - PIEZOMETER ALSACIA II-6 SAN JUAN, PR



DESCRIPTION:

Latitude 18°24'45", Longitude 66°04'34" NAD27
 San Juan Municipio, Puerto Rico, Hydrologic Unit 21010005
 Well depth: 27 feet
 Hole depth: 27 feet
 Land surface altitude: 11.5 feet above NGVD29.
 Well completed in "North Coast Limestone aquifer system (Puerto Rico)" (N400NCSTLM) national aquifer.
 Well completed in "Valley Alluvium" (111VLAV) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Daily Data			
Depth to water level, feet below land surface	1989-07-15	2002-10-04	3786
Field groundwater-level measurements	1989-07-06	2021-09-17	321
Field/Lab water-quality samples			
Water-Year Summary	2006	2013	8

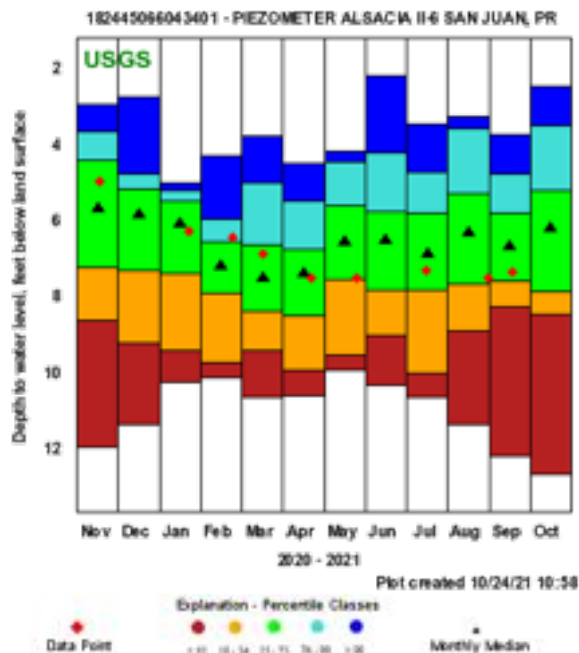
Additional Data Sources	Begin Date	End Date	Count
Groundwater Watch **offsite**	1989	2021	4101

OPERATION:

Record for this site is maintained by the USGS Puerto Rico Water Science Center
 Email questions about this site to [Puerto Rico Water Science Center Water-Data Inquiries](#)

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Site Statistics



Most recent data value: 7.34 on 9/17/2021
Period of Record Monthly Statistics for 182445066043401
Depth to water level, feet below land surface
All Approved Continuous & Periodic Data Used In Analysis
 Note: **Highlighted** values in the table indicate closest statistic to the most recent data value.

Month	Lowest Median	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	Highest Median	Number of Years
Jan	10.27	9.40	7.41	6.09	5.49	5.21	5.01	28
Feb	10.14	9.74	7.92	7.18	6.56	5.97	4.30	24
Mar	10.63	9.40	8.40	7.50	6.63	5.01	3.78	26
Apr	10.61	9.94	8.51	7.40	6.77	5.50	4.49	24
May	9.95	9.53	7.55	6.55	5.61	4.46	4.18	29
Jun	10.33	9.03	7.82	6.52	5.75	4.21	2.19	28
Jul	10.65	10.02	7.83	6.88	5.82	4.74	3.44	27
Aug	11.36	8.90	7.68	6.31	5.27	3.59	3.26	28
Sep	12.21	8.25	7.57	6.69	5.79	4.76	3.72	27
Oct	12.67	8.46	7.86	6.18	5.21	3.48	2.47	25
Nov	11.97	8.63	7.24	5.69	4.41	3.64	2.95	25
Dec	11.36	9.23	7.33	5.83	5.17	4.75	2.73	24

[Statistics Options](#)

[View month/year statistics](#)

CTS Group, Inc.

CMP-10-021

Daily Groundwater Data

Most recent Approved daily data value: 6.49 on 10/04/02
Summary for Period of Continuous Record
Depth to water level, feet below land surface
Approved Daily Values Data Used in Analysis

Begin Date	End Date				Days				% Complete
07/15/89	10/04/02				3,786				78
Lowest Level	5th %ile	10th %ile	25th %ile	50th %ile	75th %ile	90th %ile	95th %ile	Highest Level	
13.60	10.65	10.09	8.76	7.80	6.86	5.83	5.22	3.11	

Daily Data Options

- View data in calendar format
- Download data in text format
- View daily medians

Periodic Groundwater Data

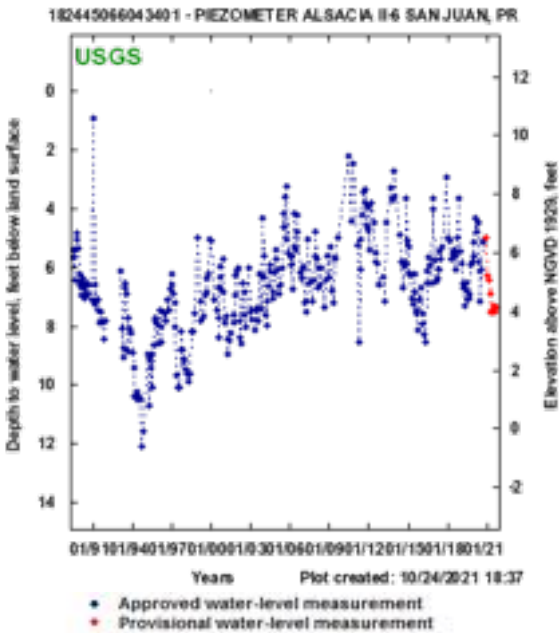
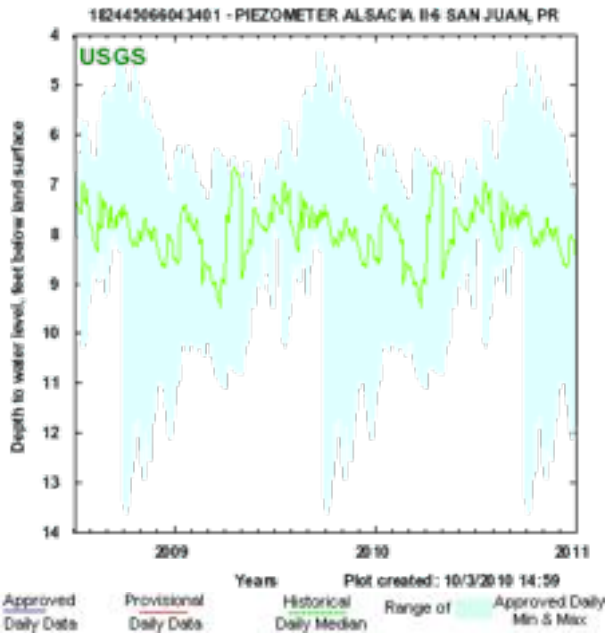
Summary for Period of Record Periodic Water Levels
Depth to water level, feet below land surface
Approved Periodic Water Level Values

Begin Date		End Date		Number of Values	
07/06/89		09/17/21		316	
Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL		
0.89	12/19/90	12.12	09/14/94		

Groundwater Levels Options

- View latest data on NWISWeb
- Download groundwater levels in text format

Note: The most recent measurement on 09/17/2021 has the following status:



Period of Record - All Data Types

Summary for Period of Record - All Data Types

CMP-10-021

Depth to water level, feet below land surface

Begin Date		End Date		Number of Values
07/06/89		09/17/21		4,103
Highest WL	Date of Highest WL	Lowest WL	Date of Lowest WL	
0.89	12/19/90	13.6	10/06/94	



Period of Record Options



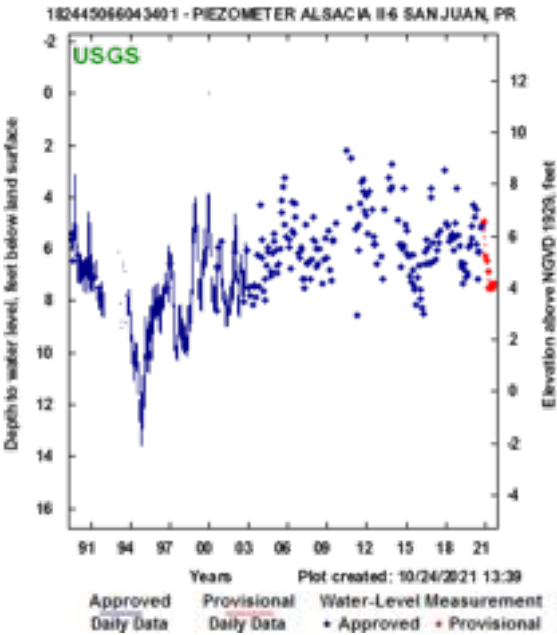
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View month/year statistics



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Last update: Monday, March 8, 2021 at 15:43

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Appendix IX

Leaking Underground Storage Tanks & Registered Underground Storage Tanks

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
Southwest health corporation	2-900064	Closure	HOSPITAL CENTRO DE SALUD SAN	JAVILLA STREET	San German	Other
JOSE E. FERRER ROMAN	2-910144	Amended	JOSE E. FERRER ROMAN- EST.2253	RD 102 KM 0.2	San German	Gas Station
FILIBERTO MARTINEZ RAMOS	2-860926	Amended	CHIN SHELL SERVICE STATION 00274	RD 102 KM 26.4	San German	Gas Station
CIA PETROLERA CARIBE INC	2-860739	Amended	Gasolineras CARIBE	RD #2 KM 171.6	San German	Gas Station
Arturo Alvarez	2-910108	Amended	Estacion #3310	LUNA ST. #15	San German	Gas Station
TEXACO PUERTO RICO INC	2-861857	Amended	MAYZIE GARCES # 613	LUNA ST. #123	San German	Gas Station
PUERTO RICO TELEPHONE CO	2-890063	Amended	SAN GERMAN C.O.	ESPERANZA ST. #1	San German	Utilities
PUERTO RICO TELEPHONE CO	2-890064	Closure	SAN GERMAN CELULAR (LA TEA)	RD 102 RAMAL 118 LA TEA	San German	Utilities
Autoridad de Energia Electrica	2-860754	Amended	TALLER DE MECANICA AUTOMOTRIZ	Carr. # 362 km. 0.0	San German	Utilities
COOPERVISION	2-860116	Closure	COOPERVISION PHARMACEUTICALS	STATE ROAD 362 KM. 9	San German	Industrial
HOSPITAL DE LA CONCEPCION	2-880075	Closure	HOSPITAL DE LA CONCEPCION	LUNA ST. # 41	San German	Other
JOSE A.LUGO RODRIGUEZ	2-900036	New	PANADERIA CARMEN	LUNA ST # 143	San German	Not Listed
Edificio San Vicente de paul	2-020036	Amended	Edificio San Vicente de Paul	Carr # 2 km 173.4	San German	Other
HOSPITAL DE LA CONCEPCION	2-020037	New	Hospital de la Concepcion	Carr # 2 km 173.4	San German	Other
Hector M. Lorenzo	2-980090	Amended	Garaje Texxas	Carr. 2 Km. 170.9	San German	Gas Station
COMPAÑIA DE FOMENTO	2-980032	Closure	DIGITAL (S-0373-0-56)	Calle A Parque Industrial Ernesto Quiñones	San German	Industrial
PUERTO RICO TELEPHONE CO	2-890009	Amended	HOCONUCO REMOTO	RD. 119 KM 4. 3	San German	Utilities
AUTORIDAD DE EDIFICIOS	2-020002	Closure	Cuartel de la Policia San German	Avenida Angel Castro Perez	San German	State Government
TEXACO PUERTO RICO INC	2-861854	Amended	EFRAIN SAMBOLIN S/S #638	LUNA ST. #8	San German	Gas Station
DIGITAL EQUIPMENT CORP.	2-860407	Closure	DIGITAL EQUIPMENT CORP.	RD 362 KM 1.0	San German	Industrial
DEPARTAMENTO DE EDUCACION	2-940230	Closure	ESC.LOLA RODRIGUEZ DE TIO	DR. VEVE AVE.	San German	State Government
TEXACO PUERTO RICO INC	2-861807	Amended	SAN GERMAN S/S #651	RD. 102, KM. 33.6	San German	Gas Station
TEXACO PUERTO RICO INC	2-861868	Amended	EDDIE RAMIREZ S/S #691	RD. #119, KM. 40.0	San German	Gas Station
Total Petroleum Puerto Rico Corp.	2-910100	Amended	Total #2293	RD 318 KM 1.9	San German	Gas Station
Victor Torres Perez	2-861204	Amended	Victory Midway S/S	RD. 2 KM. 177.2 Bo Guama	San German	Gas Station
SOL PUERTO LIMITED	2-860922	Amended	SHELL S/S #001058	JAVILLA ST. #12	San German	Gas Station
Carlos I. Rodriguez Martinez	2-861839	Amended	garaje IBO Inc (Ex #627)	RD 102 KM 36.6	San German	Gas Station
ESSO STANDARD OIL CO PR	2-861200	Amended	ESSO S/S CO-371	LUNA ST. #22	San German	Gas Station
UNIVERSIDAD INTERAMERICANA	2-940139	Closure	UNIVERSIDAD INTERAMERICANA DE	Calle Luna	San German	Other
SUPERMERCADO LOS PRIMOS INC.	2-900083	New	SUPERMERCADO LOS PRIMOS INC.	JAVILLA ST. #33	San German	Commercial
ESSO STANDARD OIL CO PR	2-861201	Amended	ESSO S/S CO-372	RD. 119, KM. 3	San German	Gas Station
Autoridad de Acueductos y	2-920064	Closure	PLANTA ALCANTARILLADO VIEJA SAN	RD. 360 KM. 1.4	San German	Utilities
Eduardo Ruiz Valentín	2-950075	Amended	All Star (Antes GOMERA DEL OESTE)	CARR. 114 KM. 13.5	San German	Gas Station
Caribbean Petroleum Corporation	2-860201	Closure	GULF S/S #183	ROAD #122	San German	Gas Station
AUTORIDAD DE CARRETERAS	2-930071	Amended	AUTORIDAD CARRETERAS	ESPERANZA ST. #1	San German	Gas Station
MUNICIPIO DE SAN GERMAN	2-940186	Amended	MUNICIPIO DE SAN GERMAN OBRAS	RD. 362 KM. 3.0	San German	State Government
WALLACE INTERNATIONAL OF PR	2-861986	Closure	WALLACE INTERNATIONAL OF PR INC	B STREET	San German	Not Listed
Total Petroleum Puerto Rico Corp.	2-910057	Amended	Total Petroleum #1116	RD.# 2 KM 174.3	San German	Gas Station
Caribbean Petroleum Corporation	2-860277	Amended	GULF S/S #056	Ave. A. Castro Carr. 122 Int. 362	San German	Gas Station
OFICINA DEL GOBERNADOR-	2-940123	Closure	OFICINA DEL GOBERNADOR-	La Fortaleza	San Juan	State Government
CIA PETROLERA CARIBE INC	2-970002	Amended	Truck Stop Caribe	Ave. C Zona Portuaria	San Juan	Gas Station
AUTORIDAD DE CARRETERAS	2-030016	Closure	Boulevard Baldorioty de Castro	Carr 26	San Juan	Other
Isabelo Molina	2-020027	Closure	Federación de Alcaldes	Ave. Ponce de León # 309	San Juan	Commercial
US ARMY CORPS OF ENGINEERS	2-970017	Closure	San Cristobal	Old San Juan	San Juan	Federal Non-Military

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
SOL PUERTO LIMITED	2-860807	Closure	P.H. INTERNATIONAL	EL CONVENTO HOTEL	San Juan	Other
EER ISUZU DE P.R., INC.	2-990060	Closure	EER ISUZU DE P.R., INC.	AVE. KENNEDY KM. 3.9	San Juan	Auto Dealership
SAN JUAN BAY MARINA	2-960030	New	SAN JUAN BAY MARINA	PDA. 10 1/2 AVE.FERNANDEZ JUNCOS	San Juan	Commercial
Autoridad de Vivienda Publica de P.R.	2-000039	Closure	Residencial Las Acacias	Ave. Fernández Juncos Esq. Matias Ledesma	San Juan	Other
CLUB NAUTICO DE SAN JUAN	2-910295	Amended	CLUB NAUTICO DE SAN JUAN	FERNANDEZ JUNCOS AVE. STOP 9 1/2	San Juan	Other
SOL PUERTO LIMITED	2-860774	Closure	ABARCA WAREHOUSE CORP.	MIRAMAR	San Juan	Not Listed
DEPT. OF HEALTH AND HUMAN	2-010016	Closure	FOOD & DRUG ADMINISTRATION	AVE. FERNANDEZ JUNCOS #466	San Juan	Federal Non-Military
Corporacion de Desarrollo Hotelero de	2-980035	Closure	Centro de Convenciones de San Juan	Ave. Ashford Condado	San Juan	Other
PUERTO RICO NATIONAL GUARD	2-960019	Closure	PR NATIONAL GUARD	AVE.FERNANDEZ JUNCOS STOP 22	San Juan	Federal Military
ESSO STANDARD OIL CO PR	2-861420	Closure	ANTILLES SHIPPING	PORT #8, FERNANDEZ JUNCOS AVE.	San Juan	Commercial
TRAILER MARINE TRANSPORT	2-880066	Closure	TRAILER MARINE TRANSPORT	ISLA GRANDE TERMINAL	San Juan	Other
ESSO STANDARD OIL CO PR	2-861422	Closure	UNIVERSAL AVIATION	ISLA GRANDE	San Juan	Not Listed
PUERTO RICO TELEPHONE CO	2-890092	Amended	Remoto Viejo San Juan	COVADONGA ST.	San Juan	Utilities
TEXACO PUERTO RICO INC	2-861582	Amended	Texaco Stop 6 1/2 S/S # 223	FERNANDEZ JUNCOS AVE. STOP 6 1/2	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860404	Amended	GULF S/ S #456	FERNANDEZ JUNCOS AVE. Puerta de Tierra	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861803	Closure	TEXACO PUERTO RICO INC.	MARINA #1	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861568	Closure	Texaco Puerta De Tierra S/S	FERNANDEZ JUNCOS AVE.&MARINA ST	San Juan	Gas Station
AUXILIO MUTUO HOSPITAL	2-880085	Closure	AUXILIO MUTUO HOSPITAL	PONCE DE LEON AVE.	San Juan	Other
AUTORIDAD DE EDIFICIOS	2-930047	Closure	EDIF. INTENDENTE A RAMIREZ	STOP 1 PASEO COVADONGA	San Juan	State Government
SOL PUERTO LIMITED	2-860876	Amended	SHELL S/S #000124	PONCE DE LEON AVE. #351 Pda 6 1/2	San Juan	Gas Station
TREBOL MOTORS	2-930072	New	TREBOL MOTORS	FERNANDEZ JUNCOS AVE. STOP 7 1/2	San Juan	Auto Dealership
Corporacion Desarrolladora de	2-030014	Amended	ACERVO	Ave. Barbosa	San Juan	Other
US COAST GUARD BASE SAN JUAN	2-861903	New	US COAST GUARD BASE SAN JUAN	Calle La puntilla #1	San Juan	Federal Non-Military
DEPARTAMENTO DE EDUCACION	2-950038	Closure	ESCUELA GUSTAVO ADOLFO	FRANCIA ST. CORNER ARECIBO	San Juan	State Government
ESSO STANDARD OIL CO PR	2-861073	Amended	ESSO S/S CO-005	PONCE DE LEON AVE. PDA. 5 Puerta de Tierra	San Juan	Gas Station
SOL PUERTO LIMITED	2-861013	Closure	SHELL SERVICE STATION #000043	FERNANDEZ JUNCOS AVE.	San Juan	Gas Station
PUERTO RICO TELEPHONE CO	2-890076	Closure	Antiguo Edificio Loteria	MUÑOZ RIVERA AVE., OLD BUILDING	San Juan	Utilities
ESSO STANDARD OIL CO PR	2-861121	Closure	ESSO SERVICE STATION CO 010	PONCE DE LEON AVE.	San Juan	Gas Station
PUERTO RICO TELEPHONE CO	2-890075	Closure	CASA GRANDE RSB	PONCE DE LEON AVE. STOP 16	San Juan	Utilities
MOTOROLA DE PUERTO RICO	2-920042	Closure	MOTOROLA	PASEO COVADONGA #150	San Juan	Industrial
US ARMY CORPS OF ENGINEERS	2-930033	Closure	US ARMY CORPS OF ENGINEERS	400 FERNANDEZ JUNCOS AVE	San Juan	Federal Non-Military
BANCO POPULAR DE P.R.	2-940196	Closure	BANCO POPULAR DE P.R.	MUÑOZ RIVERA AVE. #268	San Juan	Other
DEPARTAMENTO DE EDUCACION	2-940250	Closure	ESC. CENTRAL HIGH	PONCE DE LEON AVE.	San Juan	State Government
TEXACO PUERTO RICO INC	2-861557	Amended	Texaco- Hato Rey S/S #212	PONCE DE LEON AVE. #73 Hato Rey	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861271	Amended	Texaco # 320 Pedro Cabrera S/S	BARBOSA ST.	San Juan	Gas Station
SOL PUERTO LIMITED	2-860835	Closure	COOP. PESCADORES DE LA	LA PUNTILLA	San Juan	Not Listed
UNIVERSIDAD DE PUERTO RICO	2-861988	Closure	Universidad Puerto Rico-Recinto Rio	PONCE DE LEON AVE.	San Juan	Other
AUTORIDAD DE EDIFICIOS	2-930044	Closure	CENTRO JUDICIAL DE SAN JUAN	MUÑOZ RIVERA AVE.	San Juan	State Government
SOL PUERTO LIMITED	2-860629	Closure	SHELL SERVICE STATION #804770	COMERCIO ST. #40	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-860701	Closure	Texaco- Capital Transportation	KENNEDY AVE., RD. #2 KM 2.5	San Juan	Truck/Transporter
ESSO STANDARD OIL CO PR	2-861437	Amended	CARIBE HILTON HOTEL	SAN GERONIMO GROUNDS	San Juan	Commercial
SOL PUERTO LIMITED	2-860773	Closure	CLINICA JULIA	PONCE DE LEON AVE. #337	San Juan	Not Listed
SOL PUERTO LIMITED	2-860700	Closure	Shell Site PR. MARine Management	ZONA PORTUARIA	San Juan	Industrial
ESSO STANDARD OIL CO PR	2-861418	Closure	GOMEZ HNOS INC.	MUÑOZ RIVERA AVE. PDA. 35	San Juan	Auto Dealership

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
Mora Development SE	2-040006	Closure	Capitolio Plaza Project	Ave. Fernández Juncos Esq. Gilberto Concepción de	San Juan	Residential
SOL PUERTO LIMITED	2-860778	Closure	CARIBE MOTORS, INC.	MUÑOZ RIVERA AVE.	San Juan	Not Listed
GENERAL SERVICES ADM.	2-060003	Closure	Jose V Toledo Federal Building and	Calle Comercio Esq. Calle tanca	San Juan	Not Listed
US ARMY CORPS OF ENGINEERS	2-970016	Closure	El Morro	old San Juan	San Juan	Federal Non-Military
Total Petroleum Puerto Rico Corp.	2-910065	Closure	GPR 7	PONCE DE LEON AVE.	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861122	Amended	ESSO S/S CO-011	Calle Paz Granela # 1421 Urb Santiago iglesias	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860455	Amended	GULF S/S #069	RD 844 KM 2.1	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860258	Amended	GULF #027	RD. 176 KM. 1.5 Cupey Alto	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861144	Amended	ESSO S/S CO-218	RD. 842 KM. 1.2 BO.Caimito Abajo	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861143	Amended	ESSO S/S CO-209	CLAUDIO ST. #373 Urb. Sagrado Corazon	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860299	Amended	Gulf S/S #094	RD. 176, KM. 3.8 Cupey Alto	San Juan	Gas Station
Manuel Mejia	2-861742	Amended	VILLA ANDALUCIA S/S # 372	FRONTERA ST. CORNER RONDA ST.	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860316	Amended	GULF #116	Calle Emilio Pol Esq. Santa Rosa Centro Comercial La	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861135	Closure	ESSO SERVICE STATION COB 039	GUAYAMA ST.	San Juan	Gas Station
SOL PUERTO LIMITED	2-860660	Closure	SHELL SERVICE STATION #804746	MUÑOZ RIVERA AVE. #761	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861677	Closure	P.R. DRYDOCK MARINE CORP.	PIER #14	San Juan	Not Listed
HORACIO PASTRANA	2-860659	Closure	HORACIO PASTRANA S/S	DE DIEGO AVE.	San Juan	Gas Station
COND. VILLAS DEL SEÑORIAL	2-940049	New	COND. VILLAS DEL SEÑORIAL	WINSTON CHURCHILL AVE. #2413	San Juan	Other
FORMER U.S. NAVAL HOSPITAL	2-990044	Amended	FORMER U.S. NAVAL HOSPITAL	SAN PATRICIO HOUSING COMPOUND	San Juan	Other
JORGE ARGUELLES MORAN	2-860633	Amended	INTERISLAND PETROLEUM	RD. #1, KM. 22.0	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861272	Closure	ESSO S/S 77219	1 ST. CORNER TIZOL	San Juan	Gas Station
DE DIEGO APARTMENTS	2-940035	Closure	APARTAMENTOS DE DIEGO	DE DIEGO AVE. #575	San Juan	Residential
ESSO STANDARD OIL CO PR	2-861129	Amended	ESSO S/S CO-023	ROOSEVELT AVE. 1314	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861757	Amended	HYDE PARK S/S #200	MUÑOZ RIVERA AVE. #871	San Juan	Gas Station
Agustin Perez Rodriguez	2-861105	Amended	Ex ESSO S/S CO-182	Ave. 65 de Infantería km. 1.8 Urb San Agustin	San Juan	Gas Station
MUNICIPIO DE SAN JUAN / DPTO.	2-940293	Closure	COMPLEJO MEDICO SOCIAL-	AVE. 65 INFANTERIA DETRAS DEL PARQUE DE	San Juan	Local Government
SOL PUERTO LIMITED	2-860823	Closure	BORICUA MOTORS, INC.	KM. 3.7, 65 INFANTRY AVE.	San Juan	Not Listed
Pedro J. González	2-010017	Amended	Estación de Gasolina Independiente	Ave. Julio Andino # 582	San Juan	Gas Station
AUTORIDAD DE EDIFICIOS	2-010003	Closure	Escuela López Sicardo	Calle Lince Final	San Juan	State Government
MUNICIPIO DE SAN JUAN / DPTO.	2-940290	Closure	CSF DR. A. OLIVERAS GUERRA	CALLE 8 ESQ. 45	San Juan	Local Government
AMP INCORPORATED	2-861529	Closure	AMP INC/PAMCOR	DE DIEGO AVE 677	San Juan	Industrial
SOL PUERTO LIMITED	2-860827	Closure	CARIBBEAN STATIONARY	JULIA IND. PARK	San Juan	Not Listed
MUNICIPIO DE SAN JUAN	2-960042	Closure	Polideportivo de San Juan	Calle Montellanos Final Esq. Iturregui	San Juan	State Government
Vilco Chemicals	2-970052	New	Vilco Chemicals	Carr. 1 Km. 19.9	San Juan	Industrial
TREBOL MOTORS	2-880087	Closure	TREBOL MOTORS	MUÑOZ RIVERA AVE. #857	San Juan	Auto Dealership
TEXACO PUERTO RICO INC	2-861741	Amended	VENUS GARDENS S/S 388	ACUARIO LESBOS STS.	San Juan	Gas Station
SOL PUERTO LIMITED	2-860604	Closure	SHELL S/S # 804592	RD 176 KM 5.3	San Juan	Gas Station
DEPARTAMENTO DE EDUCACION	2-940247	Closure	ESC.EVARISTO RIVERA	#58 ST. CORNER #17	San Juan	State Government
Total Petroleum Puerto Rico Corp.	2-910137	Amended	GPR #1227	PARANA ST.	San Juan	Gas Station
Gregorio Otero Fernandez	2-860593	Amended	Borroco S/S	PONCE DE LEON 1368	San Juan	Gas Station
PUERTO RICO DUST CONTROL	2-940068	New	PUERTO RICO DUST CONTROL	#1 ST. #13	San Juan	Commercial
TREN URBANO	2-860592	Closure	LOM SERVICE STATION	STATE ROAD NO. 1 KM 13.5	San Juan	Gas Station
GENERAL INVESTMENT S.E.	2-940081	New	GENERAL INVESTMENT S.E.	#1590 PONCE DE LEON AVE.	San Juan	Commercial
ESSO STANDARD OIL CO PR	2-861106	Amended	ESSO S/S CO-183	Ave. 65 de Infantería km. 1.2 Urb San Agustin	San Juan	Gas Station

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
SOL PUERTO LIMITED	2-860870	Amended	SHELL S/S # 002933	FAIR VIEW SHOPPING CENTER	San Juan	Gas Station
Total Petroleum Puerto Rico Corp.	2-910077	Amended	GPR #2119	RD. #845, LITHEDA SHOPPING CTR.	San Juan	Gas Station
ESTACION EXPERIMENTAL	2-861914	Closure	ESTACION PRINCIPAL	RD.#1 KM 1 HM 0	San Juan	State Government
ibrahim abuusba abdel fattah	2-910046	Amended	Venezuela S/S	65 INFANTRY/PONCE DE LEON #1203	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861690	Closure	SEARS ROEBUCK	RD. #176 CUPEY	San Juan	Commercial
TEXACO PUERTO RICO INC	2-861775	Amended	APOLO S/S 366	APOLO AVE. MERCURIO ST.	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861778	Amended	CUPEY GARDENS S/S #393	CECILIANA AVE. CORNER #1 ST.	San Juan	Gas Station
SOL PUERTO LIMITED	2-860951	Amended	SHELL S/S #002542	SAN CLAUDIO ST. RD 845 KM 4 Sagrado Corazon	San Juan	Gas Station
MONTE DE ORO ASSOCIATES	2-940041	Closure	MONTE DE ORO ASSOCIATES	#11 ST. URB. VILLAS DE PARANA	San Juan	Residential
Caribbean Petroleum Corporation	2-860164	Amended	GULF S/S #143	RD. 845 KM 0.2 Cupey Alto	San Juan	Gas Station
LOIZA CLEANERS INC	2-940110	New	LOIZA CLEANERS INC.	MAXIMO ALOMAR ST. #1185	San Juan	Other
BETTERROADS ASPHALT COPR.	2-861973	Closure	BETTERROADS ASPHALT CORP.	PR-845 KM. 1.6 (PLANT 1)	San Juan	Not Listed
ESSO STANDARD OIL CO PR	2-930088	Amended	ESSO S/S 2P-187	Ave. Lomas Verdes Plaza Olmedo	San Juan	Gas Station
Genoveva Morales Santos	2-980063	Amended	Top Auto	Ave. 65 Infanteria Km. 3.6	San Juan	Other
DEPARTAMENTO DE EDUCACION	2-940248	Closure	ESC.MARIANA MARTINEZ DE PEREZ	JUPITER ST., CORNER VENUS	San Juan	State Government
Caribbean Petroleum Corporation	2-860249	Closure	GULF 394 (#016)	65TH INF. MARGINAL	San Juan	Gas Station
Total Petroleum Puerto Rico Corp.	2-860226	Amended	Total #2143	CARR. 176 ESQ. SAN JAVIER	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860215	Amended	GULF S/S #197	AVE. SAN IGNACIO ESQ. SAN ALFONSO Urb	San Juan	Gas Station
DEPARTAMENTO DE EDUCACION	2-940245	Closure	ESC.CARMEN SANABRIA	ARKANSAS ST., CORNER ALABAMA	San Juan	State Government
UNIVERSIDAD METROPOLITANA	2-861962	Closure	UNIVERSIDAD METROPOLITANA	ROAD 176	San Juan	Not Listed
Reynaldo Espino	2-861774	Amended	Reynaldo Espino	RD. #844, KM. 4.3	San Juan	Gas Station
AQuality Rental & Investment Corp	2-860165	Amended	Quality Rental (Ex GULF S/S #144)	BARBOSA & QUISQUEYA AVES.	San Juan	Gas Station
Western Auto Supply Co.	2-960065	Closure	Western Auto Store	Los Jardines Shopping Center	San Juan	Commercial
CIA PETROLERA CARIBE INC	2-860729	Closure	CARIBE STATION	GAVIOTA ST. CORNER TURPIAL	San Juan	Gas Station
DEPARTAMENTO DE EDUCACION	2-940242	Closure	ESC.GASPAR VILA MAYANS	GENERAL VALERO ST.	San Juan	Other
DEPARTAMENTO DE EDUCACION	2-940243	Closure	ESC. VILLA CAPRI	VERONA ST., CORNER NIZA	San Juan	Other
BLUE FOUNTAIN INC. (LA	2-940057	Amended	Blue Fountain Inc	PEREIRA LEAL ST. #589	San Juan	Commercial
AUTORIDAD DE CARRETERAS	2-861141	Amended	ESSO S/S CO-203	Carr. 1 Int. Carr. 176	San Juan	Gas Station
DEPARTAMENTO DE EDUCACION	2-940238	Closure	ESC.RAFael HERNANDEZ VALVERDE	RESIDENCIAL SAN JOSE	San Juan	State Government
TEXACO PUERTO RICO INC	2-861751	Amended	Texaco VILLA GRANADA S/S #228	DE DIEGO AVE. & PR 181	San Juan	Gas Station
Zakaria Yacoub	2-910154	Amended	Nur Gas Station	SICILIA ST.	San Juan	Gas Station
Andres Rivera Aviles	2-861252	Amended	Sabana Liana S/S	Ave. De Diego #475	San Juan	Gas Station
Southwest health corporation	2-990014	Amended	HOSPITAL UNIVERSITARIO DE	CALLE PERIFERAL CENTRO MEDICO DE PUERTO	San Juan	Other
P.R. MEDICAL SERV. ADM.	2-980105	Closure	ASEM- Medical Center-Cocina Central	Bo. Monacillos	San Juan	Other
ESSO STANDARD OIL CO PR	2-861270	Closure	ESSO S/S 3P-198	BARBOSA AVE. CORNER DE DIEGO	San Juan	Gas Station
San Juan Trading Co Inc.	2-980015	Closure	San Juan Trading Co.	Calle B Esq. C	San Juan	Commercial
Jose Baez- Dango Corp.	2-860864	Amended	Dango Corp SUPER GAS STATION	RIAZA ST.	San Juan	Gas Station
EDWIN V. GOSS	2-861666	Amended	EDWIN V. GOSS INC.	CALLE SAN IGNACIO	San Juan	Truck/Transporter
SOL PUERTO LIMITED	2-860779	Closure	ONE OUR CLEANERS	CENTRAL AVE. #1272	San Juan	Not Listed
SOL PUERTO LIMITED	2-860804	Closure	AMERICAN FENCE	RD. 21 KM. 4.7	San Juan	Commercial
TECNICENTROS MUNDIAL	2-960026	Closure	TECNICENTRO MUNDIAL	AVE. CENTRAL 1643	San Juan	Commercial
CIA PETROLERA CARIBE INC	2-861549	Amended	Estacion Servicio Caribe	20 ST. SO NO. 1411	San Juan	Gas Station
SOL PUERTO LIMITED	2-860814	Closure	LABORATORIO SEIN MENDEZ	DE DIEGO ST. #124	San Juan	Not Listed
SOL PUERTO LIMITED	2-860713	Amended	SHELL S/S #804711	RD 176, KM. 1.1	San Juan	Gas Station

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
Hospital de Veteranos	2-030004	Amended	Hospital de Veteranos	Calle Casia #10	San Juan	Federal Non-Military
UNIVERSIDAD DE PUERTO RICO	2-890173	Closure	U.P.R	CAMPUS, BOX AR-UPR STATION	San Juan	Other
Caribbean Petroleum Corporation	2-860243	Amended	GULF #007	RD. #21 DE DIEGO AVENUE Reparto Metropolitano	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861762	Amended	ALTAMESA S/S #218	SAN ALFONSO AVE. #1321	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861078	Amended	ESSO S/S CO-007	DE DIEGO AVE #964 INT. 48 ST. La Riviera	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861080	Amended	ESSO S/S CO-016	AMERICO MIRANDA AVE. & 42 ST. Reparto	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861138	Amended	ESSO S/S CO-042	GLASGOW AVE. CORNER GRENOBLE	San Juan	Gas Station
REFRIGERAMA INC.	2-890188	Closure	REFRIGERAMA INC.	PR-888 , ESQUINA CALLE CEMENTERIO OESTE	San Juan	Industrial
SOL PUERTO LIMITED	2-860869	Amended	SHELL S/S # 003255	CAMPO RICO AVE. Country Club	San Juan	Gas Station
Autoridad de Energia Electrica	2-860009	Amended	Antigua COCA COLA	Ave. De Diego Final	San Juan	Utilities
DEPARTAMENTO DE SALUD	2-960068	Closure	Departamento de salud	Edificio Oficina Central	San Juan	State Government
TEXACO PUERTO RICO INC	2-861744	Amended	EL COMANDANTE S/S # 358	CAMPO RICO AVE.CORNER COMANDANTE	San Juan	Gas Station
Victor Torres Perez	2-910161	Amended	VICTORY SERVICE STATION	SIMON MADERA AVE. #7	San Juan	Gas Station
SOL PUERTO LIMITED	2-910155	Closure	SHELL SERVICE STATION #003883	65 INFANTRY AVE.	San Juan	Gas Station
SOL PUERTO LIMITED	2-860987	Amended	SHELL S/S #002828	PRINCIPAL AVE. Esq. Ave. Monte Carlo	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861745	Amended	VILLA PRADES S/S #335	Ave. Simón Madera	San Juan	Gas Station
Efrain Tirado	2-861746	Amended	CAMPO RICO S/S #328	CAMPO RICO AVE. #800	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860268	Amended	GULF S/S #041	AVE. DE DIEGO #613 esq Juan Pena Bo. Sabana	San Juan	Gas Station
CARIBE GENERAL ELECTRIC PROD	2-861959	Amended	CARIBE GENERAL ELECTRIC PROD	LA BRISA ST. #5	San Juan	Industrial
TEXACO PUERTO RICO INC	2-861674	Closure	LORD ELECTRIC OF P.R.	VILLA PRADES IND. PARK	San Juan	Not Listed
PUERTO RICO TELEPHONE CO	2-890088	Closure	Escuela de telecomunicacion	ALEGRIA ST. (END)	San Juan	Utilities
DEPARTAMENTO DE EDUCACION	2-940241	Closure	ESC.ANTONIO SARRIERA EGOZGUE	CARMEN HERNANDEZ	San Juan	State Government
DEPARTAMENTO DE EDUCACION	2-940244	Closure	ESC.JOSE GUALBERTO PADILLA	NEBLIN ST. #500	San Juan	State Government
ibrahim abuusba abdel fattah	2-860938	Amended	Abu-USBA Petroleum	DE DIEGO AVE. 1155	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860863	Amended	Gulf S/S #905	LUIS MUÑIZ SUFFRONT AVE. Los Maestros	San Juan	Gas Station
ANDRES ALIAGA TAMAYO	2-000030	Closure	AMERICAN TRANSMISSION, INC.	153 GUAYAMA ST.	San Juan	Commercial
MUNICIPIO DE SAN JUAN / DPTO.	2-940292	Closure	CDT. DR.ENRIQUE KOPPISH	CALLE SICILIA ESQ. AVE. BARBOSA#404	San Juan	Local Government
TREN URBANO	2-980137	Closure	Casa Blanca Motors	Carr #1 km 1113 hm 4 El Cinco	San Juan	State Government
Departamento de Correccion y	2-920049	Closure	PENITENCIARIA ESTATAL	PENITENCIARIA ESTATAL	San Juan	Utilities
SOL PUERTO LIMITED	2-910157	Amended	SHELL S/S #804754	65 INFANTRY AVE.	San Juan	Gas Station
Hogar Carmelitano	2-970051	Closure	Hogar Carmelitano	Calle Julian Bengoechea	San Juan	Other
SOL PUERTO LIMITED	2-860936	Amended	SHELL S/S #000515	SIMON MADERA AVE., CORNER ANDINO Villa	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861743	Amended	ITURREGUI S/S #371	ITURREGUI AVE. CORNER 413 ST.	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860241	Amended	GULF S/S #005	65TH INF. & CAMPO RICO AVES km 5.1 Bo Sabana	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861767	Amended	Miguel Matos S/S #265	RD. #842, KM. 2.8	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861753	Amended	COUNTRY CLUB S/S #221	RUISEÑOR ST. #979	San Juan	Gas Station
SOL PUERTO LIMITED	2-860628	Closure	SHELL SERVICE STATION #804967	NAPOLES ST. CORNER 65 INFANTRY	San Juan	Gas Station
Juan Luis Escudero	2-860228	Amended	EI Tunel S/S # 4073	65TH INFANTRY AVE. KM 1.9	San Juan	Gas Station
US POSTAL SERV-65TH INF.	2-860426	Closure	US POSTAL SERV-65TH INF. STATION	65TH INFANTRY AVE	San Juan	Not Listed
Southwest health corporation	2-900079	Closure	Hospital Pediatrico Universitario	Calle Periferal-Centro Medico de Rio Piedras	San Juan	Other
PUERTO RICO TELEPHONE CO	2-920034	Closure	REMOTO TELEFONICO XI GUAYNABO	L. ROMANACH ST. #315	San Juan	Utilities
TEXACO PUERTO RICO INC	2-861747	Closure	SUCN. GUSTAVO LUGO S/S	65 INFANTRY AVE. KM. 1.2	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860119	Closure	FERRER ART STUDIO	CARR. 846 KM. 0.6	San Juan	Commercial
US POSTAL SERVICE-GPO	2-860424	Amended	US POSTAL SERVICE-VMF FACILITY	585 F.D. ROOSEVELT AVE.	San Juan	Federal Non-Military

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
Caribbean Petroleum Corporation	2-860161	Amended	GULF #140	65TH INF.KM. 5.2 San Martin	San Juan	Gas Station
BANCO POPULAR DE P.R.	2-860451	Amended	BANCO POPULAR DE P.R.	CARR 167 KM. 1.4	San Juan	Other
NAVIERAS DE PUERTO RICO	2-940157	Closure	NAVIERAS DE PUERTO RICO	MERCADO CENTRAL ST.	San Juan	Truck/Transporter
RIMCO INC	2-860589	Closure	RIMCO INC	KM 3.7 KENNEDY AVE	San Juan	Industrial
Hospital Isaac Gonzalez Martinez	2-020041	Closure	Hospital Isaac Gonzalez	Centro Medico	San Juan	Other
Army and Air Force Exchange	2-070006	New	AAFES Shoppette Fuerte Buchanan	Edif. 556, Calle Brook # 218	San Juan	Federal Military
FONDO DEL SEGURO DEL ESTADO	2-900092	Amended	HOSPITAL INDUSTRIAL	MEDICAL CENTER	San Juan	Other
Caribbean Petroleum Corporation	2-860126	Closure	PEPSI COLA BOTTLING CO.-5423000	CALLE SIMON MADERA #28	San Juan	Gas Station
RECINTO DE CIENCIAS	2-900095	Closure	U.P.R. RECINTO CIENCIAS MEDICAS	MEDICAL CENTER	San Juan	Other
Funeraria Ehret	2-980140	Closure	Funeraria Ehret	Calle Brema #4	San Juan	Commercial
AUTORIDAD DE EDIFICIOS	2-910011	Amended	CENTRO CARDIOVASCULAR DE P.R.	AMERICO MIRANDA AVE.	San Juan	State Government
UNIVERSIDAD DE PUERTO RICO	2-910312	New	DIVISION DE TALLERES	AVE. BARBOSA	San Juan	State Government
ADM. COLG. REGIONALES, U.P.R	2-861902	Closure	ADM. COLG. REGIONALES, U.P.R	#17 ST. CORNER #6	San Juan	Industrial
TREN URBANO	2-020016	Closure	ESTACION DE DIEGO	EXPRESO DE DIEGO INT. CARR. 21	San Juan	State Government
Federal Packing of Puerto Rico	2-980079	Closure	Federal Packing of Puerto Rico	Enrique Vázquez #4	San Juan	Industrial
MUNICIPIO DE SAN JUAN / DPTO.	2-880109	Closure	HOSPITAL MUNICIPAL SAN JUAN	CENTRO MEDICO	San Juan	Other
AUTORIDAD DE LOS PUERTOS	2-860076	Amended	ESTACION GASOLINA A.S.G.	MAJAGUA ST BUILDING 16	San Juan	State Government
MUNICIPIO DE SAN JUAN / DPTO.	2-940291	Closure	CDT DR. JOSE S. BELAVAL	AVE. BORINQUEN ESQ. NIN BO. OBRERO	San Juan	Local Government
MUNICIPIO DE SAN JUAN / DPTO.	2-940288	Closure	CDT. DR. ARNALDO J. GARCIA	CALLE FLOR ANTILLANA	San Juan	Local Government
TEXACO PUERTO RICO INC	2-861510	Closure	Texaco- Otto Palacios S/S # 945	RD. 1 KM 19.1	San Juan	Gas Station
Gobierno de Puerto Rico,	2-000034	New	Departamento de la Vivienda	Ave. José Celso Barbosa #606	San Juan	State Government
RELIABLE FINANCIAL SERVICES	2-990051	New	RELIABLE FINANCIAL SERVICES	AVE. MUÑOZ RIVERA #1101	San Juan	Commercial
Caribbean Petroleum Corporation	2-860265	Amended	GULF S/S #037	PARANA ST.,ESQ. WESSRER Rio Piedras Heights	San Juan	Gas Station
MUNICIPIO DE SAN JUAN / DPTO.	2-940294	Closure	OFICINAS EJECUTIVAS	AVE. DE DIEGO FINAL AL LADO DE LA AMA	San Juan	Local Government
US DEPARTMENT OF ENERGY	2-940014	Closure	PUERTO RICO NUCLEAR CENTER	MEDICAL CENTER	San Juan	Federal Non-Military
Caribbean Petroleum Corporation	2-930031	Amended	Gulf # 415	Aeropuerto Luis Muñoz Marin Airport Cargo Area	San Juan	Gas Station
FEDERAL AVIATION	2-860102	Closure	FAA SAN JUAN	INTERNATIONAL AIRPORT	San Juan	Federal Non-Military
FEDERAL AVIATION	2-860107	Closure	FAA SAN JUAN, RTR	INTERNATIONAL AIRPORT	San Juan	Federal Non-Military
FEDERAL AVIATION	2-860108	Closure	FAA SAN JUAN VOR/TACR	INTERNATIONAL AIRPORT	San Juan	Federal Non-Military
American Airlines Inc.	2-980055	Closure	American Airlines Auto Shop	Base Aerea Muñoz	San Juan	Other
Caribbean Petroleum Corporation	2-860151	Closure	INT. AIR SERVICE-54199901	LUIS MUÑOZ MARIN INTL. AIRPORT	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860255	Amended	GULF #024	MUNOZ RIVERA AV. #1007	San Juan	Gas Station
Alberto Contreras	2-861765	Amended	Rock S/S	RD. 1, KM. 20.3	San Juan	Gas Station
URBANO TORRES INC.	2-910318	Amended	URBANO TORRES INC.CARR.NO#1	TORTUGO	San Juan	Gas Station
Guillermo A. Passalacqua	2-980128	Closure	Charneco S/S	Ponce de León esq. calle Cayey	San Juan	Gas Station
Rattan Specialties Inc.	2-990017	Amended	Rattan Specialties Inc.	Carr. #1 Salida Rio Piedras	San Juan	Commercial
Defensa Civil-San Juan	2-990020	Closure	Defensa Civil	Calle A #178	San Juan	Local Government
PUBLIC HOUSING ADMINISTRATION	2-960013	Closure	CRISANTEMOS II	CALLE 28 ESQ. CALLE CECILIA SAN	San Juan	State Government
TEXACO PUERTO RICO INC	2-861661	Closure	CERVECERIA CORONA	STOP 20	San Juan	Industrial
Puerto Rico & Inc.	2-980010	New	Seven Eleven Inc.	Ave. Fernandez Juncos 1462	San Juan	Gas Station
SOL PUERTO LIMITED	2-860792	Closure	POLICIA DE PUERTO RICO	ANTIGUO ANGAR DEL HELICOPTERO	San Juan	Not Listed
ESSO STANDARD OIL CO PR	2-920107	Closure	Autoridad Metropolitana de Autobuses	Ave. de Diego # 37	San Juan	State Government
SOL PUERTO LIMITED	2-860826	Closure	EMERITO ESTRADA-IZUZU DE P.R.	KENNEDY AVE.	San Juan	Industrial
MUNICIPIO DE SAN JUAN	2-880107	Amended	OBRAS PUBLICAS MUNICIPAL	KENNEDY AVE., KM. 1.7	San Juan	Local Government

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
Autoridad de Acueductos y	2-861491	Closure	CENTRO SERVICIOS - SAN JUAN	STOP 26 1/2	San Juan	Utilities
AUTORIDAD DE LOS PUERTOS	2-860092	Closure	Aeropuerto F.Rivas-Isla Grande	GPO BOX 2829	San Juan	Utilities
SOL PUERTO LIMITED	2-860705	Amended	SHELL S/S 804975	PONCE DE LEON, Parada 27	San Juan	Gas Station
FUNDACION EDUCATIVE ANA G	2-990056	Closure	Universidad Metropolitana Canal 40	Carr. 176 Km. 0.5	San Juan	Other
Autoridad de Energia Electrica	2-860761	Closure	PLANTA TERMoeLECTRICA	ZONA PORTUARIA	San Juan	State Government
MUNICIPIO DE SAN JUAN	2-980056	Closure	Municipio de San Juan	Calle Duarte Final Este	San Juan	Local Government
ESSO STANDARD OIL CO PR	2-910317	Closure	Esso / San Juan Star	Ave. Kennedy	San Juan	Industrial
NUTRI CARIBE,INC (CHOCOLATE	2-960056	Amended	Nutri Caribe, Inc.	Calle Manuel Camuñas #4	San Juan	Commercial
Ysiem Corporation	2-960050	Closure	Almacenes La Riviera	Ave. 65 de Infantería Km. 3.1 Sabana Llana Antiguo	San Juan	Auto Dealership
Autoridad de Energia Electrica	2-970049	Closure	Antiguo Jet Covadonga	Paseo Covadonga	San Juan	Other
PUBLIC HOUSING ADMINISTATION	2-960012	Closure	CRISANTEMOS I	CALLE C RAMOS ANTONINI	San Juan	State Government
SOL PUERTO LIMITED	2-860793	Closure	MUEBLERIAS MENDOZA	RD. #1	San Juan	Not Listed
HORMIGONERA CARIBE	2-860063	New	HORMIGONERA CARIBE	RD 845 KM 1.5	San Juan	Contractor
O & Y Enterprises	2-980074	Closure	Edificio Plaza Scotiabank	Ave. Ponce de León # 273	San Juan	Commercial
TEXACO PUERTO RICO INC	2-861752	Amended	UNIVERSITY GARDENS S/S #226	SALAMANCA ST.#215 CORNER HARVARD	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861124	Amended	ESSO S/S CO-014	MUÑOZ RIVERA AVE. #1004	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861269	Closure	ESSO S/ S 77037	SAN FRANCISCO SHOPPING CENTER	San Juan	Gas Station
GOMEZ HERMANOS, INC	2-940197	Closure	Toyota de PR (Ex GOMEZ HERMANOS	MUÑOZ RIVERA AVE. #1064	San Juan	Auto Dealership
ESSO STANDARD OIL CO PR	2-910344	Closure	SEARS ROEBUCK DE P.R.	RD #176 KM 0.8, CUPEY	San Juan	Commercial
PUERTO RICO TELEPHONE CO	2-000026	Amended	Remoto Montehiedra	Ave. Los Romeros	San Juan	Utilities
Kmart Corporation	2-970009	Closure	Kmart Store #9789	Ave. Winston Churchill	San Juan	Commercial
Luis R. Rodriguez Rodriguez	2-860724	Amended	L.R. Gas Station	STATE ROAD #176 KM 7.2	San Juan	Gas Station
First Real Estate S.E.	2-940252	Closure	Suarez Toy House	Road 845 Internal Ind. Development Victor Suarez	San Juan	Commercial
ESSO STANDARD OIL CO PR	2-861435	Closure	RIO CONSTRUCTION CORP.	RD. 1, KM. 18.5	San Juan	Industrial
ALBANO ONE HOUR MARTINIZING	2-940112	New	ALBANO ONE HOUR MARTINIZING	RD. CUPEY CORNER RHIN	San Juan	Commercial
AUTORIDAD DE CARRETERAS	2-050004	Amended	Facilidades Tren Urbano Cupey	Carr 1 y Carr 21	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861139	Amended	ESSO S/S CO-185	RD. 1 KM. 13.4 Urb Antonsanti	San Juan	Gas Station
PRODUCTOS DE CARRETERA	2-860010	Closure	PRODUCTOS DE CARRETERA	FILIPPO DI PLANA RD 20 KM 20	San Juan	Contractor
WELLS FARGO ARMORED SERV.	2-860098	Closure	WELLS FARGO ARMORED SERV.	10 GANGES ST	San Juan	Truck/Transporter
Caribbean Petroleum Corporation	2-860038	Amended	Gulf #330 (Plaza Interamericana)	CARR. 838 KM. 4 HM. 4	San Juan	Gas Station
SOL PUERTO LIMITED	2-860802	Closure	Vilco Chemical-Shell Site	RD. #1 KM. 19.9	San Juan	Industrial
Hospital San Gerardo	2-980073	Closure	Hospital San Gerardo	Carr.844 km. 0.5 Cupey Bajo	San Juan	Other
Total Petroleum Puerto Rico Corp.	2-910383	Amended	Total Petroleum #3304	RD 176 KM 8.1	San Juan	Gas Station
José Sanchez	2-860721	Amended	CITGO CAIMITO	ROAD 842 KM 4 HM 1	San Juan	Gas Station
Autoridad de Acueductos y	2-861490	Closure	OPERATION SECTION	EXPERIMENTAL STATION	San Juan	Utilities
VA MEDICAL & REG. OFFICE	2-861524	Amended	VA CARIBBEAN HEALTHCARE	RD #21 10 CASIA ST	San Juan	Federal Non-Military
TEXACO PUERTO RICO INC	2-861772	Amended	EL CEREZAL S/S #331	PONCE DE LEON AVE.	San Juan	Gas Station
WOMETCO DE PUERTO RICO	2-950061	Closure	BASKIN ROBBINS	EL SEÑORIAL MALL	San Juan	Commercial
ESSO STANDARD OIL CO PR	2-861253	Amended	ESSO S/S 3P-227	RD. 846, KM. 1.1. Centro Comercial Ciudad	San Juan	Gas Station
SEARS,ROEBUCK AND CO.	2-861900	Amended	SEARS,ROEBUCK AND CO.	ROAD #176 KM 0.5	San Juan	Commercial
ARMOR ENTERPRISES	2-940082	New	Armor Enterprises-Laundry	PARANA ST. #31, EL PARAISO Rio Piedras	San Juan	Other
Eagle Gas Corp.	2-860692	Amended	EAGLE GAS CORPORATION	RD. 842 KM 1.9	San Juan	Gas Station
COLEGIO SAN IGNACIO DE	2-860719	Closure	COLEGIO SAN IGNACIO DE LOYOLA	SABRECO (END) ST.	San Juan	Not Listed
P.R. MEDICAL SERV. ADM.	2-861945	Closure	STEAM POWER PLANT	MEDICAL CENTER	San Juan	Other

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
PUERTO RICO TELEPHONE CO	2-920035	Closure	REMOTO TELEFONICO VII GUAYNABO	RD #1 KM 19.10 (INTERIOR)	San Juan	Utilities
Autoridad de Energia Electrica	2-920103	Closure	TALLER DE MECANICA AUTOMOTRIZ	SAN ROBERTO ST., MONACILLOS WARD	San Juan	Utilities
ESTACION EXPERIMENTAL	2-861991	Closure	TECNOLOGIA DE ALIMENTOS	RD #1 KM 12.9	San Juan	State Government
EL COQUI RESORT INC.	2-940102	Closure	HOTEL LA FUENTE	RD. #842 KM. 7.0	San Juan	Commercial
CAPITOL ENGINEERING	2-940124	New	CAPITOL ENGINEERING	RD. #176 KM. 5.8	San Juan	Contractor
ESTACION EXPERIMENTAL	2-861993	Closure	PLANTA PILOTO DE RON	RD. #1 KM 12.9	San Juan	Utilities
AUTORIDAD DE CARRETERAS	2-950008	Closure	AUTORIDAD DE CARRETERAS	RD.1 KM. 18.5	San Juan	State Government
DEPARTAMENTO DE EDUCACION	2-940246	Closure	ESC. INES MARIA MENDOZA	RD. 842 KM 2 HM 6	San Juan	State Government
SOL PUERTO LIMITED	2-861026	Amended	SHELL S/S #000507	CARMEN HERNANDEZ CORNER LUCIANO Urb EI	San Juan	Gas Station
Autoridad de Energia Electrica	2-920081	Closure	CENTRO DE TRANSMISION DE	RD #1, MONACILLOS WARD	San Juan	Utilities
Total Petroleum Puerto Rico Corp.	2-930081	Closure	ISLA PETROLEUM CORP.	RD. #19, KM 1.2	San Juan	Gas Station
Departamento de Correccion y	2-940128	New	PRESIDIO ESTATAL DE P.R.	RD. #21	San Juan	State Government
TREBOL MOTORS	2-880088	Closure	TREBOL MOTORS	KENNEDY AVE. CORNER ORQUIDEA ST.	San Juan	Auto Dealership
J.A.B. CLEANERS INC.	2-940093	Closure	J.A.B. CLEANERS INC.	SAN FRANCISCO SHOPPING CENTER	San Juan	Commercial
TEXACO PUERTO RICO INC	2-861763	Amended	SANTA MARIA S/S #225	RD. #1, KM. 16.6	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861759	Amended	Texaco Villa Nevarez S/S #208	#2 ST. CORNER #21 ST.	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860197	Amended	GULF S/S #179	Ave. Americo Miranda, Esq. Gutenberg JArdenes	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861130	Closure	ESSO S/S COB-025	MUÑOZ RIVERA AVE.	San Juan	Gas Station
CAFE VALENCIA	2-990028	Closure	CAFE VALENCIA	AVE MUÑOZ RIVERA INT. AVE LOS MIRTOS	San Juan	Commercial
DEPARTAMENTO DE EDUCACION	2-950037	Closure	ESCUELA SOTERO FIGUEROA	PALMA REAL AVE., CORNER FORDHAM	San Juan	State Government
ANTILLES MOTORS REBUILDERS	2-920040	Closure	ANTILLES MOTORS REBUILDERS	DE DIEGO AVE. #480	San Juan	Commercial
COOPERATIVA DE SEGURO	2-880062	Closure	COOPERATIVA DE SEGURO	NEVAREZ ST.& AMERICO MIRANDA AVE	San Juan	Not Listed
COOP. DE SEGUROS DE VIDA DE	2-861941	Closure	COOP. DE SEGUROS DE VIDA DE P.R.	AMERICO MIRANDA AVE. #400	San Juan	Commercial
VA MEDICAL & REG. OFFICE	2-890196	New	120 BED NURSING HOME & BLIND	AB ONE VETERANS PLAZA	San Juan	Not Listed
ESSO STANDARD OIL CO PR	2-861438	Closure	UNIVERSIDAD INTERAMERICANA	GALILEO ST. END	San Juan	Industrial
International Institute of Tropical	2-010026	Closure	Jardin Botanico UPR- Rio Piedras	Los Terreno de la estacion experimental UPR	San Juan	State Government
Autoridad de Energia Electrica	2-860744	Closure	CENTRO DE DISTRIBUCION	SAN ROBERTO ST.	San Juan	Utilities
DEPARTAMENTO DE SALUD	2-990058	Amended	HOSPITAL SIQUIATRIA RAMON	CENTRO MEDICO	San Juan	State Government
AUT. METROPOLITANA	2-861948	Amended	Autoridad Metropolitana de Autobuses	#37, DE DIEGO AVE.	San Juan	State Government
Maria Cristina Goenaga	2-980067	Closure	Créditos e Inversiones San Miguel Inc.	Calle Prolongacion La paz	San Juan	Commercial
DEPARTAMENTO RECURSOS	2-970021	Closure	Casa de Bombas	Ave. Baldorioty de Castro Km. 4.8	San Juan	Other
Condado Plaza Hotel	2-980118	Closure	Condado Plaza Hotel	Ave. Ashford 999	San Juan	Other
SOL PUERTO LIMITED	2-980132	Amended	CAPARRA MOTORS- TARGET RENT A	CALLE PASANTE #207	San Juan	Other
Autoridad de Energia Electrica	2-860765	Closure	SANTURCE JET	LUCHETTI ST.	San Juan	Utilities
AUTORIDAD DE CARRETERAS	2-040011	Closure	Autoridad de carreteras	Avenida Ponce de Leon Esq. Ave. Borinquen	San Juan	Not Listed
APARTMENT INVESTMENT AND	2-950066	Closure	VISTAS DE SAN JUAN APARTMENTS	AVE. FERNANDEZ JUNCOS 600	San Juan	Residential
LOIZA CLEANERS INC.	2-861423	Amended	LOIZA CLEANERS	LOIZA ST. #63	San Juan	Industrial
ESSO STANDARD OIL CO PR	2-861436	Closure	CONDADO HOLIDAY INN	ASHFORD AVE. #977	San Juan	Industrial
Aut.del Nuevo Distrito del Centro de	2-030007	Closure	Aut.Nuevo Distrito Centro Convenciones	Ave. Fernandez Juncos #610	San Juan	State Government
Autoridad de Energia Electrica	2-990012	Closure	Antigua Algodonera	Calle Condado Esq. Ave. Ponce de Leon	San Juan	Utilities
TEXACO PUERTO RICO INC	2-861638	Closure	RAMON L. RODRIGUEZ S/S #311	110 DE DIEGO AVE.Corner Loiza St. Santurce	San Juan	Gas Station
TREBOL MOTORS	2-880086	Closure	Trebol Motors	R.H. Todd Ave.Baldorioty de Castro	San Juan	Auto Dealership
CARLOS ARBOLEDA	2-920085	Amended	AUTORIDAD DE LOS PUERTOS	MAINTENANCE SHOP	San Juan	State Government
CIA PETROLERA CARIBE INC	2-860727	Amended	Gasolinera CARIBE, INC.	R.H. TODD 1000	San Juan	Gas Station

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
Leonardo Torres	2-860288	Amended	Global Gasoline Inc	PONCE DE LEON 1521,Rio Piedras	San Juan	Gas Station
Taco gas Inc/Jaime Prieto Silva	2-861555	Amended	Zulu Gas Station /Formel Marine	FERNANDEZ JUNCOS AVE. &	San Juan	Gas Station
DOCTORS HOSPITAL INC	2-900063	Amended	DOCTORS HOSPITAL INC	SAN RAFAEL ST.	San Juan	Other
HOSPITAL PAVIA INC.	2-920032	Closure	HOSPITAL PAVIA	ASIA ST. #1462	San Juan	Other
Total Petroleum Puerto Rico Corp.	2-910061	Amended	Total Petroleum #1003	Calle San Jose #704	San Juan	Gas Station
SUCESION RUIZ GRAU	2-930009	Closure	PANADERIA RESTAURANTE LISBOA	PONCE DE LEON AVE. #1850	San Juan	Commercial
UNIVERSIDAD SAGRADO	2-861522	Closure	UNIVERSIDAD SAGRADO CORAZON	ROSALES ST. CORNER SAN ANTONIO	San Juan	Other
SOL PUERTO LIMITED	2-860967	Closure	SHELL S/S #000019	PONCE DE LEON #1910 Santurce	San Juan	Gas Station
RICARDO J. ROSELLO	2-860872	Amended	San Mateo Servicentro	EDUARDO CONDE AVE.	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860960	Amended	GULF S/S482	FERNANDEZ JUNCOS AVE. #816	San Juan	Gas Station
SOL PUERTO LIMITED	2-860956	Amended	SHELL S/S#000302	DE DIEGO AVE. CORNER WILSON	San Juan	Gas Station
SOL PUERTO LIMITED	2-860875	Amended	SHELL S/S #000329	FERNANDEZ JUNCOS AVE. Esq. Hipodromo	San Juan	Gas Station
Administracion Servicios Generales	2-860082	Amended	Area Transporte- Hato Rey	BARBOSA AVE. #155	San Juan	State Government
SOL PUERTO LIMITED	2-860782	Closure	STAR TAXI (ROBERTO LEFRANC)	DONCELLA ST. #101	San Juan	Not Listed
PUERTO RICO PUBLIC BUILDING	2-900090	Closure	AUTORIDAD DE EDIFICIOS PUBLICO	APARTADO 41209	San Juan	Other
ESSO STANDARD OIL CO PR	2-861134	Amended	ESSO S/S CO-035	Ave. Ponce de León Esq. Calle Madrid	San Juan	Gas Station
SAN JUAN GAS COMPANY	2-940162	New	SAN JUAN GAS COMPANY	EXPRESO MARGINAL SUR AVE.	San Juan	Commercial
SOL PUERTO LIMITED	2-860946	Amended	SHELL S/S 002291	140 APONTE STREET	San Juan	Gas Station
JIMENEZ & FERNANDEZ INC.	2-940160	Amended	CAFE YAUCONO	FERNANDEZ JUNCOS AVE.STOP 16 1/2	San Juan	Industrial
TEXACO PUERTO RICO INC	2-861564	Amended	Texaco Miramar S/S #217	FERNANDEZ JUNCOS & ESTADO ST.	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861682	Closure	P.R. ASPHALT CO.	800 ROBERTO H. TODD AVE.	San Juan	Industrial
ASHFORD PRESBYTERIAN	2-900061	Closure	ASHFORD PRESBYTERIAN	1451 ASHFORD AVENUE	San Juan	Other
Caribbean Petroleum Corporation	2-860178	Amended	Gulf S/S #159	Condado. Ave. Luchetti Marginal	San Juan	Gas Station
Santa Paula Oil	2-900031	Amended	SANTA PAULA OIL	PALMA ST. #1304	San Juan	Gas Station
ELSA DELGADO	2-910078	Amended	Con GAS	FERNANDEZ JUNCOS AVE. #1104	San Juan	Gas Station
MUNICIPIO DE SAN JUAN	2-940023	New	CENTRO PESQUERO DE SAN JUAN	SECTOR HOARE	San Juan	Local Government
ESSO STANDARD OIL CO PR	2-861126	Amended	ESSO S/S CO-018	Ave. Expreso Sur Pda. 14	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860237	Amended	GULF #452	Ave. Baldorioty de Castro Norte Shopping Center	San Juan	Gas Station
AT & T	2-990024	Amended	AT & T	AVE. PNCE DE LEON #820	San Juan	Commercial
SOL PUERTO LIMITED	2-860877	Amended	SHELL S/S #000310	LABRA ST. PDA 18	San Juan	Gas Station
CONDADO HOTEL PARTNERSHIP	2-930079	Closure	CONDADO HOTEL-Marriott	1309 ASHFORD AVE.	San Juan	Other
FEDERAL AVIATION	2-860104	Closure	ISLA GRANDE ATCT	ISLA GRANDE AIRPORT	San Juan	Federal Non-Military
P R DRYDOCK & MARINE	2-861521	Closure	P R DRYDOCK & MARINE TERMINALS	MIRAFLORES/VILLAVERDE ST PIER 15	San Juan	Industrial
World Com Inc.	2-860026	Amended	World Com	665 PONCE DE LEON AVE.	San Juan	Commercial
ESSO STANDARD OIL CO PR	2-860696	Amended	ESSO-Hertz Rent a Car Condado	ASHFORD AVE. #1365	San Juan	Commercial
BANCO POPULAR DE P.R.	2-940193	Closure	BANCO POPULAR DE P.R.	PONCE DE LEON AVE. #1155	San Juan	Other
ITT ALL AMERICA CABLES & RADIO	2-860022	Closure	ITT ALL AMERICA CABLES & RADIO	901 PONCE DE LEON AVE.	San Juan	Utilities
John Sugden	2-960064	Closure	La Fondita de Jesus	Calle Monserratte Sector Trastalleres	San Juan	Not Listed
ESSO STANDARD OIL CO PR	2-930077	Closure	L & M CAR RENTAL	1051 ASHFORD AVE.	San Juan	Commercial
DEPARTAMENTO RECURSOS	2-862002	New	ESTACION DE BOMBAS DE DIEGO	DE DIEGO AVE & ESTRELLA ST	San Juan	Not Listed
Caribbean Petroleum Corporation	2-860274	Amended	GULF SIS #050	Mcleary ST. #1908	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861583	Amended	Texaco- Stop 18 S/S #210	FERNANDEZ JUNCOS AVE. #1256	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861128	Closure	ESSO S/S CO-020	Ave. Ponce de León Esq. Borinquen # 1901	San Juan	Gas Station
OCHOA FERTILIZER CO.,INC	2-860413	Closure	OCHOA FERTILIZER CO.,INC	PROLONGACION PAZ ST. #744	San Juan	Industrial

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
ESSO STANDARD OIL CO PR	2-861132	Amended	ESSO S/S CO-030	Calle Labra Esq. Ave. R. H. Todd	San Juan	Gas Station
U.S. Naval Station	2-000016	Closure	NAVAL RESERVATION BLDGS. 445 &	STOP 7 1/2	San Juan	Federal Military
Caribbean Petroleum Corporation	2-860325	Closure	GULF SERVICE STATION #0403	FRANCIA ST. #503. Hato Rey	San Juan	Gas Station
SOL PUERTO LIMITED	2-860693	Amended	SHELL S/S #804819	LAS PALMAS, CORNER CERRA ST.956 Santurce	San Juan	Gas Station
POLICIA DE PUERTO RICO	2-000019	Closure	PRECINTO 182-HATO REY ESTE	Calle Sicilia final (Calle 13) Esq. Calle Dr. Lopez	San Juan	State Government
CIA PETROLERA CARIBE INC	2-861551	Amended	CARPENTER ROAD S/S	BARBOSA AVE. 1203	San Juan	Gas Station
Pedro Rodriguez Orosco	2-860723	Amended	Quisqueya S/S	QUISQUEYA ST. #55	San Juan	Gas Station
RENOVADORA INC.	2-970004	Closure	RENOVADORA INC.	RIO PIEDRAS COMMERCIAL	San Juan	Other
GARAGE ARCO,INC	2-900026	Amended	GARAGE ARCO,INC	BARBOSA AVE. #64	San Juan	Gas Station
BMA SAN JUAN	2-950043	New	BMA SAN JUAN	205 DUARTE ST. 3 RD FLOOR	San Juan	Other
MODAS JOSEPHINE INC	2-862012	New	MODAS JOSEPHINE INC	CAROLINA ST. #513	San Juan	Not Listed
MOTORAMBAR-SERVICIOS	2-940001	Closure	FUNDACION SIERRA BOERMAN	PONCE DE LEON 701	San Juan	Aircraft Owner
Caribbean Petroleum Corporation	2-920008	Amended	GULF S/S #301	BARBOSA AVE. #620 al lado Supermercado Conchita	San Juan	Gas Station
Mahmoud Ali Shehadeh	2-861131	Amended	Barbosa S/S (Ex ESSO S/S CO-027)	BARBOSA AVE. 612	San Juan	Gas Station
Triple-S Inc.	2-990019	Closure	Triple-S	Avenida Matadero	San Juan	Commercial
Victor Fernández	2-910143	Amended	Aramco Gas Station	BARBOSA AVE. #710	San Juan	Gas Station
Plaza Las Americas Inc.	2-980048	Closure	Plaza Las Americas Inc.	Carr.18 Esq. Ave. Fernandez Roosevelt	San Juan	Commercial
TEXACO PUERTO RICO INC	2-861756	Amended	QUINTANA S/S #202	GUAYAMA & FRANCIA STREETS	San Juan	Gas Station
SOL PUERTO LIMITED	2-860874	Closure	SHELL SERVICE STATION #001465	BARBOSA AVE. CORNER DUARTE	San Juan	Gas Station
ANGEL LUIS COLON	2-860378	Amended	Total 2169 (exSHELL S/S #004031)	AVE. Barbosa	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861267	Amended	ESSO S/S 2P-341	Ave. Barbosa #448 Esq. Guayama	San Juan	Gas Station
AUTORIDAD DE EDIFICIOS	2-930046	Closure	EDIFICIO JUAN C. CORDERO DAVILA	BARBOSA AVE. #606	San Juan	Local Government
BAMI DE PUERTO RICO	2-900062	Closure	HATO REY COMMUNITY HOSPITAL	PONCE DE LEON AVE. # 435	San Juan	Other
ESSO STANDARD OIL CO PR	2-861136	Closure	ESSO SERVICE STATION	CHILE ST. URB. PIÑEIRO	San Juan	Gas Station
PUERTO RICO TELEPHONE CO	2-890090	Amended	HATO REY C.O.	PONCE DE LEON AVE. #562, PDA.35	San Juan	Utilities
Alfredo de Armas	2-950023	Closure	COMPRESORES & EQUIPO	GUAYAMA ST. #267	San Juan	Commercial
SOL PUERTO LIMITED	2-860942	Closure	SHELL SERVICE STATION #001180	PONCE DE LEON AVE.	San Juan	Gas Station
Valines Industrial Laundry	2-920121	New	Valines Industrial Laundry	2260 Ave. Rexach Barrio Obrero Santurce	San Juan	Commercial
PRINCIPADO MODERN DRY	2-940079	Closure	PRINCIPADO MODERN DRY	BARBOSA AVE. #604	San Juan	Commercial
Eduardo O. Viera Zayas	2-861546	Amended	Eduardo Viera S/S	RD #12, #517, BORINQUEN AVE.	San Juan	Gas Station
MUNICIPIO DE SAN JUAN	2-990057	Closure	ESTACION DE BOMBAS REXACH	BARRIO OBRERO	San Juan	Local Government
TEXACO PUERTO RICO INC	2-861581	Amended	Texaco- Piñero Development S/S #353	ROOSEVELT AVE. EXT. TRINIDAD	San Juan	Gas Station
Best Western Hotel Pierre	2-990071	Closure	Best Western Hotel Pierre	Ave. De Diego #105	San Juan	Commercial
Caribbean Petroleum Corporation	2-900035	Amended	Gulf S/S #399	LOIZA ST.ESQ.LOS BAÑOS	San Juan	Gas Station
SOL PUERTO LIMITED	2-860656	Amended	SHELL S/ S #804738	LOIZA ST., CORNER KINGS COURT	San Juan	Gas Station
SOL PUERTO LIMITED	2-860949	Closure	SHELL SERVICE STATION #000337	LOIZA ST. CORNER SANTA CECILIA	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861140	Amended	ESSO S/S CO-186	Calle Loíza Esq.Tapia	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861142	Amended	ESSO S/S CO-205	Calle Loíza # 2207	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860406	Amended	GULF S/S #458	BALDORIOTY & DEGETAU STS.SANTURCE	San Juan	Gas Station
SOL PUERTO LIMITED	2-860941	Amended	SHELL S/S #000680	LOIZA ST CORNER CAOBOS Punta Las Marias	San Juan	Gas Station
Luis Gárate	2-020012	Amended	La Nueva Puerta de Santurce, Inc.	Ruiz Belvis # 237	San Juan	Residential
LOIZA CLEANERS	2-861424	Amended	LOIZA CLEANERS	LOIZA ST. #1702	San Juan	Industrial
US ARMY CORPS OF ENGINEERS	2-940251	Closure	OLD NAVAL STATION	W-5 SECOND FLOOR	San Juan	State Government
TEXACO PUERTO RICO INC	2-861689	Closure	SAMMY MAIZ AND CO.	BALDORIOTY AVE. & POMARROSA	San Juan	Truck/Transporter

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
TEXACO PUERTO RICO INC	2-861554	Amended	Texaco- Eduardo Conde S/S #232	EDUARDO CONDE AVE. #1928	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861432	Closure	ESSO-Oliver Exterminating	UTUADO ST. #16	San Juan	Commercial
ESSO STANDARD OIL CO PR	2-861441	New	Esso Hotel La concha	Ave Ashford Condado	San Juan	Not Listed
ROSA ELENA JIMENEZ	2-960022	Closure	ROSA ELENA JIMENEZ	CALLE PARIS #245	San Juan	Residential
Rafael Coutto	2-870018	Amended	TEXXAN OIL CO.	BARBOSA AVE. #312	San Juan	Gas Station
SOL PUERTO LIMITED	2-860811	Closure	PREVENTIVE MAINT. SERVICE	PARIS ST. #165	San Juan	Industrial
SOL PUERTO LIMITED	2-860780	Closure	ULTRA CHEMICAL	DUARTE ST. #206	San Juan	Not Listed
Autoridad de Acueductos y	2-861489	Amended	CENTRAL OFFICE-CONSERV. SECT.	604 BARBOSA AVE.	San Juan	State Government
SOL PUERTO LIMITED	2-910159	Amended	SHELL S/S #804924	RD ISLA VERDE KM 2.4	San Juan	Gas Station
Autoridad de Acueductos y	2-861494	Closure	ALMACEN MC CRAKEN	52 GUAYAMA ST.	San Juan	Utilities
ESSO STANDARD OIL CO PR	2-861127	Amended	ESSO S/S CO-019	Calle Loíza Esq. Taft # 175	San Juan	Gas Station
Asociacion de Empleados del Estado	2-050006	Closure	Asociacion de Empleados del Estado	Ave. Ponce De Leon # 463	San Juan	Not Listed
SOL PUERTO LIMITED	2-860934	Amended	SHELL S/S #003360	MARTINO ST. CORNER EMILIANO POLL Bo Caimito	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860224	Closure	GULF S/S #436	Calle Tapia, Esq. Eduardo Conde	San Juan	Gas Station
SUIZA DAIRY CO. INC.	2-860148	Amended	SUIZA DAIRY - 54280000	AVE. DE DIEGO & SAN PATRICIO	San Juan	Industrial
FRANCISCO QUIÑONES	2-950072	Closure	CHANTRES CLEANERS INC.	CALLE JOSE S. QUIÑONES #524	San Juan	Commercial
Total Petroleum Puerto Rico Corp.	2-860219	Amended	Total Petroleum #3289	EDUARDO CONDE AVE./HAYDEE REXACH	San Juan	Gas Station
Caribbean Petroleum Corporation	2-862023	Closure	PRODUCTOS DE PETROLEO	RUIZ BELVIS ST. #239	San Juan	Not Listed
SOL PUERTO LIMITED	2-860771	Closure	HATO REY TRANSPORT	DUARTE ST. #218	San Juan	Not Listed
MOTORAMBAR-SERVICIOS	2-930035	Amended	MOTORAMBAR	BECHARA ST.	San Juan	Auto Dealership
MOBIL OIL CARIBE	2-860703	New	CARIBE SHIPPING	PORT #9	San Juan	Not Listed
ESSO STANDARD OIL CO PR	2-861119	Amended	ESSO S/S CO-006	ESCORIAL AVE. #557 Caparra heights	San Juan	Gas Station
CENTRO AUTOMOTRIZ SANTA	2-940088	Closure	AUTOS VEGA INC.	BECHARA ST. CORNER SEGARRA	San Juan	Auto Dealership
PUERTO RICO TELEPHONE CO	2-890093	Closure	SAN PATRICIO REPETIDORA	ROOSEVELT AVE.	San Juan	Utilities
ESSO STANDARD OIL CO PR	2-861120	Amended	ESSO S/S CO-008	AVE. F.D. ROOSEVELT Esq. Ensenada Caparra	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860267	Amended	GULF #040	Ave. Kennedy Urb Industrial Bechara	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860336	Amended	GULF #0304	RD #2 KM. 5.0 Ave Kennedy MArg Buchanan	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861137	Amended	ESSO S/S CO-040	PIÑEIRO AVE. #1024	San Juan	Gas Station
VELVIS DEVELOPMENT CORP.	2-950069	Closure	VELVIS DEVELOPMENT CORP.	A ST. #21, MARIO JULIA IND.PARK	San Juan	Industrial
Angel Rivera	2-861566	Amended	Angel Rivera S/S (AntesTexaco Parque	ROOSEVELT AVE. #950	San Juan	Gas Station
Total Petroleum Puerto Rico Corp.	2-910141	Closure	GPR #2244	MATADERO & C ST.	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860120	Closure	MUNICIPIO DE SAN JUAN	PUBLIC WORKS BLDG.	San Juan	Local Government
TEXACO PUERTO RICO INC	2-880006	Amended	ANGELBERTO REYES S/S # 334	ROOSEVELT AND ESCORIAL AVES.	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-910016	Closure	SANTURCE SODA WATER	RD #2 KM 3.7, KENNEDY AVE.	San Juan	Industrial
TEXACO PUERTO RICO INC	2-861654	Closure	BEST CONTRACTING CORP.	RD. 845 KM. 1.6	San Juan	Not Listed
TEXACO PUERTO RICO INC	2-861569	Amended	Texaco Puerto Nuevo Norte S/S 227	ROOSEVELT AVE. & DE DIEGO 1301	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861559	Amended	Texaco- Las Lomas S/S #213	CENTRAL AVE. CORNER SAN PATRICIO	San Juan	Gas Station
BENJAMIN KAUFFMANN JULIA	2-860937	Amended	Andalucia S/S	ANDALUCIA AVE., CORNER ACAPULCO	San Juan	Gas Station
AUTORIDAD DE EDIFICIOS	2-930051	Amended	Centro Gubernamental Minillas	DE DIEGO AVE. STOP 22	San Juan	State Government
Caribbean Petroleum Corporation	2-860158	Closure	FIRESTONE INTERAMER. 54189000	MARIO JULIA IND. PARK	San Juan	Commercial
TEXACO PUERTO RICO INC	2-861650	Closure	BETTERROADS ASPHALT CORP.	RD. 845 KM. 1.6	San Juan	Not Listed
Caribbean Petroleum Corporation	2-860318	Amended	GULF #119	CENTRAL AVE. #1039 Puerto Nuevo	San Juan	Gas Station
US ARMY CORPS OF ENGINEERS	2-080001	Amended	US Naval Air Station	Antigua Base Miramar	San Juan	Not Listed
Asociacion deMaestros	2-070012	New	Asociacion de Maestros de Puerto Rico	Ave. Ponce de Leon # 452	San Juan	State Government

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
San Juan Development	2-940182	Closure	San Juan Development	Ponce de Leon Ave. #250 Hato Rey	San Juan	Not Listed
Administración Desarrollo y Mejoras a	2-960043	Closure	Villa Panamericana y Las Orquideas	Road 181 Esq. Ramal Este	San Juan	Residential
Caribbean Petroleum Corporation	2-860117	Amended	AMERICAN INDUSTRIAL LAUNDRY	CORCHADO STREET #1202	San Juan	Gas Station
Rafael Juarbe Lloveras	2-000002	Amended	Gas Service station 5143	Carr. 176	San Juan	Gas Station
LOIZA CLEANERS INC	2-940113	New	LOIZA CLEANERS INC	DE DIEGO AVE. #721	San Juan	Not Listed
Caribbean Petroleum Corporation	2-860194	Amended	GULF S/S #176	RD. 1 CALLE AMATISTA Urb Bucare	San Juan	Gas Station
CENTERS FOR DISEAS. CONT.&	2-940158	New	CENTERS FOR DISEAS. CONT.&	CASIA ST. #2	San Juan	Federal Non-Military
Caribbean Petroleum Corporation	2-860244	Amended	GULF S/S #010	CALLE 52, ESQ. 54 S.E. La Riviera	San Juan	Gas Station
SOL PUERTO LIMITED	2-860996	Amended	SHELL S/S #002453	RD. 21, KM. 5, HM. 4	San Juan	Gas Station
SOL PUERTO LIMITED	2-860943	Closure	COOP. TRANSP. METROPOLITANO	RD. #21 KM 0.5	San Juan	Not Listed
Caribbean Petroleum Corporation	2-860242	Amended	GULF S/ S #006	SAN PATRICIO & AVE. CENTRAL Las Lomas	San Juan	Gas Station
CRUZ ROJA AMERICANA	2-940147	Closure	CRUZ ROJA AMERICANA	Centro Medico Calle 9 E	San Juan	Other
SOL PUERTO LIMITED	2-860953	Amended	SHELL S/S #001716	RD. 176, KM.0.2	San Juan	Gas Station
DEPARTAMENTO DE EDUCACION	2-940240	Closure	ESC.TRINA PADILLA DE SANZ	JESUS T. PIÑEIRO WEST AVE.	San Juan	State Government
CITIBANK N.A.- HATO REY	2-940090	Closure	CITIBANK	LOMAS VERDES AVE.	San Juan	Commercial
P.R. MEDICAL SERV. ADM.	2-861947	Closure	NURSING HOME	MEDICAL CENTER	San Juan	Other
Jose Fuentes Hernández	2-860868	Closure	Independiente (ExSHELL S/S #001694)	CENTRAL & DE DIEGO AVES. Caparra Terrace	San Juan	Gas Station
ISMAEL GARCIA	2-860649	Amended	ISMAEL GARCIA	SAN IGNACIO AVE. #1385	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861118	Amended	ESSO S/S CO-004	Ave. Jesús T. Piñero # 1771 Summit Hills	San Juan	Gas Station
P.R. MEDICAL SERV. ADM.	2-861946	Closure	MOTOR POOL	MEDICAL CENTER	San Juan	Not Listed
Autoridad de Acueductos y	2-861492	Closure	TRANSPORTATION OFFICE - PUERTO	P.R. 2 KM. 2.1 (KENNEDY AVE)	San Juan	Utilities
ESSO STANDARD OIL CO PR	2-861125	Amended	ESSO S/S CO-015	Ave. F. D. Roosevelt # 957 Puerto Nuevo	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861570	Amended	Puerto Nuevo S/S # 220	ROOSEVELT AVE. #1250	San Juan	Gas Station
SOL PUERTO LIMITED	2-860709	Amended	SHELL S/S #804797	ROOSEVELT AVE. COR. ESCORIAL AVE Puerto	San Juan	Gas Station
KMART CORP.	2-860053	Closure	KMART 4490	SAN PATRICIO PLAZA	San Juan	Commercial
TEXACO PUERTO RICO INC	2-861761	Amended	LA RIVIERA S/S #215	DE DIEGO AVE. CORNER SO #48 ST.	San Juan	Gas Station
SOL PUERTO LIMITED	2-860808	Closure	WEST INDIA MACHINERY, INC.	ROOSEVELT AVE. CORNER MATADERO	San Juan	Not Listed
NEW CENTER ASSOCIATES	2-940037	Closure	NEW CENTER ASSOCIATES	JOSE OLIVER #6 TRES MONJITAS	San Juan	Residential
SEA-LAND SERVICE, INC.	2-860030	Closure	SEA-LAND SERVICE, INC.	ZONA PORTUARIA	San Juan	Truck/Transporter
US ARMY RESERVEGARRISON	2-890147	Closure	CPT EURIPIDES RUBIO USARC	BELCAIRE ST. #1	San Juan	Federal Military
FEDERAL AVIATION	2-860106	Closure	FAA SAN JUAN OM	SAN PATRICIO	San Juan	Federal Non-Military
TEXACO PUERTO RICO INC	2-861760	Amended	CUPEY S/S #209	#176 ST. KM. 1.2	San Juan	Gas Station
U.P.R. MEDICAL SCIENCES	2-861953	Amended	U.P.R. MEDICAL SCIENCES CAMPUS	G.P.O. BOX 5067	San Juan	State Government
Caribbean Petroleum Corporation	2-860182	Amended	GULF S/S#163	CALLE 31 INT. 38 Las Lomas	San Juan	Gas Station
ESSO STANDARD OIL CO PR	2-861123	Closure	ESSO SERVICE STATION 77013	SAN PATRICIO AVE. 1406	San Juan	Gas Station
THE SAN JUAN STAR	2-910314	New	THE SAN JUAN STAR	ACACIA ST. MONTEREY IND. PARK	San Juan	Industrial
GOMEZ HERMANOS, INC	2-861066	Amended	GOMEZ HERMANOS, INC	MUÑOZ RIVERA AVE. #573	San Juan	Auto Dealership
PUERTO RICO PUBLIC BUILDING	2-980007	Closure	COLISEO OLIMPICO DE PUERTO RICO	Apartado 195349	San Juan	Truck/Transporter
CITIBANK N.A.- HATO REY	2-940089	Closure	CITIBANK N.A.- HATO REY	PONCE DE LEON AVE. #252	San Juan	Commercial
SEARS ROEBUCK DE PUERTO	2-900016	Closure	SEARS ROEBUCK	PLAZA LAS AMERICAS	San Juan	Commercial
ESSO STANDARD OIL CO PR	2-861273	Amended	ESSO S/S COB-200	BARBOSA AVE. #621 Esq Calle Navarro	San Juan	Gas Station
ASOCIACION HOSPITAL DEL	2-900058	Amended	ASOCIACION HOSPITAL DEL	AVE.DOMENECH	San Juan	Other
SOL PUERTO LIMITED	2-910149	Amended	SHELL S/S #804789	AVE. JESUS T PIÑEIRO esq De Diego	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861750	Amended	MUNOZ RIVERA S/S #230	MUÑOZ RIVERA AVE. #560	San Juan	Gas Station

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
VAQUERIA TRES MONJITAS	2-860149	Amended	VAQUERIA TRES MONJITAS-54295000	CALLE CHARDON	San Juan	Industrial
GENERAL SERVICES ADM.	2-861963	Amended	GENERAL SERVICES ADM.	FB & US COURTHOUSE	San Juan	Federal Non-Military
HOSPITAL PR REALTY	2-900073	Amended	CLINICA DR.EUGENIO FERNADEZ	358 PONCE DE LEON AVE.	San Juan	Other
Caribbean Petroleum Corporation	2-860866	Amended	Gulf #408	PLAZA LAS AMERICAS SHOPPING CTR.	San Juan	Gas Station
Alfonzo Gomez-Gulf Plaza Inc.	2-860947	Amended	GLADIOLAS s/s	Calle Bolivia Esq. Calle Quisqueya	San Juan	Gas Station
SOL PUERTO LIMITED	2-860867	Amended	SHELL S/S # 000787	DOMENECH AVE. COR. HOSTOS	San Juan	Gas Station
Caribbean Petroleum Corporation	2-860169	Amended	Gulf #148	AVE DOMENECH 403 Esq Calle Nueva	San Juan	Gas Station
ROD RODDER	2-930034	Closure	ROD RODDER	AVE. F.D. ROOSEVELT #189	San Juan	Commercial
TEXACO PUERTO RICO INC	2-861668	Closure	INDUSTRIA LECHERA DE P.R.	O'NEILL ST.	San Juan	Not Listed
TEXACO PUERTO RICO INC	2-861663	Closure	EL MUNDO INC.	CHARDON AVE.	San Juan	Not Listed
SOL PUERTO LIMITED	2-860957	Amended	SHELL S/S #000523	COLL Y TOSTE ST. Urb Baldrich	San Juan	Gas Station
AUTORIDAD DE EDIFICIOS	2-930049	Closure	EDIFICIO LOTERIA DE PUERTO RICO	CHARDON AVE. NEW SAN JUAN	San Juan	State Government
TEXACO PUERTO RICO INC	2-861575	Amended	Texaco- Roosevelt & Hostos S/S #224	ROOSEVELT AVE. #249 & HOSTOS AVE	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861754	Closure	PONCE DE LEON S/S #219	PONCE DE LEON AVE. #510 Hato Rey	San Juan	Gas Station
TEXACO PUERTO RICO INC	2-861675	Closure	MANTECADOS PAYCO INC.	TRES MONJITAS IND. DEV.	San Juan	Industrial
DEPARTAMENTO DE EDUCACION	2-940239	Closure	ESC.NEMESIO CANALES	RESIDENCIAL NEMESIO CANALES	San Juan	State Government
CERVECERIA INDIA	2-861659	Closure	CERVECERIA INDIA CORP.	TRES MONJITAS IND. DEV.	San Juan	Industrial
PLAZA LAS AMERICAS, INC.	2-940184	Amended	PLAZA LAS AMERICAS, INC.	ROOSEVELT AVE. INT. EXPRESO LAS	San Juan	Commercial
CARIBBEAN INVESTMENT CENTER	2-920050	Closure	CARIBBEAN INVESTMENT CENTER	KALF ST. #38	San Juan	Commercial
SOL PUERTO LIMITED	2-860963	Amended	SHELL S/S # 002887	MUÑOZ RIVERA AVE., STOP 6 1/2 Puerta de Tierra	San Juan	Gas Station
POLICIA DE PUERTO RICO	2-020014	Closure	BASE AEREA SALVADOR ROIG	AEROPUERTO ISLA GRANDE	San Juan	State Government
Caribbean Petroleum Corporation	2-950059	Closure	PANADERIA ANTIGUA LISBOA	ROOSEVELT AVE. #1316	San Juan	Commercial
ESSO STANDARD OIL CO PR	2-910309	Closure	AUT. DE COMUNICACIONES	MUÑOZ RIVERA AVE. & COLL ST.	San Juan	Utilities
FUNERARIA BUXEDA	2-940078	Closure	FUNERARIA BUXEDA	CESAR GONZALEZ AVE. #574	San Juan	Other
SMURFIT FIBRAS	2-940075	New	SMURFIT FIBRAS INTERNACIONALES	JUAN CALAF ST. TRES MONJITAS	San Juan	Industrial
BERMUDEZ & LONGO, INC.	2-862015	Closure	BERMUDEZ & LONGO, INC.	P.O. BOX 1213	San Juan	Not Listed
ESSO STANDARD OIL CO PR	2-861427	Closure	ESSO- Hosp. del Maestro	AVE. DOMENECH	San Juan	Other
AUTORIDAD FINANCIAMIENTO DE	2-990064	New	COLISEO DE PUERTO RICO	NUEVO CENTRO DE SAN JUAN	San Juan	Not Listed
Egida del Abogado	2-970012	Closure	Egida del Abogado	Ave. Arterial B # 320	San Juan	Residential
AMERICAN LAWN MAINTENANCE	2-860012	Closure	Antillas Exterminating/AMERICAN LAWN	O'NEILL G-4	San Juan	Commercial
MUNICIPIO DE SAN JUAN / DPTO.	2-940289	Closure	CDT DR. JAVIER JAVIER ANTON	CALLE PIÑEIRO ESQ. VALLEJO	San Juan	Local Government
ESSO STANDARD OIL CO PR	2-861416	Closure	GOMEZ HNOS. INC	MUÑOZ RIVERA AVE. CORNER PIÑERO	San Juan	Commercial
U.S. Marine Corp	2-020032	New	Hangar 21, Naval Reservation	Aereopuerto Isla Grande	San Juan	Federal Military
Alruss Extrussion and Finishing Corp.	2-970043	Closure	Alruss Extrussion and Finishing Corp.	Federico Costa # 53	San Juan	Industrial
Condominio Segovia	2-960059	Closure	Condominio Segovia	Calle Sargento Luis Medina	San Juan	Residential
MANUEL I. RAMOS CARLO	2-950001	Closure	EL MONTE CLEANERS	MUÑOZ RIVERA AVE.	San Juan	Other
RADIOTELEPHONE COMM PR INC.	2-890194	Amended	RADIO COMM SERVICES	150 PONCE DE LEON AVE.	San Juan	Utilities
TEXACO PUERTO RICO INC	2-940117	Amended	SANTIESTEBAN CLEMENTE	PONCE DE LEON AVE. #75 PDA. 26	San Juan	Commercial
TEXACO PUERTO RICO INC	2-861651	Closure	ALRUSS EXTRUSSION FINISH CORP	TRES MONJITAS IND. DEV.	San Juan	Not Listed
J.C.PENNEY INC	2-900101	Closure	J.C.PENNEY INC	PLAZA LAS AMERICAS SHOPPING CTR.	San Juan	Commercial
AUTORIDAD DE EDIFICIOS	2-930045	Closure	SUPERINTENDENCIA DE LA POLICIA	ROOSVELT AVE.	San Juan	State Government
TEXACO PUERTO RICO INC	2-861755	Amended	SUIZA DAIRY S/S # 205	ING. C. GONZALEZ AVE. #555	San Juan	Gas Station
SOL PUERTO LIMITED	2-860825	Closure	EL MUNDO, INC.	CARLOS CHARDON AVE.	San Juan	Not Listed
SUCESION MARTI TORRES	2-930061	Closure	SUCESION MARTI TORRES	PONCE DE LEON AVE. #555	San Juan	Commercial

Owner Name	AltFacilityID	Notification Description	Facility Name	Street Address	City	Facility Description
Total Petroleum Puerto Rico Corp.	2-910067	Amended	TOTAL 1012	CENTRAL AVE. #263	San Juan	Gas Station
José Feliciano	2-910020	Closure	Banco Bilbao Vizcaya	MUNOZ RIVERA AVE. #254	San Juan	Commercial
PUERTO RICO NATIONAL GUARD	2-861928	Closure	Hato Rey Armory	HATO REY ARMORY	San Juan	State Government
SUPERIOR PAINT MFG, INC	2-861068	Closure	SUPERIOR PAINT MFG, INC	TRES MONJITAS IND PARK	San Juan	Industrial
BANCO POPULAR DE P.R.	2-940195	Closure	BANCO POPULAR DE P.R.	BUONOMO ST. END	San Juan	Other
LUIS SIERRA	2-960029	Closure	L.S. QUILTING & TEXTILES INC.	AVE. JOSEOLIVER ESQ.MANUEL CAMUÑAS	San Juan	Industrial
ESSO STANDARD OIL CO PR	2-861448	Amended	ADMINISTRADOR TERRENOS	CHARDON AVE.	San Juan	State Government
UNION DE INVERSIONES II/ARQ.	2-990045	Closure	UNION PLAZA	AVE. PONCE DE LEON #416	San Juan	Commercial
P.R. COMMUNICATIONS	2-861938	Closure	CENTRAL OFFICE	MUÑOZ RIVERA AVE./COLL Y TOSTE	San Juan	Utilities
MUNICIPIO DE SAN LORENZO	2-890161	Amended	DEPARTAMENTO OBRAS PUBLICAS	APARTADO K,SAN LORENZO	San Lorenzo	Local Government
TEXACO PUERTO RICO INC	2-861734	Amended	JOSE DE DIEGO S/S #367	ROAD 183 KM 9.7	San Lorenzo	Gas Station
Caribbean Petroleum Corporation	2-860360	Amended	GULF S/S 052	RD. 181 KM. 6.1 Bo Jagual	San Lorenzo	Gas Station
Patrick Andrews- Scotiabank	2-010004	Closure	Paradise of P>R> _ Scotiabank	Paradise of Puerto Rico	San Lorenzo	Commercial
ALEJANDRO DAVILA	2-980141	Amended	ALEJANDRO DAVILA	CARR. 183 KM.11.2. ESQ. PR-916	San Lorenzo	Gas Station
COMPAÑIA DE FOMENTO	2-990066	Closure	San Lorenzo Industrial Area and	ST. RD. 183 KM. 8.8	San Lorenzo	Industrial
ALPCO DIV. AMITY LEATHER PROD	2-862014	New	ALPCO DIV. AMITY LEATHER PROD	RD. 183 KM. 8.8	San Lorenzo	Not Listed
COMPAÑIA DE FOMENTO	2-940257	Closure	T-0901-0-68	RD. 183 KM 7.9	San Lorenzo	Utilities
Caribbean Petroleum Corporation	2-860251	Amended	GULF S/S #018	RD. 181 Int. Carr. 183 KM. 30	San Lorenzo	Gas Station
Carlos Montañez	2-861248	Amended	EX-ESSO S/S 2P-263	JOSE DE DIEGO ST. #115	San Lorenzo	Gas Station
PUERTO RICO TELEPHONE CO	2-920039	Amended	San Lorenzo O.C	LUIS MUÑOZ RIVERA ST. Esq Verona	San Lorenzo	Utilities
SOL PUERTO LIMITED	2-910227	Amended	SHELL S/ S 003735	JOSE DE DIEGO ST. #111	San Lorenzo	Gas Station
Caribbean Petroleum Corporation	2-860282	Amended	GULF S/S #066	RD. 181 KM. 1.1 Bo Quemado	San Lorenzo	Gas Station
TEXACO PUERTO RICO INC	2-861250	Amended	Texaco- William Alverio	RD. 181, KM. 13.8	San Lorenzo	Gas Station
VICTOR M TORRES, JULIO TORRES	2-900077	Amended	Cerro Gordo S/S	RD.916 KM 1.0	San Lorenzo	Gas Station
TEXACO PUERTO RICO INC	2-861726	Amended	SAN LORENZO S/S # 287	ROAD 181 KM 2.1	San Lorenzo	Gas Station
Total Petroleum Puerto Rico Corp.	2-910136	Amended	GPR #1225	RD.183 KM 2.6	San Lorenzo	Gas Station
GEORGE BORGES CONTRERAS	2-940074	Amended	EL PUEBLO S/S	LUIS RIVERA ST. #160	San Lorenzo	Gas Station
Caribbean Petroleum Corporation	2-860170	Amended	GULF S/S #149	RD 183 KM 3.9	San Lorenzo	Gas Station
LANCO MTG CORP	2-860788	Closure	LANCO MTG CORP	URB. APONTE #5	San Lorenzo	Industrial
CIA PETROLERA CARIBE INC	2-860741	Closure	Vazquez S/S	RD. 119 KM 27.6	San Sebastian	Gas Station
Santos Vazquez	2-990073	Amended	Vazquez Service Station	Carr. 119 K. 29 Bo. Hoya Mala	San Sebastian	Gas Station
ESSO STANDARD OIL CO PR	2-861314	Amended	ESSO S/S 2P-331	RD. 125, KM. 20.1	San Sebastian	Gas Station
JOSE LUIS GONZALEZ	2-940018	Amended	LEE S/S	ST RD #111, KM 30.3	San Sebastian	Gas Station
Autoridad de Acueductos y	2-920062	Closure	PLANTA DE FILTROS SAN SEBASTIAN	RD. 449 END	San Sebastian	Utilities
PUERTO RICO TELEPHONE CO	2-890065	Closure	SAN SEBASTIAN C.O.	M J CABRERA ST., RD. #119 KM 34	San Sebastian	Utilities
Municipio San Sebastian	2-980034	Amended	Garage Municipal	Carr.446 Sector Salcipedes	San Sebastian	Local Government
CIA PETROLERA CARIBE INC	2-910361	Amended	TORREFACCION CAFE COQUI	RD. #435	San Sebastian	Gas Station
Agustin Font	2-020030	Closure	Agustin Font	Calle E. Hostos No. 28	San Sebastian	Gas Station
RUBEN FIGUERO & MARIA CORTES	2-900052	New	Figueroa S/S	RD. #125 KM 16.8, Hato Arriba Ward	San Sebastian	Gas Station
Autoridad de Energia Electrica	2-860755	Amended	TALLER DE MECANICA AUTOMOTRIZ	Carr. 119 Salida hacia Camuy	San Sebastian	Utilities
JOSE M. RODRIGUEZ CORIANO	2-930028	Amended	SALTOS SERVICE STATION	RD. 445, KM 1.1	San Sebastian	Gas Station
CIA PETROLERA CARIBE INC	2-860736	New	CIA PETROLERA CARIBE INC	RD. #111	San Sebastian	Gas Station
ISGARDO FUENTES	2-860726	Amended	Servicentro Fuentes	RD 111 km 31.8	San Sebastian	Gas Station
CIA PETROLERA CARIBE INC	2-860731	Amended	CIA. PETROLERA CARIBE, INC,	Ave. Estrada #1500	San Sebastian	Gas Station

Appendix X

Environmental Questionnaire & Additional Relevant Documentation

ENVIRONMENTAL QUESTIONNAIRE

CLIENT: HOPE Metropolitan Community, LLC

SITE: Improved Commercial Lot

Road PR-21 Km 2.9, Monacillos Ward,
 STREET ADDRESS OF SUBJECT PROPERTY

San Juan
 CITY

Puerto Rico
 STATE

00921
 ZIP CODE

Ihosvany Negret MS. M. Eng. – Environmental Consultant

NAME & TITLE OF PARTY COMPLETING QUESTIONNAIRE

400 Calle Juan Calaf, Suite 235 San Juan PR 00918
 STREET ADDRESS CITY STATE ZIP

CTS Group, Inc. 787.247.0640 info@ctsgrouppr.com
 NAME OF FIRM PHONE NUMBER E-MAIL

NAME AND POSITION OF INTERVIEWED PERSONS:

Mr. Luis G. Montanez – Owner Representative

Mrs. Suhail Gomez – Site Manager Representative

Mr. Ihosvany Negret - CTS Group – Environmental Professional

ENVIRONMENTAL QUESTIONNAIRE

CTS Group Inc. Ingenieros & Consultores Ambientales
 400 Calaf, Ste. 235
 San Juan, PR 00918
 Tel: 787.247.0640 info@ctsgrouppr.com

Persons to be Questioned – The following questions should be asked of

- ☐ the current owner of the property
- ☐ any commercial occupant of the property (residential occupants do not need to be asked the questions)
- ☐ any other occupant likely to be using, treating, generating, storing or disposing of hazardous substances or petroleum products on or from the property.

The preparer should ask each person to answer all questions to the best of the respondent's actual knowledge and in good faith. When completing the site visit portion of the questionnaire the preparer should be sure to observe the property and the buildings and other structures on the property. All questions should be answered as indicated in the form.

	QUESTION	LENDER/SERVICER OR OBSERVED DURING SITE VISIT	OWNER	OCCUPANTS
1.	Is the <i>property</i> or any <i>adjoining property</i> used for an industrial use?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
2.	To the best of your knowledge, has the <i>property</i> or any <i>adjoining property</i> been used for an industrial use in the past?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
3.	Is the <i>property</i> or any <i>adjoining property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
4.	To the best of your knowledge has the <i>property</i> or any <i>adjoining property</i> been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
5.	Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown

	QUESTION	LENDER/SERVICER OR OBSERVED DURING SITE VISIT	OWNER	OCCUPANTS
	automobile or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?			
6.	Are there currently, or to the best of your knowledge have there been previously, any industrial <i>drums</i> (typically 55 gal [208 L]) or sacks of chemicals located on the property or at the facility?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
7.	Has <i>fill dirt</i> been brought onto the property that originated from a contaminated site or that is of an unknown origin?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
8.	Are there currently, or to the best of your knowledge have there been previously, any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
9.	Is there currently, or to the best of your knowledge have there been previously, any stained soil on the <i>property</i> ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
10.	Are there currently, or to the best of your knowledge have there been previously, any unregistered storage tanks (above or underground) located on the <i>property</i> ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
11.	Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown

	QUESTION	LENDER/SERVICER OR OBSERVED DURING SITE VISIT	OWNER	OCCUPANTS
	protruding from the ground on the <i>property</i> adjacent to any structure located on the <i>property</i> ?			
12.	Are there currently, or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
13.	If the <i>property</i> is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated contaminated by any government environmental/health agency?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
14.	Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of <i>environmental liens</i> or governmental notification relating to the past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
15.	Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the past or current existence of <i>hazardous substances</i> or petroleum <i>products</i> or environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
16.	Does the <i>owner</i> or <i>occupant</i> of the property have any knowledge of any environmental site assessment of the <i>property</i> or facility that indicated the presence of <i>hazardous substances</i> or	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown

	QUESTION	LENDER/SERVICER OR OBSERVED DURING SITE VISIT	OWNER	OCCUPANTS
	<i>petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?			
17.	Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any <i>hazardous substance</i> or <i>petroleum products</i> involving the <i>property</i> by any owner or occupant of the <i>property</i> ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
18.	Does the <i>property</i> discharge wastewater on or adjacent to the <i>property</i> other than storm water into a sanitary sewer system?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
19.	To the best of you knowledge, have any <i>hazardous substances</i> or <i>petroleum products</i> , unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the <i>property</i> ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
20.	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCB's on the <i>property</i> ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown

Please provide details relating to any question answered "yes" in the space provided. Attach additional sheets or informative documents if necessary.

The Environmental Professional must complete the following required information.

CTS Group Inc. Ingenieros & Consultores Ambientales
 400 Calaf, Ste. 235
 San Juan, PR 00918

This questionnaire was completed by:

Name:	Ihosvany Negret MS. M. Eng.
Title:	Lead Environmental Consultant
Firm:	CTS Group, Inc.
Address:	400 Calaf St. Ste. 235 San Juan, PR 00918
Phone Number:	787-247-064
Date:	October 13, 2021

If the preparer is different than the user, complete the following:

Name of Users:	HOPE Metropolitan Community, LLC
Address of Users:	San Juan, PR.
Phone Number of User:	
Relationship of Preparer to Site:	None
Relationship of Preparer to User:	Consultant

The undersigned represents that to the best of his/her knowledge the above statements and facts are true and correct and to the best of his/her knowledge no material facts have been suppressed or misstated.

Date: October 25, 2021

Signature: 

Title: Environmental Professional



"NUESTRA RESPONSABILIDAD POR ERRORES, OMISIONES O NEGLIGENCIA COMETIDA EN EL PROCESO DE INVESTIGACIÓN, RECOPIACIÓN DE INFORMACIÓN Y/O EN LA REDACCIÓN DE ESTUDIOS DE TÍTULO ESTÁ LIMITADA A LA CANTIDAD PAGADA POR EL ESTUDIO DE TÍTULO. PARA MAYOR PROTECCIÓN LE RECOMENDAMOS QUE ADQUIERA UN SEGURO DE TÍTULO Y UNA CERTIFICACIÓN REGISTRAL".

Professional Title Services

5869 Isla Verde Ave. Apt. 1209 I
CAROLINA, PUERTO RICO 00979

CEL: (787) 413-3181
ATH Móvil: (787) 403-9814
lmhprotitle@mac.com

NOTICE

CASO: POPULAR INSURANCE - SUHAIL GOMEZ
IGLESIA CRISTIANA DISCIPULOS DE CRISTO EN P.R.

FINCA: No.27047 inscrita al folio 93 del tomo 923 de Monacillos, Registro de la Propiedad, Sección 3ra. de San Juan.

DESCRIPCION:

RUSTICA: Predio de terreno identificado en el plano como Parcela F-2, situada en el Barrio Monacillos del término municipal de Río Piedras, con una cabida superficial de 10,329.2593 metros cuadrados, equivalentes a 2.628 cuerdas. Colindando por el Norte, con la Carretera Estatal conocida como PR-21; por el Sur, con el Lote D segregado y con el Residencial Público San Fernando; por el Este, con la intersección de la Carretera PR-21 y la Avenida José de Diego; y por el Oeste, con los Lotes C y D sesegados.

Es el Remanente de esta finca luego de deducidas las segregaciones de:

- 1.- LOT C de 2118.7491 metros cuadrados equivalentes a 0.5391 cuerda, finca No.27226 inscrita al folio 48 del tomo 944 de Monacillos
- 2.- LOT D de 1076.6618 metros cuadrados equivalentess a 0.2739 cuerda, finca No.27227 inscrita al folio 53 del tomo 944 de Monacillos

Según la Escritura No.141 otorgada en San Juan el 3 de junio de 2010 ante Gilberto Oliver Vázquez, inscrita al folio 93 del tomo 923 de Monacillos, finca No.27047, inscripción 5ta.

TRACTO REGISTRAL:

Se segrega de la finca No.18832, inscrita al folio 55 del tomo 924 de Monacillos.

DOMINIO:

CONSTA INSCRITA a favor de LA IGLESIA CRISTIANA (DISCIPULOS DE CRISTO) EN PUERTO RICO INC., quien adquirió por título de permuta de La Autoridad de Carreteras y Transportación de Puerto Rico, a cambio de otra finca, con un valor de \$2,444,225.00, según la escritura No.51, otorgada en San Juan, el 17 de octubre de 2006, ante Ismael Alvarez Burgos, inscrita al folio 93 del tomo 923 de Monacillos, finca No.27047, inscripción 2da.

GRAVAMENES:

- 1.- Por su procedencia está afecta a:
 - a.- Servidumbre de paso para acueducto para la instalación de una tubería de 6” de diámetro para servicio de agua para el Hospital de la Administración de Veteranos.
- 2.- HIPOTECA: Por la suma principal de \$837,000.00, con intereses al 7.99% anual y vencimiento a la presentación, en garantía de un pagaré a favor de Westernbank Puerto Rico, o a su orden, constituida por la escritura No.831, otorgada en San Juan, el 17 de octubre de 2006, ante Juan Carlos Ortega Torres, inscrita al folio 93 del tomo 923 de Monacillos, finca No.27047, inscripción 3ra.

MODIFICADA la hipoteca por \$837,000.00 en cuanto a los intereses que serán al prime rate anual, mediante la escritura No.91 otorgada en San Juan el 27 de agosto de 2007 ante Genevieve López Stipes, inscrita al folio 93 del tomo 923 de Monacillos, finca No.27047, inscripción 4ta.

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CEL: (787) 413-3181
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NOTICE

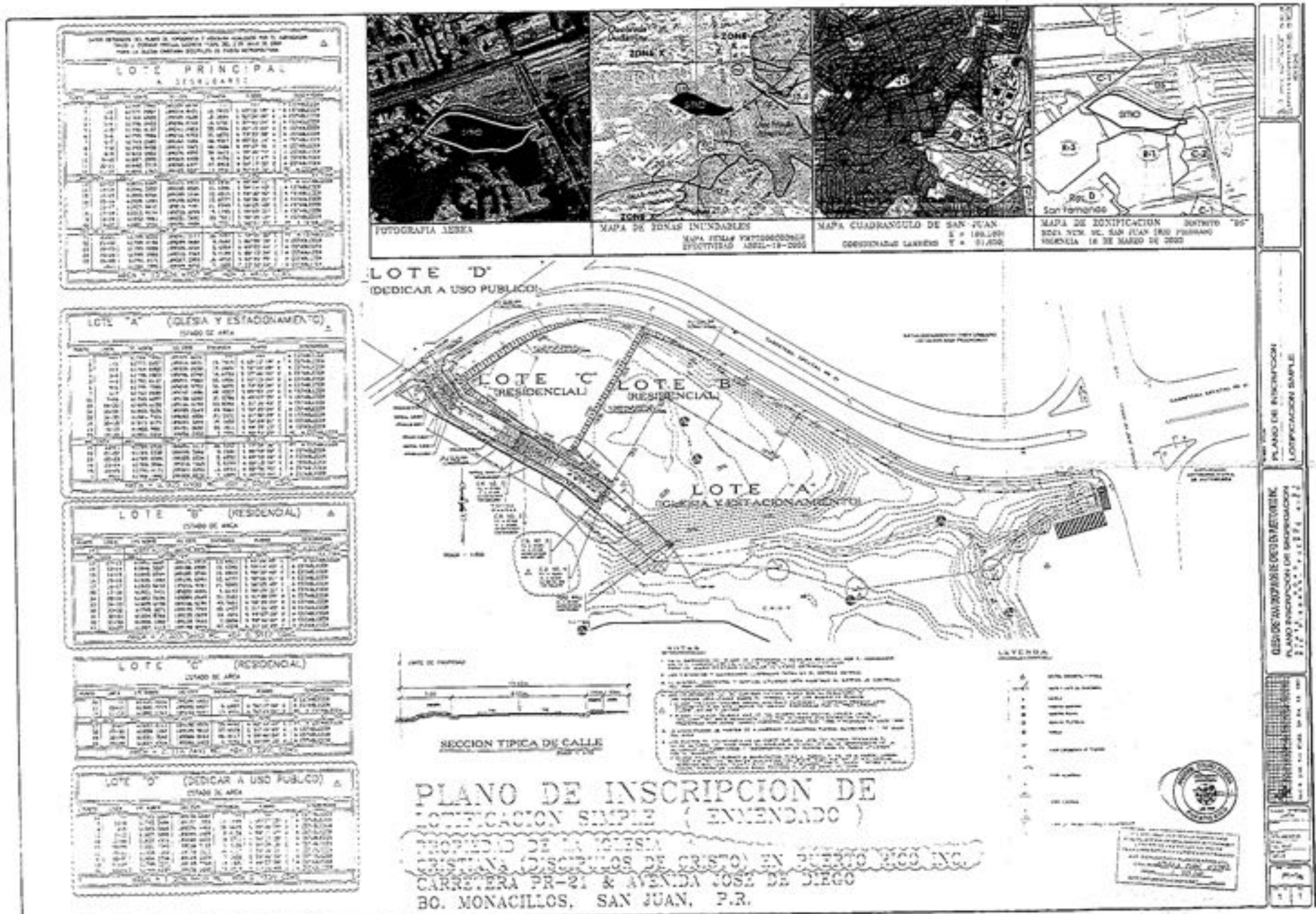
3.- HIPOTECA: Por la suma principal de \$1,180,841.00, con intereses al 4.99% anual y vencimiento en 13 años a partir del 23 de mayo de 2013, en garantía de un pagaré a favor de Board of Church Extension of Disciples of Christ Inc., o a su orden, según la Escritura No. 40, otorgada en Toa Baja el 23 de mayo de 2013 ante Priscilla Alvarez Torres, inscrita al Tomo Karibe de Monacillos, finca No. 27047, inscripción 6ta.

REVISADOS: Registros de embargos, sentencias, contribuciones federales y bitácora computarizada hasta el 5 de agosto de 2019.

AGOSTO 5, 2019.- Realizado personalmente en el Registro 9:30 AM
LMH

"NUESTRA RESPONSABILIDAD POR ERRORES, OMISIONES O NEGLIGENCIA COMETIDA EN EL PROCESO DE INVESTIGACIÓN, RECOPIACIÓN DE INFORMACIÓN Y/O EN LA REDACCIÓN DE ESTUDIOS DE TÍTULO ESTÁ LIMITADA A LA CANTIDAD PAGADA POR EL ESTUDIO DE TÍTULO. PARA MAYOR PROTECCIÓN LE RECOMENDAMOS QUE ADQUIERA UN SEGURO DE TÍTULO Y UNA CERTIFICACIÓN REGISTRAL".

<p>ESTADO LIBRE ASOCIADO DE PUERTO RICO ADMINISTRACION DE REGLAMENTOS Y PERMISOS CENTRO EXPRESO DE TRAMITE</p> <p>APROBACION DE PLANO DE INSCRIPCION PROYECTOS DE LOTIFICACION</p> <p>Certificado / Otros / Privado</p> <p>IGLESIA CRISTIANA DISCIPULOS DE CRISTO EN P.R. INC. ENMIENDA PARA CORREGIR DUEÑO Y CABIDA SEGUN MENSURA</p>	
<p>De conformidad con las disposiciones legales y reglamentarias, se expide la Aprobación de Plano de Inscripción para PROYECTOS DE LOTIFICACION en la propiedad que ubica en:</p> <p>CARR 21 & AVE. JOSE DE DIEGO BO. MONACILLOS SAN JUAN, PR</p> <p>Dueño(s) _____ 1 IGLESIA CRISTIANA DISCIPULOS DE CRISTO EN P. R. INC. (Primario)</p> <p>Proponente / Contacto(s) _____ 1 Proyectista - Andres Otero Rivera</p> <p>Certificado por _____ 1. Arg. Andres Otero, Llo. No. 7405</p> <p>Folio / Tomo / Plots: 162 - 423 - 5 Coordenadas Lambert X / Y: 189160 / 61850</p>	<p>Número de Radicación: 08LI2-CET01-03732</p> <p>Número de Catastro: 17-086-000-009-29-000</p> <p>Casos de Referencia: Consulta de Ubicación: 2003-17-0665-JIPUTU : 07L52-CETCO-00533</p> <p>Zonificación / Características _____ Zonificación 1: DS Accesos: Públicos Cabida Escritura: 3.44 cuerdas Cabida Mensura: 3.44 cuerdas Fecha de Vigencia (Inund): 19-4-05 Fecha de Vigencia (Zoni): 18-3-03 Número Hoja Mapa Inundables: 720</p> <p>Descripción Legal _____ NORTE: CARR 21 SUE: RES SAN FERNANDO ESTE: AVE JOSE DE DIEGO OESTE: SUCH PABLO LANDRAU</p>
<p>Atributos / Características</p>	<p>Condiciones Especiales:</p> <p>Los solares a incluir: Solar: Cabida A: 8,005.6000 mc B: 2,329.5693 mc C: 2,118.7491 mc D: 1,076.6518 mc Final de Condiciones Especiales</p>
<p>La parte adversamente afectada por una resolución u orden parcial o final, podrá, dentro del término de VEINTE (20) días desde la fecha de archivo en autos de su notificación, presentar una moción de reconsideración ante la Secretaría de la oficina correspondiente que emitió la decisión. La agencia dentro de los QUINCE (15) días, de haberse presentado dicha moción deberá considerarla. Si la rechazara de plano o no actuara dentro de los QUINCE (15) días, el término de TREINTA (30) días para solicitar apelación a la Junta de Apelaciones sobre Construcciones y Lotificaciones, comenzará a correr nuevamente desde que se notifique dicha decisión denegatoria o desde que expiren esos QUINCE (15) días, según sea el caso.</p> <p>Si se tomara alguna determinación en su consideración, el término para solicitar apelación a la Junta de Apelaciones sobre Construcciones y Lotificaciones, empezará a contarse desde la fecha en que se archive en autos una copia de la notificación de la resolución de la agencia resolviendo definitivamente la moción, cuya resolución deberá ser emitida y archivada en autos dentro de los NOVENTA (90) días, siguientes a la notificación de la moción. Si la agencia dejare de tomar alguna acción con relación a la moción de reconsideración dentro de los NOVENTA (90) días de haber sido radicada una moción acogida para resolución, perderá jurisdicción sobre la misma y el término para solicitar la apelación empezará a contarse a partir de la expiración de dicho término de NOVENTA (90) días salvo que la agencia, por justa causa y dentro de esos noventa (90) días, prorrogue el término para resolver, por un tiempo razonable, período que no excederá de treinta (30) días.</p> <p>Si no se radica la reconsideración, la parte interesada podrá optar por radicar directamente una apelación ante la Junta de Apelaciones sobre Construcciones y Lotificaciones, dentro del término de TREINTA (30) días naturales, contados a partir de la fecha del depósito en el correo de la notificación de la determinación de A.R.P.E., certificando haberla notificado con copia de la misma a todas las partes interesadas.</p> <p>La autorización aquí emitida no tiene el propósito ni alcance de anular cualquier restricción privada (servidumbre en propiedad) que resulte inconsistente con el permiso aquí concedido. La parte que se sienta así agravada, podrá radicar un procedimiento civil de sentencia declaratoria e injunción en el Tribunal de Primera Instancia con competencia.</p>	
<p>ESTADO LIBRE ASOCIADO DE PUERTO RICO ADMINISTRACION DE REGLAMENTOS Y PERMISOS CENTRO DE SERVICIOS TECNICOS</p> <p>APROBADO</p> <p>ARPE</p> <p>Este documento no es válido sin la presencia y el de grito indicando APROBADO ARPE</p>	<p>Ing. Jorge I. García Faneyll ADMINISTRADOR</p> <p>Autorizado por: <i>Ing. Héctor Rodríguez Chavarría</i> Gerente</p> <p>CENTRO EXPRESO DE TRAMITE</p> <p>Fecha de Aprobación: 10-30-2009</p> <p>Fecha Expedido: 3 NOV 2009</p>



Appendix XI
Reliance Letter
Evidence of Insurance



October 25, 2021

HOPE Metropolitan Community, LLC.

**RE: Casa Metropolitana II (the “Project”)
Road PR-21 Km 2.9, Monacillos Ward
San Juan, Puerto Rico**

Ladies and Gentlemen:

CTS Group, Inc. (“Consultant”) agrees and acknowledges that Puerto Rico Housing Authority, HOPE Metropolitan Community, LLC. and each of their respective successors and assigns (the “Relying Entities”) are authorized by Consultant to rely without limitation on the information, recommendations, and other contents of the following environmental reports, which was prepared by Consultant in connection with the Project:

- ASTM E 1527-13 Environmental Site Assessment Phase I dated October 25, 2021.

The Phase I Environmental Site Assessment Reports were prepared in accordance with ASTM E 1527-13 as authorized by EPA’s All Appropriate Inquiries Final Rule. Consultant also agrees and acknowledges that the entities set forth above are authorized to rely on all other environmental reports, studies, letters, data, information, or recommendations prepared by Consultant in connection with the Project.

Consultant acknowledges that it maintains a Pollution Incident Liability and Professional Liability insurance with limits of at least \$1,000,000 per occurrence. Consultant agrees and acknowledges that it shall not limit its liability in an amount less than said insurance coverage to the Relying Entities, notwithstanding any limitations on liability set forth in the Phase I Reports or any other environmental reports, studies, letters, data, information, or recommendations, or any terms and conditions agreed to as part of preparation of the referenced documents.

Very truly yours,



CTS Group, Inc.
By: Ihosvany Negret Lapeira, MS, M. Eng.
Its: Environmental Professional



PRODUCER: EASTERN AMERICA INSURANCE AGENCY

P.O. BOX 193900

SAN JUAN, PR 00919-3900

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURED CTS GROUP, INC.

400 CALLE CALAF, SUITE 235

SAN JUAN, PR 00918

INSURER A: CONTINENTAL CASUALTY COMPANY

INSURER B:

INSURER C:

INSURER D:

INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR _____ GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC				EACH OCCURRENCE \$ FIRE DAMAGE (Any one fire) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Each accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
	EXCESS LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
	WORKERS COMPENSATION AND EMPLOYERS LIABILITY				W C STATU- TORY LIMITS OTHER \$ E.L. EACH ACCIDENT \$ E.L. DISEASE-EA EMPLOYEE \$ E.L. DISEASE-POLICY LIMIT \$
A	OTHER ARCHITECTS ENGINEERS & CONSULTANTS	EEH591922807	09/07/2021	09/07/2022	LIMITS OF LIABILITY \$1,000,000 PER CLAIM \$1,000,000 AGGREGATE \$1,000 DEDUCTIBLE

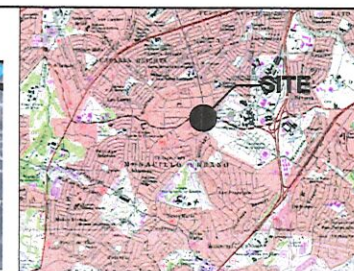
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS
 LIMITED TO PROFESSIONAL SERVICES RENDERED

CERTIFICATE HOLDER	ADDITIONAL INSURED; INSURER LETTER:	CANCELLATION
PR HOUSING FINANCE AUTHORITY 606 BARBOSA AVE SAN JUAN PR		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE EASTERN AMERICA INSURANCE AGENCY, INC.
FILE # H89079	CERT # 10	PROD # 1463 OCP

IMPORTANT
 If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s). If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement.
 House I - ASTM 1527-13 - HOPE Metropolitan Community LLC. (Casa Metropolitana II) - San Juan, PR.

This Certificate of Insurance does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

Exhibit D



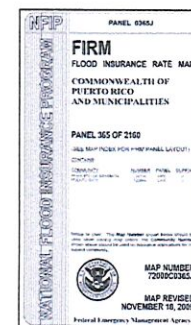
LOCATION MAP
SCALE: N.T.S.

SURVEYORS NOTE:

1. THE HORIZONTAL CONTROL USED ON THIS PLAN ARE P.R. LAURENT 63 AND 64 AND ELEV. ARE REFERRED TO ORIGINATING POINT (ELEV. 150).
2. ALL HORIZONTAL MEASUREMENTS ARE IN DECIMAL UNITS OF METER.
3. LAURENT SYSTEM WAS ESTABLISHED BY GPS OBSERVATIONS USING TRIMBLE RS DOUBLE FREQUENCY RECEIVER.

PROPOSED PROJECT: Casa Metropolitana 2
LOCATED AT: STATE ROAD PR-21, KM. 2.6, MONACILLOS
SAN JUAN, PUERTO RICO
CADASTRAL #: 086-047-057-92
PROPOSED ENTRANCE:
LAT: 18°23'22.0394" N
LONG: 66°05'06.9433" W
NORTHING: 261,587.480 M
EASTING: 236,780.609 M

SURVEYOR'S CERTIFICATION:
 Proposed elderly household is within the Zone X
 according to National Flood Hazard/FIM/Retto Map
 72000C0365J effective 11/18/2008



PO BOX 2075, ABOINITO, P.R., 00705
 TEL. / FAX (787) 746-5039

PROJECT:

**PROJECT LOCATION AT FEMA FIRM MAPS
 FOR
 CASA METROPOLITANA 2
 STATE ROAD PR-21, KM. 2.6,
 MONACILLOS WARD, SAN JUAN, PUERTO RICO**

CERTIFY CORRECT



FERNANDO SANTIAGO, P.E.
 U.C. NO. 17316

FERNANDO
 I am the author
 of this
 document
 2020-10-22
 09:15-04:00

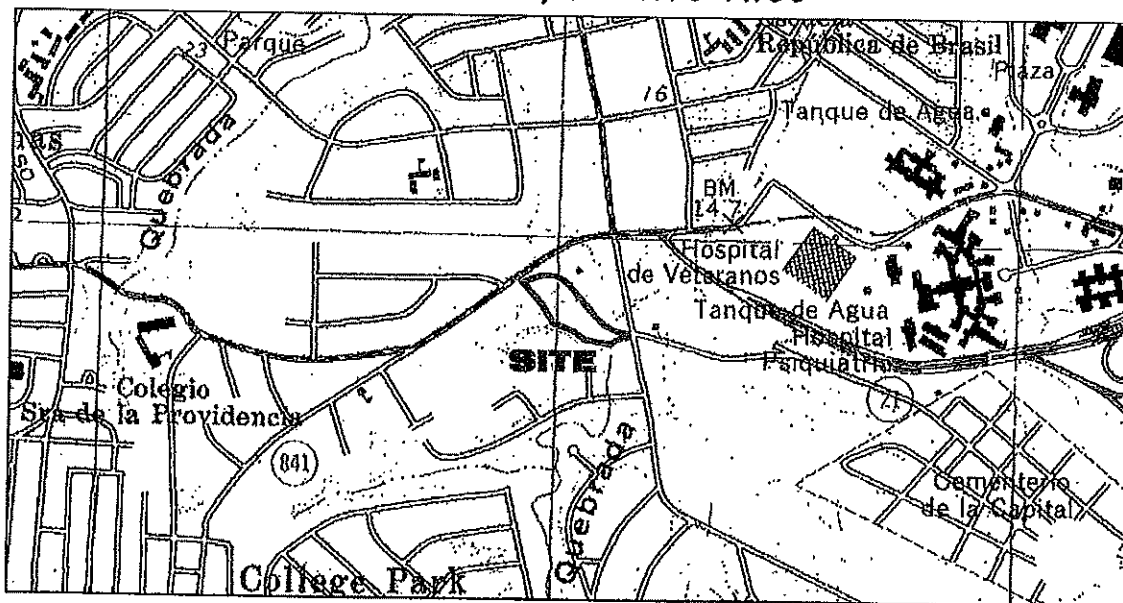
REVISIONS:

NO.	DATE	DESCRIPTION	BY	CHKD.	DATE	DESCRIPTION	BY	CHKD.
1	10/22/2020	ISSUED FOR PERMIT	F.S.					
1	10/22/2020	ISSUED FOR PERMIT	F.S.					
TOTAL SHEETS				1				

Exhibit E

ARCHITECNICA
SAN JUAN, PUERTO RICO

HYDROLOGIC-HYDRAULIC STUDY FOR
IGLESIA CRISTIANA DISCIPULOS DE CRISTO METROPOLITANA
SAN JUAN, PUERTO RICO



JULY, 2004

CA Engineering



PO BOX 190332, San Juan, PR 00919-0332
Phone: (787) 748-6106 Fax: (787) 780-0409

Website: <http://www.ca-eng.com/>
E-mail: ancaltec@caribe.net

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HYDROLOGIC-HYDRAULIC STUDY
IGLESIA CRISTIANA DISCIPULOS DE CRISTO METROPOLITANA
SAN JUAN, PUERTO RICO

Casiano Ancalle, P.E.

July, 2004

I. INTRODUCTION

The Iglesia Cristiana Discípulos de Cristo Metropolitana (ICDCM) plans to construct its new facility in a property in the Municipality of San Juan. The project site is located on route PR-21.

The project site is affected by two water courses: the first is the Josefina Creek passing at the eastern limit of the site; and the second is an offsite storm water course coming from the west and crossing the site at its southern limit. Both water courses merge as they exit the project site. The project site is located in floodable Zone II of the Josefina Creek.

The development of the site is going to increase runoff. This increase has to be mitigated according to the stipulations of the Puerto Rico Planning Board Regulation No. 3.

Purpose of Study

The purpose of the study is to determine 100-year water level for the storm water courses, so that improvements into this course can be introduced in order to rescue land for development. Also, and since the project will increase runoff, the study will analyze this runoff increment mitigation in accordance to the Puerto Rico Planning Board Regulation No. 3.

Approach

The following steps have been undertaken throughout the study:

Hydrologic Analysis: The following parameters were determined for the hydrologic analysis: drainage areas, average soil curve number and runoff lag time. Based on these parameters, discharge for 100-years frequency storm was determined for existing and proposed conditions. HEC-1 model was used.

Runoff Mitigation Analysis: A mitigation analysis was made in order to counteract the impact of the proposed development. This analysis was extended as to reduce the risk of flooding in the downstream area. HEC-1 model was used for the mitigation analysis. One hundred-year frequency discharge was analyzed for mitigation. Mitigation for more recurrent storm events was analyzed. Conclusions and recommendations were elaborated.

Hydraulic Analysis: A hydraulic analysis was made in order to estimate the water surface levels for the water courses crossing the site for existing and proposed conditions. The US Army Corps of Engineer's HEC-RAS computer model was used.

Authorization

Eng. Luis Túa on behalf of the owner under a contract with Eng. Casiano Ancalle, principal of CA Engineering, authorized the study.

II. PROJECT BACKGROUND

Location

The proposed development project is located in the state road PR-21, in the Municipality of San Juan. The property total area is approximately 3.4 acres. Figure 1 shows the project site location.

Topography

The existing project area's topography is sloped towards the south. The ground elevation of the site varies between 32 and 17m. (M.S.L.). Most part of it is covered by thick medium size vegetation. Trees and bushes are absent. Rapid surface runoff with low water abstractions (storage and infiltration) occurs in the area.

Water Bodies

The Josefina Creek enters the site from the south, turns ninety degrees to the east to immediately exist the site. An offsite storm runoff discharge coming from the west merges the main water course at the eastern portion of the site.

Flooding

From the regulatory point of view, a small part of the project area is classified as floodable as seen on the Puerto Rico Planning Board flood hazard map Sheet 9C inserted in Figure 6.

Study Level

This study is intended as a design aid for the preparation of construction drawings for the development; so that the minimum floor level be above the 100-year flood level. The study will also serve for the design of the mitigation structure.

Field Study

Eng. Luis Túa provided the development's topographic plan used in this study. Results obtained in this study are based on this information. Appendix H includes the fieldwork.

Former Studies and Flood History

Though studies were made for the areas downstream to the project site, no specific studies were found for the area under study. Hydrologic and hydraulic information for the study was gathered during the study using various sources.

III. HYDROLOGIC ANALYSIS

Methodology

The hydrologic study included the determination of the offsite and the onsite discharges for all drainage areas. These discharges will be used for the hydraulic analysis that will include the sizing of the channeling structures.

The computer program entitled Flood Hydrograph Package (HEC-1), developed by the U.S. Army Corps of Engineers [1990], was used for the performance of the hydrologic analysis. Using this program, the Unit Hydrograph method and the Runoff Curve Number (CN) method, both developed by the Soil Conservation Service (SCS), were applied to determine the design hydrograph. This was computed by a process of translating the rainfall excess into a runoff hydrograph known as convolution.

Peak discharges ranging in frequencies from 100-year were estimated for the existing and proposed conditions.

Drainage Areas

Three drainage areas were identified: The first called SITE has been identified as the project site. The second Basin 1 is an offsite area about 560 acres; and the third Basin 2 approximately 14 acres of drainage area. Figure 3 shows the location of each drainage area.

At proposed condition, the project area has been divided in two sub-areas (P1 and P2) that will allow runoff mitigation. Figure 2 shows the layout of the project and Figure 4 the drainage areas for proposed condition. Table No 1 shows the watersheds distribution and their approximate areas.

Table 1
Watershed Areas

NAME	DESCRIPTION	AREA (Acres)
SITE	Property before development	3.4
P1	Property after Development	2.14
P2	Property after Development	1.26
BASIN 1	Offsite Area	560
BASIN 2	Offsite Area	14

Curve Numbers

Curve numbers were computed using the SCS methodology. For its application the different soil types and land uses were estimated from SCS [1978] and USGS [1982] respectively. Figure 5 shows the portion of the soil map corresponding to the watersheds and project area. The soil survey shows the area of the property and the two sub-basins as Urban Area (unsurveyed). Therefore, typical values were used for each drainage area. Curve Number values ranging between 88 and 95 are commonly used for developed areas. Appendix A shows the physiographic characteristics of the watersheds and the Curve Number (CN) Calculations.

Lag Time

The T_{Lag} was estimated using the SCS method defined as:

$$T_{Lag} = \frac{L^{0.8}(S+1)^{0.7}}{1900 Y^{0.5}}$$

where ;

- L = channel length (ft)
- S = $1000/CN - 10$
- Y = average watershed slope

Detailed Lag Time calculations are shown in Appendix A.

Rainfall Data

The variation of rainfall volume with time was required as part of the storm input for the SCS Curve Number method. Therefore, the development of a design storm with a rainfall frequency and duration was necessary to compute the design hydrograph for the watershed.

Rainfall data used in this study was obtained from the Technical Paper No. 42 (TP-42) [National Weather Service, 1961 for the 0.083 hrs. and 0.25 hrs. the precipitation was calculated from a regression analysis. In Appendix A, a spreadsheet with the calculations and the Frequency-Intensity-Duration curve are shown. The rainfall events of 100 years frequency for different durations for the project area are shown in Table 2.

Table 2
Rainfall for 100 years

Duration (hrs.)	Precipitation			
	10-yr	25-yr	50-yr	100-yr
0.083	0.56	0.68	0.87	1.00
0.25	1.34	1.57	1.93	2.17
1	3.00	3.50	3.60	4.10
2	3.90	4.10	4.60	5.10
3	4.20	4.60	5.10	6.00
6	5.20	6.00	7.00	7.20
12	6.20	7.00	8.00	9.00
24	7.10	8.20	9.20	10.30

Depth-Area Adjustment

Point rainfall estimates obtained from the TP-42 represent values for areas up to 10 mi²; therefore, a depth-area adjustment should be applied to the rainfall data when the watershed area is greater. In this case, the largest watershed is approximate 0.875 mi². Hence, this adjustment was not applied.

Time Distribution of Rainfall

The triangular type methodology was used to distribute the rainfall depth in time. This method is considered acceptable for small areas.

Rainfall Extraction

Rainfall extraction such as the vegetative interception, the depressional storage, and the infiltration were estimated using the SCS's. Runoff Curve Number method. Though this method is used to predict runoff volume directly, the rainfall extraction is incorporated in the model as function of the curve number of the watershed.

Hydrologic Analysis Results

Following HEC-1 methodology, hydrographs were determined for existing and proposed condition. Table 3 shows the results for these conditions. Input and output data for the HEC-1 model are included in Appendix B and Appendix C.

Table 3
Peak Discharges

Watershed	Existing Condition				Proposed Condition			
	10-yr	25-yr	50-yr	100-yr	10-yr	25-yr	50-yr	100-yr
Basin 1	1,300	1,503	1,638	1,872	1,300	1,503	1,638	1,872
Basin 2	70	83	103	117	72	86	104	119
SITE	18	22	28	32	20	24	30	35
B2+SITE	89	107	130	149	92	110	134	153
TOTAL (Josefina Creek)	1,314	1,514	1,656	1,890	1,314	1,514	1,656	1,890

From the inspection of Table 3 it can be observed that the combination of the peak discharges of the Site and the Offsite (Basin 2) increase the watershed outlet for proposed condition. Development of the area produces more runoff. This is to say that the development of the project area produces and increase in runoff that has to be mitigated as required by Puerto Rico Planning Board Regulation No. 3.

IV. HYDRAULIC ANALYSIS

A hydraulic analysis for the two water courses has been made. This analysis will determine the 100-year flood levels and the floodplain foot print. The development of the area requires a small portion of the floodplain be affected by a fill.

The hydraulic analysis was made by using the mathematical model HECRAS developed by the US Corps of Engineers. For this model, the hydraulic regime is steady, uniform, and one-dimensional. The model accepts changes in the geometry of the watercourse, bank- bed-overbank friction coefficient and shapes of hydraulic structures.

The friction coefficient used in the modeling was obtained from visual inspection of the watercourses bed and banks; and cross-checked with the typical values provided by Barnes (1967) and Chow (1959).

Cross sections for both streams used in the model were obtained from the survey work provided by Eng. Luis Túa. Figure 7 shows the location of the cross sections used for the existing condition hydraulic analysis.

Roughness

Manning's coefficients estimated for the modeling ranging from 0.013 to 0.055 for the analyzed water course has been used.

Contraction and Expansion Coefficients

Coefficients of contraction and expansion used are those recommended by the HEC-RAS user's manual. Thus, coefficients of 0.1 and 0.3 respectively were used for gradual transitions and 0.3 and 0.5 where a hydraulic structure is present.

Starting Water Level

The starting water level was taken from the Puerto Rico Planning Board Flood Map. The structures downstream of the project site are not sufficient for conveying the whole discharge from the drainage areas related to the projects site. The base flood elevation of 19.70 meters immediately downstream of the project has been adopted for the hydraulic analysis.

Hydraulics for Existing condition

Since the flood plain in the area is wide spread, the hydraulic analysis for the water courses was made establishing effective conveyance areas. Flood elevations and flood were determined for this condition. Josefina Creek was named River 1 and the unnamed storm water course River2. Appendix E includes the computer output for this condition.

A summary of the results of this analysis is shown in the following Table 4

Table 4
Hydraulic Analysis Results for Existing Condition

River	Reach	Cross Section	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
2	1	10	4.22	21.86	22.37	22.37	22.52	0.01841	1.76	2.40	7.81	1.01
2	1	9	4.22	19.91	20.15	20.38	21.35	0.34966	4.85	0.87	5.62	3.93
2	1	8	4.22	18.86	19.70	19.39	19.74	0.00252	0.93	4.54	8.48	0.41
2	1	7	4.22	17.86	19.71		19.72	0.00011	0.30	14.00	13.31	0.09
2	1	6	4.22	16.56	19.72	17.21	19.72	0.00000	0.08	57.88	48.62	0.02
1	2	5	53.06	14.86	19.69	16.83	19.73	0.00052	0.88	63.91	21.87	0.14
1	2	4	53.06	13.76	19.70	16.08	19.72	0.00007	0.56	109.23	29.00	0.08
1	1	3	53.57	13.06	19.71	14.90	19.71	0.00004	0.44	137.44	34.70	0.06
1	1	2	53.57	13.16	19.70	15.81	19.71	0.00009	0.61	105.38	33.00	0.09
1	1	1	53.57	12.76	19.70	15.10	19.71	0.00006	0.43	135.11	42.00	0.07

Hydraulics for Proposed Condition

Proposed conditions include channeling across the site the offsite storm water course by a 72" diameter pipe, and providing a retention wall in the left bank of the main water course. A schematic layout of the proposed structures are shown in Figure 8. The results of the hydraulic analysis for this condition are included in Appendix F. A summary of the results of this analysis is shown in the following Table 5.

Table 5
Hydraulic Analysis Results for Proposed Condition

River	Reach	Cross Section	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
2	1	10	4.22	21.86	22.37	22.37	22.52	0.01845	1.76	2.40	7.80	1.01
2	1	9	4.22	18.06	20.03	18.69	20.04	0.00013	0.37	11.55	8.51	0.10
2	1	6.5	Culvert									
2	1	6	4.22	14.66	19.76	15.22	19.76	0.00000	0.06	76.95	49.65	0.01
1	2	5	53.06	14.86	19.74	16.83	19.77	0.00050	0.87	64.89	22.15	0.14
1	2	4	53.06	13.76	19.74	15.88	19.76	0.00011	0.68	83.49	18.80	0.10
1	1	3	53.57	13.06	19.71	15.76	19.76	0.00032	1.00	56.41	12.10	0.13
1	1	2	53.57	13.16	19.67	16.03	19.74	0.00053	1.23	46.40	10.70	0.17
1	1	1	53.57	12.76	19.70	15.24	19.72	0.00017	0.69	78.01	19.60	0.11

Results Comparison

Comparison of the hydraulic analysis results indicate that the maximum increase in water surface elevation for the proposed condition is 0.05 m. over the water elevations of the existing condition, for the analyzed water courses as shown in the following Table 6.

Table 6
Water Surface Elevation Comparison

River	Cross Section	Existing (m)	Proposed (m)	Δh (m)
2	10	22.37	22.37	0.00
2	9	20.15	20.03	-0.12
2	6	19.72	19.76	0.04
1	5	19.69	19.74	0.05
1	4	19.70	19.74	0.04
1	3	19.71	19.71	0.00
1	2	19.70	19.67	-0.03
1	1	19.70	19.70	0.00

Minimum Road Way Elevations

Recommended minimum floor elevations for the development will be 0.30 m. over the 100-year flood elevation (W.S. Elev.)

V. RUNOFF MITIGATION ANALYSIS

The development of the site will increase the runoff discharge. The Puerto Rico Planning Board Regulation No. 3 requires a flow mitigation structure wherever an increase in discharge is produced. Therefore, a flow detention structure will be included in the project.

Methodology

The computer program HEC-1 provides means for modeling detention structures. The purpose of detention is that the proposed condition peak discharge does not exceed the existing condition peak discharge. An underground tank will be used for detention.

In this study, the project site has been divided in two drainage areas. The upper drainage area will be discharged into a detention tank and the other directly into the water courses. The location of the detention tank is shown in Figure 8.

Depth-Volume Relations

The proposed tank has 35 square meters base area. Appendix D includes a spreadsheet with the depth-volume relation computations.

Flow – Depth Relations

The control structure is a 15" diameter orifice and a 1.50 meter long weir located at 2.10 meter above the bottom of the tank. A Flow-Depth relation for the mitigation structure was developed using orifice and weir formulas. Appendix D shows the computations for the flow-Depth relationship.

Results

The results of the mitigation analysis show that the proposed detention structures provide appropriate mitigation, within the range of 10 and 100-year frequency discharges. Results are shown in Table 7.

Table 7
Mitigation Analysis Results for 100-yr

AREA	Peak Discharge, cfs		
	Existing Condition	Proposed Condition	Proposed Condition W/Mitigation
BASIN 1	1,872	1,872	1,872
BASIN 2	117	117	117
P1	-	22	20
P2	-	13	13
SITE	32	35	30
B2+SITE	149	153	149
TOTAL (Josefina Creek)	1,890	1890	1890

Input and output data for the HEC-1 model are included in Appendix G

Mitigation Structure Dimensions and Accessories

Final dimensions for the runoff mitigation tank will include a minimum free board of 0.30 meters. Consequently, the tank will conform to the characteristics shown in Table 8.

Table 8
Detention Pond Characteristics

Tank Dimensions	Length	7 m
	Width	5 m
	Height	2.55 m
Outlet	Diameter of Orifice @ bottom	15 inches
	Weir Length @ 2.10 o/bottom	1.50 meters

Figure 9 shows the schematic design of the detention tank.

For the safety of the mitigation analysis, the bottom geometry of the pond has been considered to be rectangular; but another shape can be used as well provided that the magnitude of the area is maintained.

VI. CONCLUSIONS AND RECOMMENDATIONS

The conclusions and recommendations addressed herein are intended as a design aid for the preparation of the construction drawings for the pertaining structures.

The following are the conclusions of this study:

1. The project area is undeveloped. Development will increase the peak runoff discharge from the project site.
2. Part of the project area is located in floodable Zone 2, being the base flood elevation about 19.70 meters above m.s.l.
3. Existing condition discharge is lower than that of the proposed condition. Mitigation is needed.
4. Mitigation reduces the 100-year discharge for proposed condition from 35 to 30 cfs. Which is less than the existing condition. 32 cfs.

The following are the recommendations of this study:

1. Mitigation structure will have the dimensions and accessories indicated in page 15 of this report.
2. A 72" diameter pipe will be used to convey waters from the east offsite area.
3. A retaining wall is proposed in the left bank of Quebrada Josefina, to allow some usable space for the church facilities. Location and dimensions will be as indicated in this study.

4. Minimum road way elevation will be 0.30 meters above the 100-year flood elevation as gotten in this study
5. It is very important to prepare a long-term maintenance plan, which should include the proposed tank and the receiving storm system inspection after each significant discharge events. Damages, if any, must be repaired promptly and properly.

Study Limits

All the recommendations specified in this study must be considered to assure the optimum performance of the proposed discharge mitigation tank and receiving stream. The design engineer will be responsible for elaborating the drawings in conformance with the recommendations of this study.

The results of this study are based on free flow conditions through the hydraulic structures. Proper maintenance must be developed to assure this condition. On the event of the occurrence of any severe obstruction to the flow, the results and recommendations may be impaired. Finally, results and recommendations included in this report must be used only and exclusively by the design engineer for the intended purposes as indicated in this study.

FIGURES

VII. BIBLIOGRAPHY

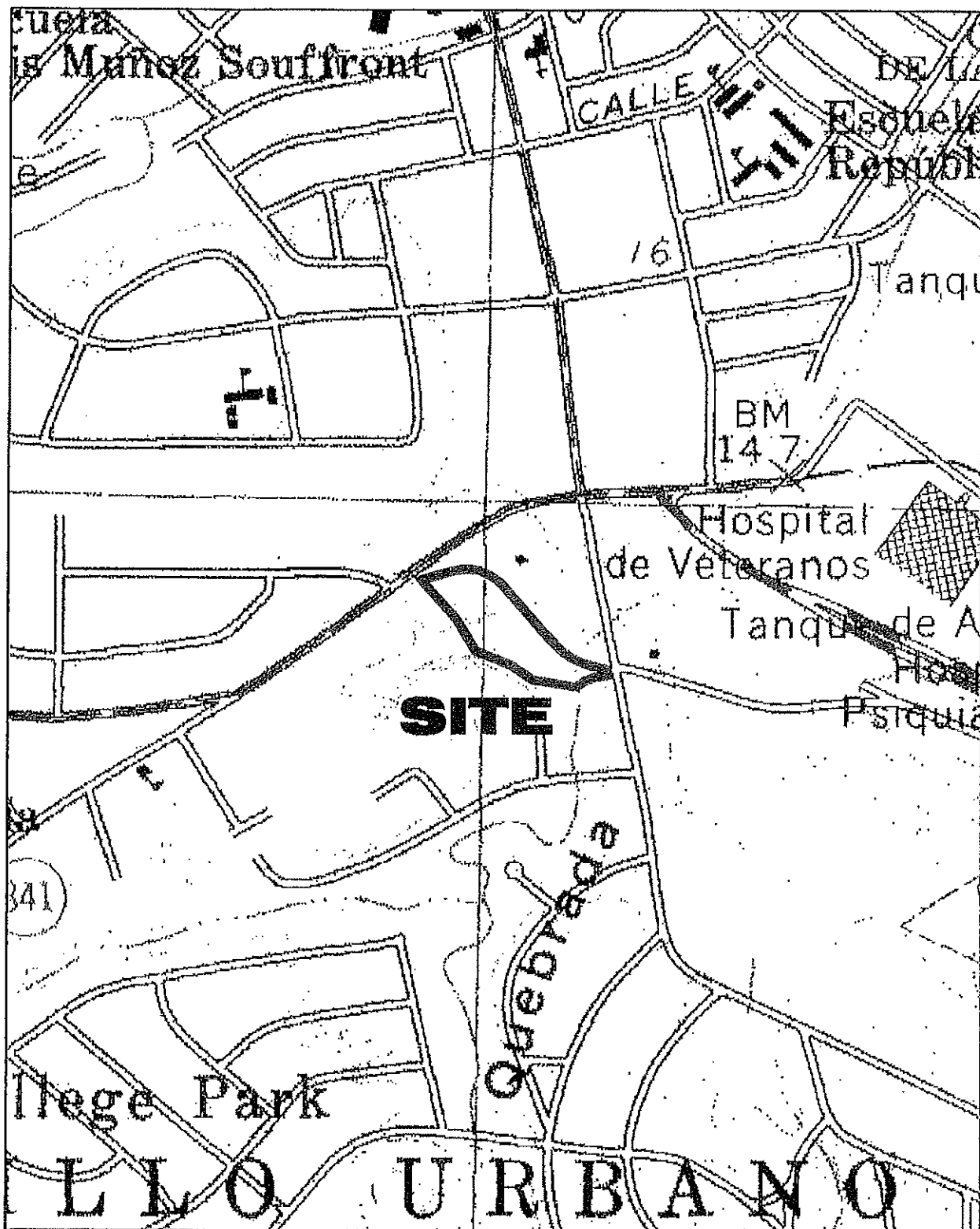
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Partial Copy of USGS Quadrangle of San Juan, PR

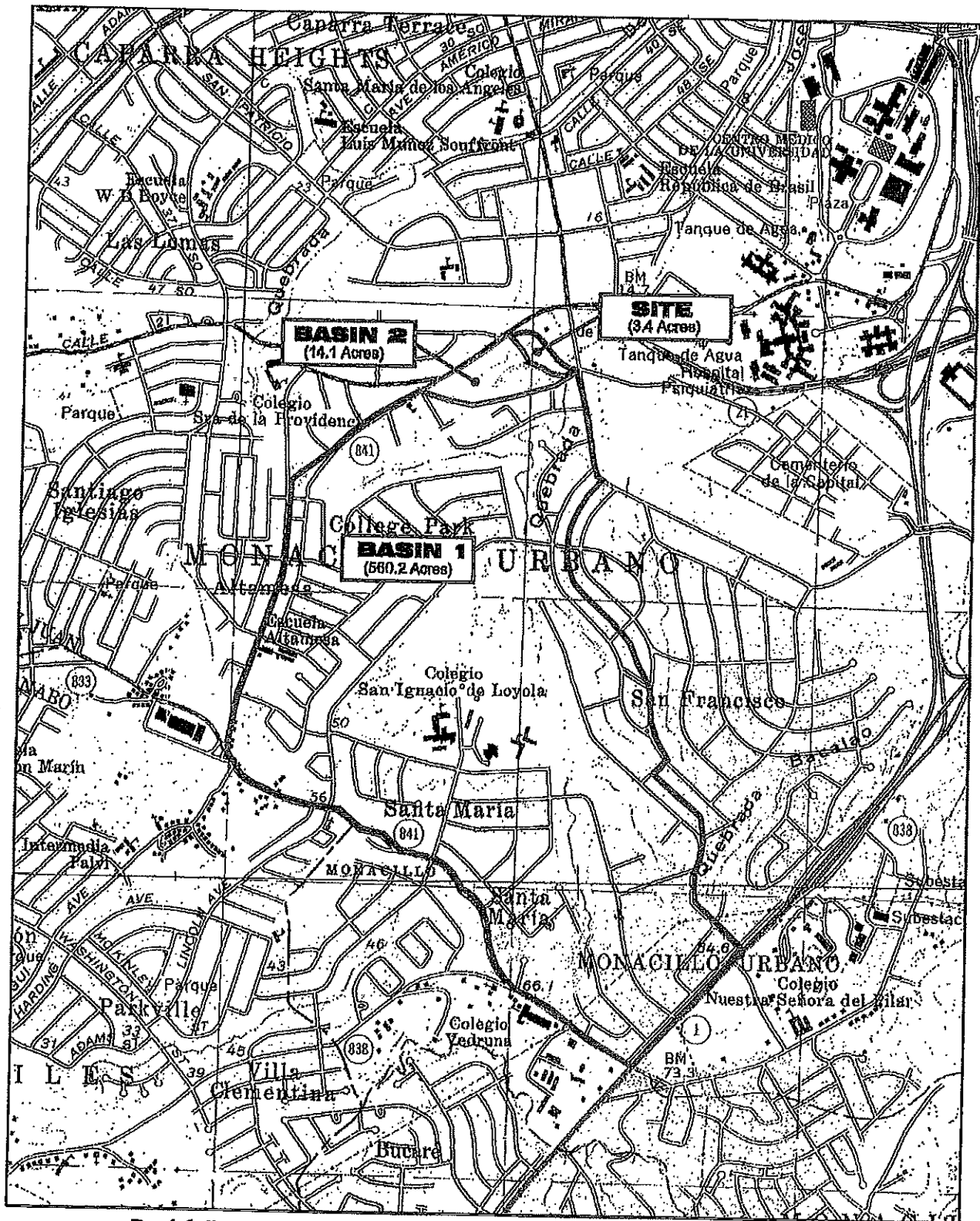
CA Engineering



H/H STUDY — IGLESIA CRISTIANA DISPULOS DE CRISTO, SAN JUAN, PR

Scale: 1:7,500

Figure 1
Location Map



Partial Copy of USGS Quadrangle of San Juan & Aguas Buenas, PR

H/H STUDY — IGLESIA CRISTIANA DISPULOS DE CRISTO, SAN JUAN, PR

Scale: 1:20,000

CA Engineering



Figure 3
Existing Condition Watershed Limits

Exhibit F



NON-FLOOD CERTIFICATION

I, ANDRES OTERO RIVERA, a registered Architect, license no. 7406 in and for the Commonwealth of Puerto Rico, do hereby certify to HOPE Metropolitan Community LLC (the "Owner") that I have conducted a review of the Hydraulic-Hydrologic Study dated July 2004, and of the FEMA Flood Insurance Rate Maps, in specific, the map that applies to the lot with Map ID 72000C0365J, with effective date Nov. 18, 2009, applicable to the *Casa Metropolitana II* project (the "Project") site, comprised of 2,323.5693 square meters, and located at State Road PR-21 and De Diego Avenue, Monacillos ward in the municipality of San Juan, Puerto Rico and have determined the following:

- 1- The Project is located in Zone X, a non-flood zone and outside the flood levels of the FEMA regulatory maps.
- 2- The design of the special distribution of the installations have been designed according to the recommendations in the referenced Hydraulic-Hydrologic Study.

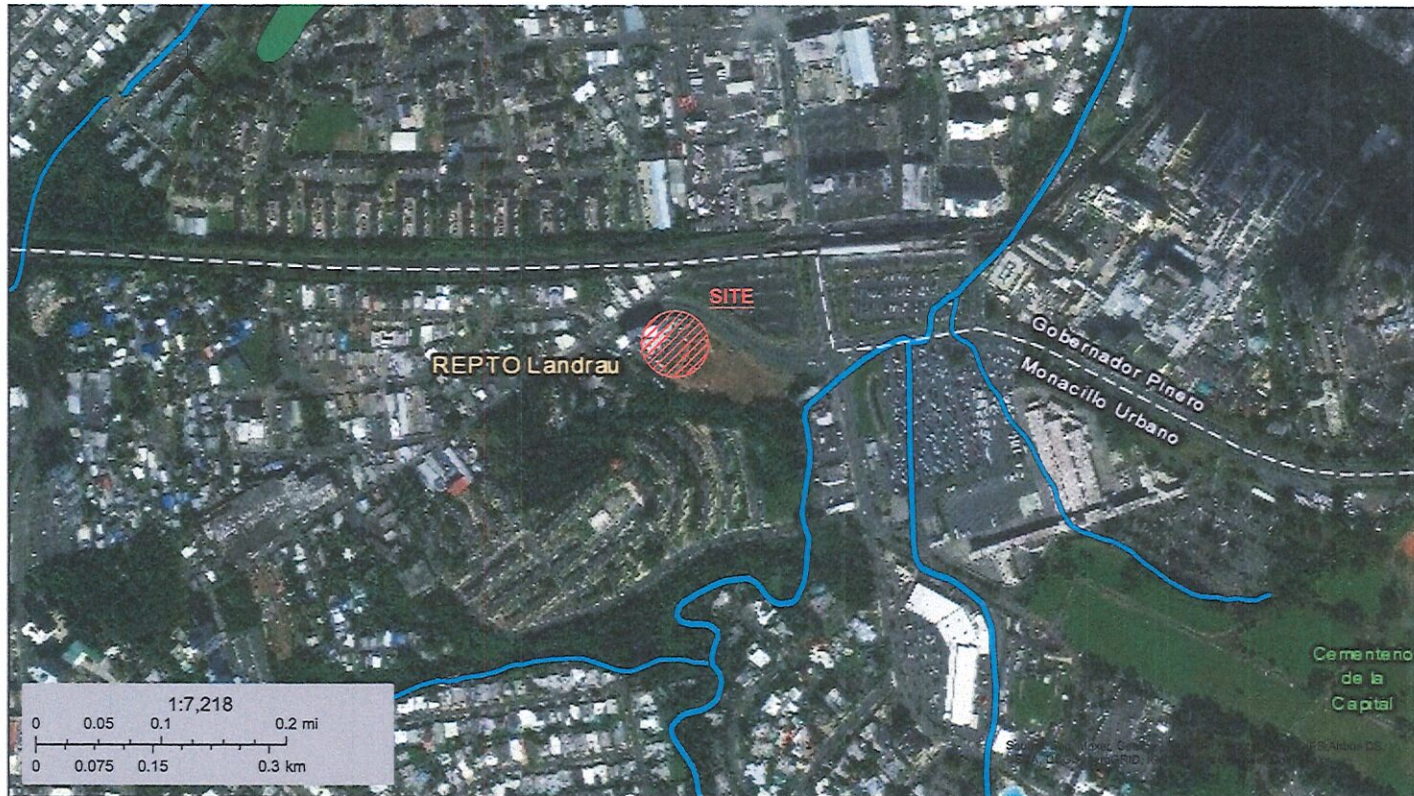
I recognize that HOPE Metropolitan Community LLC, the Puerto Rico Housing Finance Authority, and the Puerto Rico Department of Housing will rely on this certification set forth above for the purpose of developing the site using low-income housing tax credits, and CDBG-DR funds.

Given this 14 day of January of 2022.

Certify correct,

ANDRES OTERO RIVERA
Architect AIA, MArch Lic. 7406

Exhibit G



SURVEYORS NOTE:

1. THE HORIZONTAL CONTROL USED ON THIS PLAN ARE P.R. LAMBERT HAD 83 REV.2011 AND ELEV. ARE REFERRED TO ORTHOMETRIC HEIGHT (OOD 12A).
2. ALL HORIZONTAL MEASUREMENTS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
3. LAMBERT SYSTEM WAS ESTABLISHED BY GPS OBSERVATIONS USING TRIMBLE R6 DOUBLE FREQUENCY RECEIVERS.

PROPOSED PROJECT: Casa Metropolitana 2
LOCATED AT: STATE ROAD PR-21, KM. 2.6, MONACILLOS
SAN JUAN, PUERTO RICO

CADASTRAL #: 086-047-057-92

PROPOSED ENTRANCE:

LAT: 18°23'22.0394" N

CON: 66°05'06.9433" W

NORTHING: 261,587.480 M

EASTING: 236,780.609 M

SURVEYOR'S CERTIFICATION:

Proposed elderly household is outside of any wetland delimitation area according to U.S. Fish and Wildlife Service, National Wetlands Inventory Map. Downloaded on October 7, 2020.

October 7, 2020

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.



PO BOX 2075, AIBONITO, P.R., 00705
 TEL. / FAX (787) 746-5039

PROJECT:

**WETLAND INVENTORY MAP
 FOR
 CASA METROPOLITANA 2
 STATE ROAD PR-21, KM. 2.6,
 MONACILLOS WARD, SAN JUAN, PUERTO RICO**

CERTIFY CORRECT



FERNANDO SANTIAGO, P.L.S.
 LIC. NO. 17316

FERNANDO
 I am the author
 of this document
 2020-10-22
 09:16-04:00

REVISIONS:

NO.	BY	DATE	REVISION
1	F. SANTIAGO	10/14/20	N.T.S.
TOTAL SHEETS			

Exhibit H



U.S. Fish and Wildlife Service Coastal Barrier Resources System

Casa Metropolitana II



February 4, 2022

CBRS Units

- Otherwise Protected Area
- System Unit

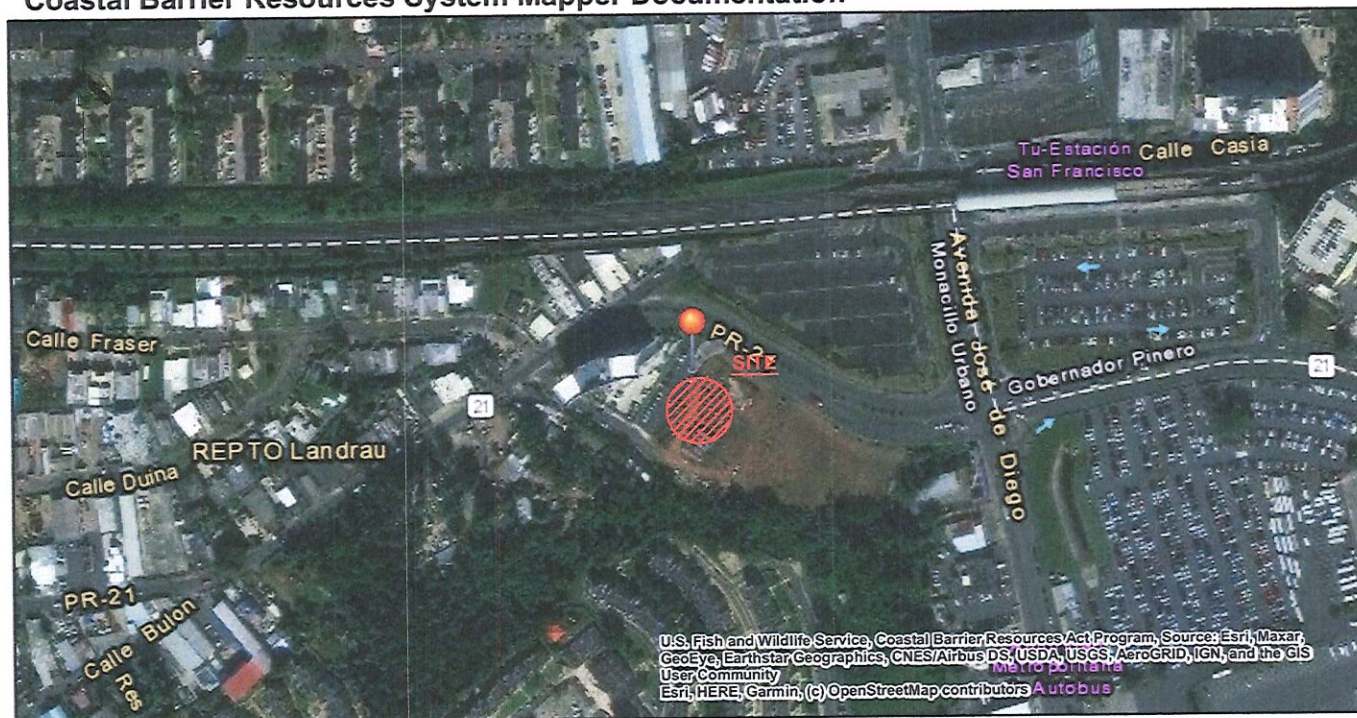
This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at <https://www.fws.gov/cbra/maps/index.html>. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (<http://www.fws.gov/cbra/Determinations.html>) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS mapper.

U.S. Fish and Wildlife Service

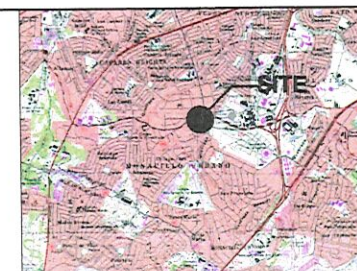
Coastal Barrier Resources System Mapper Documentation



CBRS Units

- Otherwise Protected Area
- System Unit
- CBRS Buffer Zone
- 66.08505, 18.389811

0 65 130 260 390 ft
1:4,514



LOCATION MAP
SCALE N.T.S.

SURVEYORS NOTE:

1. THE HORIZONTAL CONTROL USED ON THIS PLAN ARE P.R. LATITUDE AND ELEV. ARE REFERRED TO ORIGINATING POINT (2000 USA).
2. ALL HORIZONTAL MEASUREMENTS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
3. LATITUDE SYSTEM WAS ESTABLISHED BY GPS OBSERVATIONS USING TRIMBLE 5800 DOUBLE FREQUENCY RECEIVER.

PROPOSED PROJECT: Casa Metropolitana 2
LOCATED AT: STATE ROAD PR-21, KM. 2.6, MONACILLOS
SAN JUAN, PUERTO RICO
CADASTRAL #: 086-047-057-92
PROPOSED ENTRANCE:
LAT: 18°23'22.0394" N
LON: 66°05'06.9433" W
NORTHING: 261,587.480 M
EASTING: 236,780.609 M

SURVEYOR'S CERTIFICATION:

Proposed elderly household is not within the Coastal Barrier Resources System according to U.S. Fish and Wildlife Service/Coastal Barrier Resources System Mapper Documentation.



PO BOX 2075, AIBONTO, P.R., 00705
TEL / FAX (787) 746-5039

PROJECT:

PROJECT LOCATION AT COASTAL BARRIER
RESOURCE SYSTEM MAP
FOR
PANORAMA GOLD PHASE 3
CASA METROPOLITANA 2
STATE ROAD PR-21, KM. 2.6,
MONACILLOS WARD, SAN JUAN, PUERTO RICO

CERTIFY CORRECT



FERNANDO
I am the author
of this
document
2020-10-22
09:15-04:00

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/22/20	1
TOTAL SHEETS		1

Exhibit I

**Casa Metropolitana II
San Juan, Puerto Rico**

Sole Source Aquifers Map

There are no aquifers at the project site surroundings.

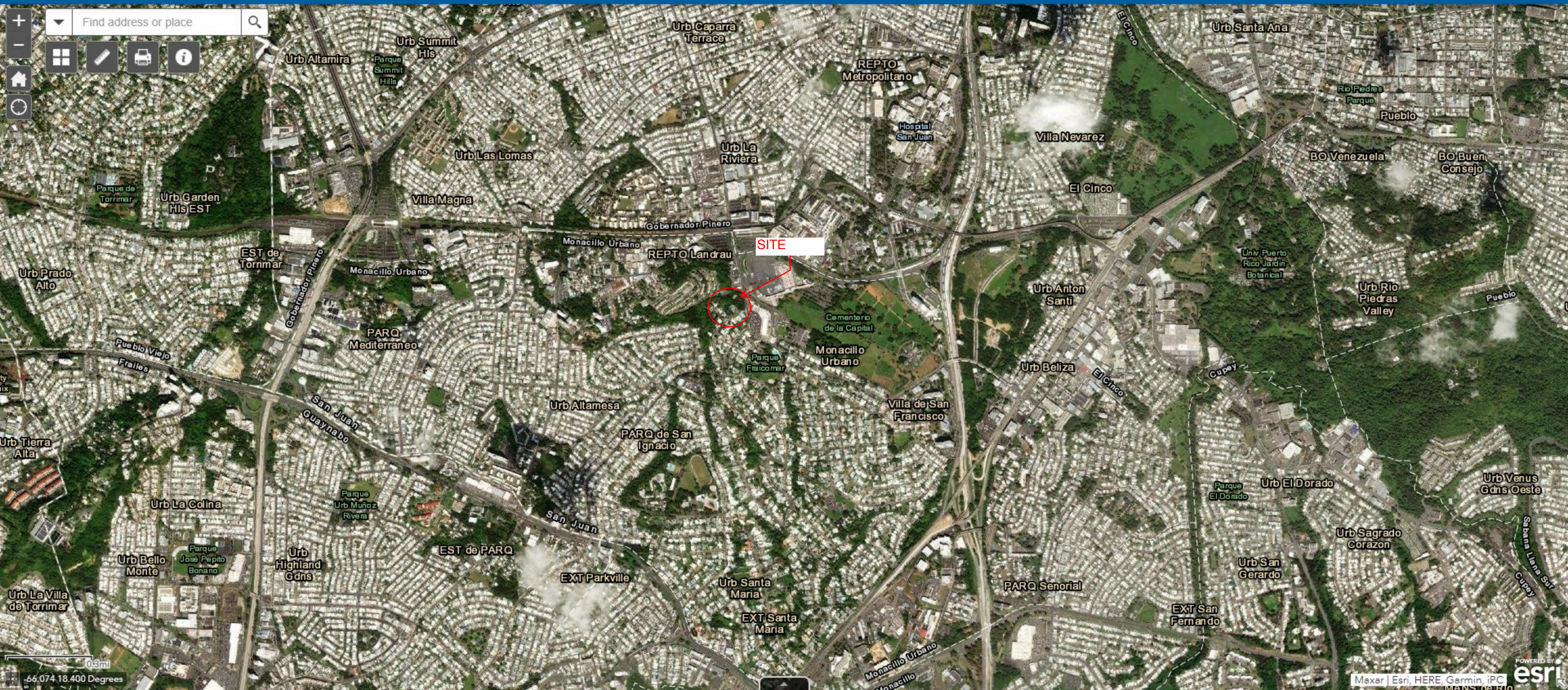


Exhibit J

25 de octubre de 2019

RECEIVED

OCT 29 2019

U.S. Fish & Wildlife Service

Sr. Edwin E. Muñiz
Fish and Wildlife Service
Caribbean Ecological Service Field Office
P.O. Box 491/Road 301 km 5.1
Boquerón, PR 00622



Based on the information provided and currently available to us, no federally listed, proposed species, or designated critical habitat are known to exist within the project impact area. No further consultation pursuant to section 7 of Endangered Species Act of 1973, as amended is needed.

Reviewer: Damaris Román Date: 10/31/2019
Edwin E. Muñiz Date: 10/31/2019
Caribbean ES Field Supervisor

MEMORIAL EXPLICATIVO

Solicitud de Recomendaciones Iniciales

Desarrollo Multifamiliar Casa Metropolitana II-80 apartamentos de dos habitaciones convertibles a una y áreas complementarias

Carretera PR-21 KM 2.9,

Lote B, Bo. Monacillos

San Juan, P.R.

Estimados señores:

Solicitamos ante Fish and Wildlife Service comentarios para el proyecto en referencia.

Descripción del Proyecto

El proyecto propone la construcción de un edificio residencial con 80 apartamentos de dos habitaciones convertible a una de ser necesario. El proyecto se propone en la parcela "B" del Master Plan autorizado para la Iglesia Cristiana Discípulos de Cristo en el área. El detalle del edificio y sus amenidades es el siguiente:

Niveles	Descripción de Facilidades
Nivel de Sótano 1	32 espacios de estacionamientos regulares
Nivel de Sótano 2	24 espacios de estacionamientos regulares, 7 espacios de estacionamientos para discapacitados, 1 estacionamiento accesible para van, 1 espacio de estacionamiento de carga
Nivel del Suelo	Entrada principal, oficina administrativa, lavandería, biblioteca, social, servicio, sala de juegos, varios, gimnasio
2do Nivel	15 apartamentos, balcón de área común

3er Nivel	17 apartamentos
4to Nivel	17 apartamentos
5to Nivel	16 apartamentos, balcón de área común
6to Nivel	15 apartamentos, balcón de área común
7mo Nivel	Sala de usos múltiples, cocina, espacio abierto, área de almacén

El Proyecto optará por una construcción y operación verde bajo el Sistema LEED 2009; Se incorporarán sistemas eléctricos y mecánicos para minimizar el consumo de energía y agua del Proyecto. El proyecto incluirá un generador de energía con una capacidad del 100% y paneles solares y un sistema de recolección de agua de lluvia y ventilación cruzada. Además, el proyecto incluye áreas de lavandería, centro de reuniones, sala de gimnasio, biblioteca electrónica y sala de juegos.

Titularidad/ Datos de la Propiedad

- Nombre: HOPE Metropolitan Community LLC
- Representante Autorizado: Luis G. Montañez
- Dirección Postal: Reparto Metropolitano 908 Calle 1 SE, San Juan, P.R. 00921
- Email: montanezlg@gmail.com
- SS Patronal: 84-2247282

El predio cuenta con un área de 10,798.4216 metros cuadrados según mensura y 10,835.1813 metros cuadrados según escritura. Las coordenadas Lambert en el sistema NAD 83 del predio son: X: 236,852.3672 y Y: 261,578.1983. El predio está calificado como Dotacional (DS) ahora (D) Dotacional según la hoja 9C del mapa de calificación vigente del Municipio Autónomo de San Juan. El mismo está identificado como zona de Inundabilidad X en la hoja número 7200C0765J de los mapas para establecer las tasas de seguro de inundación de FEMA según revisada al 19 de abril de 2005 y el Mapa de Niveles de Inundación Base Recomendados de la Junta de Planificación de Puerto Rico con fecha de efectividad del 13 de abril de 2018; revisión del geo dato del 12 de mayo de 2018. El número de catastro de la propiedad es 086-047-057-93.



Figura 2: Foto Aérea delimitando el predio del proyecto

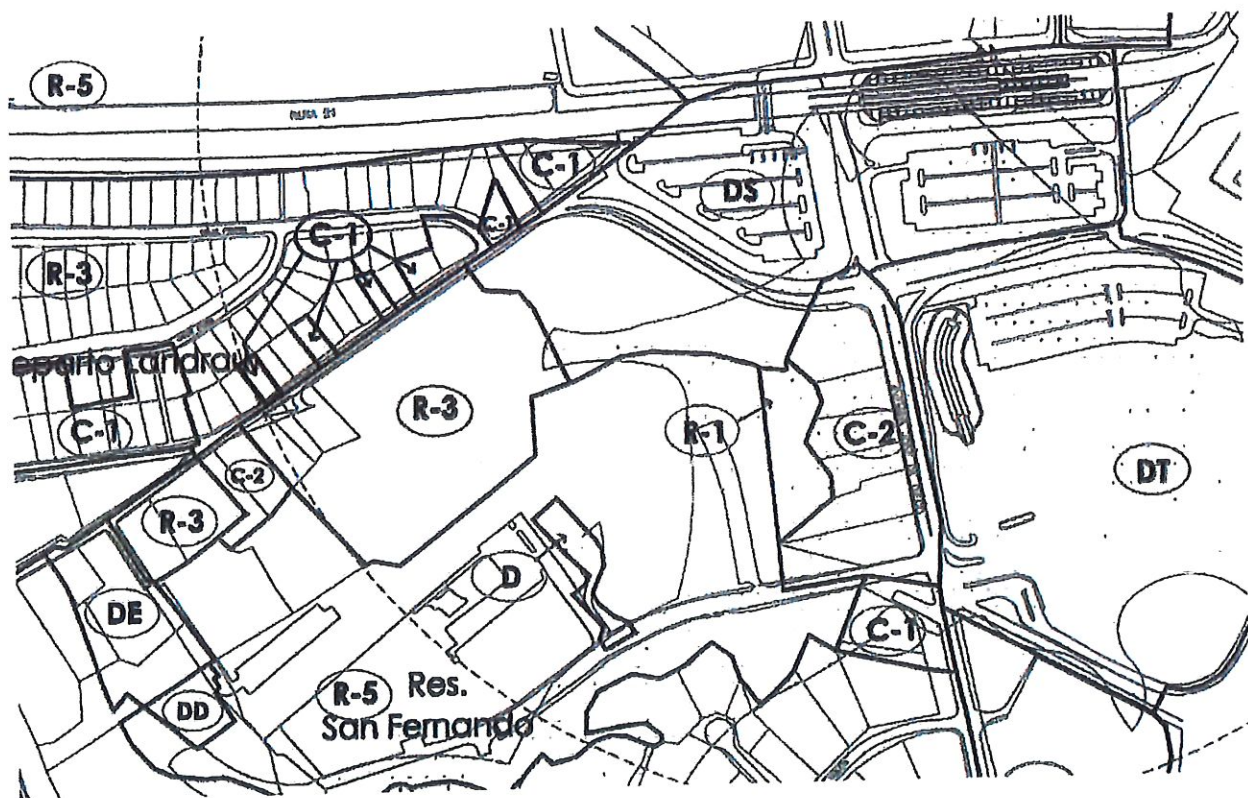


Figura 3: Mapa de Calificación de San Juan, Hoja 9C



Figura 4: Mapa de Niveles de Inundabilidad Recomendado de la JP

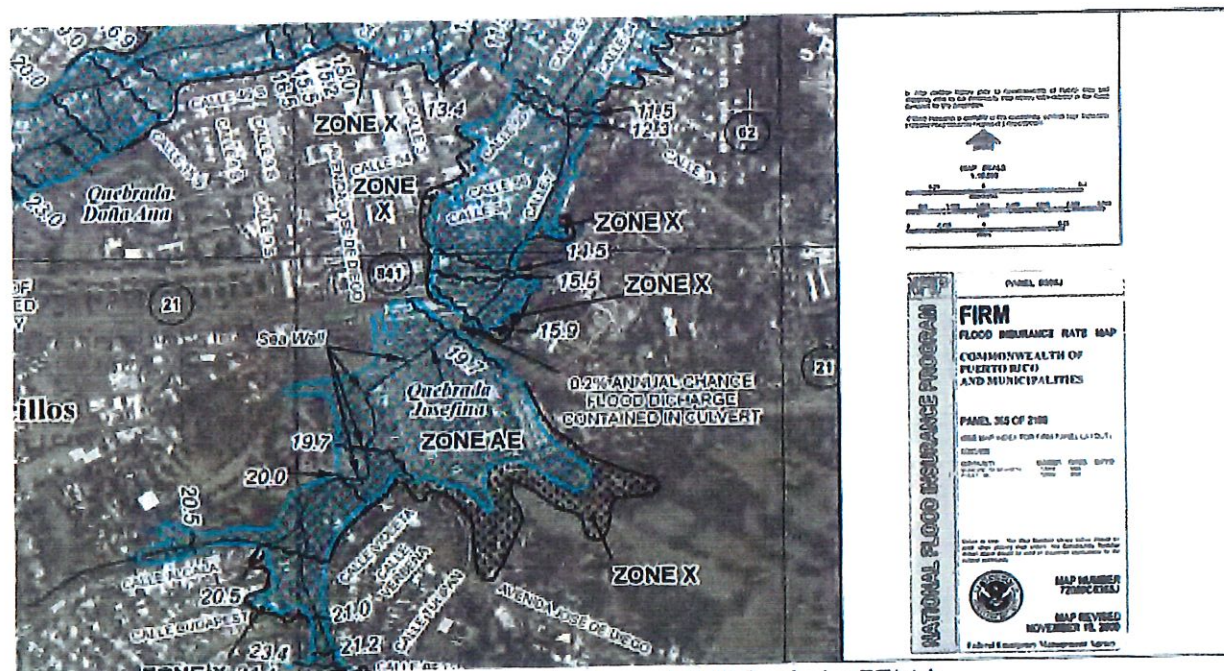


Figura 5 Mapa de Inundabilidad de FEMA

En estos momentos el proyecto se encuentra en la etapa conceptual por lo que se están solicitando los comentarios a todas a las agencias concernientes para luego incorporar los mismos a los planos de construcción.

Agradecemos su atención y los comentarios de la agencia ante el proyecto presentado.

Cordialmente,

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke extending to the right.

Erika Alcántara Martínez
Representante Autorizado

Exhibit K

**Casa Metropolitana II
San Juan, Puerto Rico**

Wild and Scenic Rivers Map

There are no surrounding wild and scenic rivers at project site. The only river in this category is located in the Yunque Rainforest. Reference information enclosed.



RIO MAMEYES, PUERTO RICO



[+ View larger map](#)

Managing Agency:

U.S. Forest Service, Caribbean National Forest

Designated Reach:

December 19, 2002. From its headwaters in the Ban.AE6o de Oro Research Natural Area to the boundary of the Caribbean National Forest.

Classification/Mileage:

Wild — 2.1 miles; Scenic — 1.4 miles; Recreational — 1.0 miles; Total — 4.5 miles.



RELATED LINKS

[Wild & Scenic Rivers of Puerto Rico \(U.S. Forest Service\)](#)

[Rio Mameyes Management Plan \(2.5 MB PDF\)](#)

[Rio Mameyes Management Plan Environmental Assessment \(2.0 MB PDF\)](#)

[Rio Mameyes Management Plan \(454 KB PDF\)](#)

Photo Credit: Tim Palmer

Rio Mameyes

The Rio Mameyes flows in a northerly direction and has outstanding scenic, biological, recreation and historic values. The Rio Mameyes watershed covers 6.88-square miles within the El Yunque National Forest, or 10.4% of the forest. Water quality is optimum within the upper segment, since the entire corridor is located in the Bano de Oro Natural Area and no development exist. Due to steep slopes, no significant flood plains occur. There are approximately 73 acres of riparian wetlands in the designated segments.

EXPLORE DESIGNATED RIVERS



Choose A State

Choose A River

Dark and foreboding one minute, sun-drenched and exploding with color the next, tropical rivers span every mood.



Designated Rivers

[About WSR Act](#)
[State Listings](#)
[Profile Pages](#)

National System

[WSR Table](#)
[Study Rivers](#)
[Stewardship](#)
[WSR Legislation](#)

River Management

[Council](#)
[Agencies](#)
[Management Plans](#)
[River Mgt. Society](#)
[GIS Mapping](#)

Resources

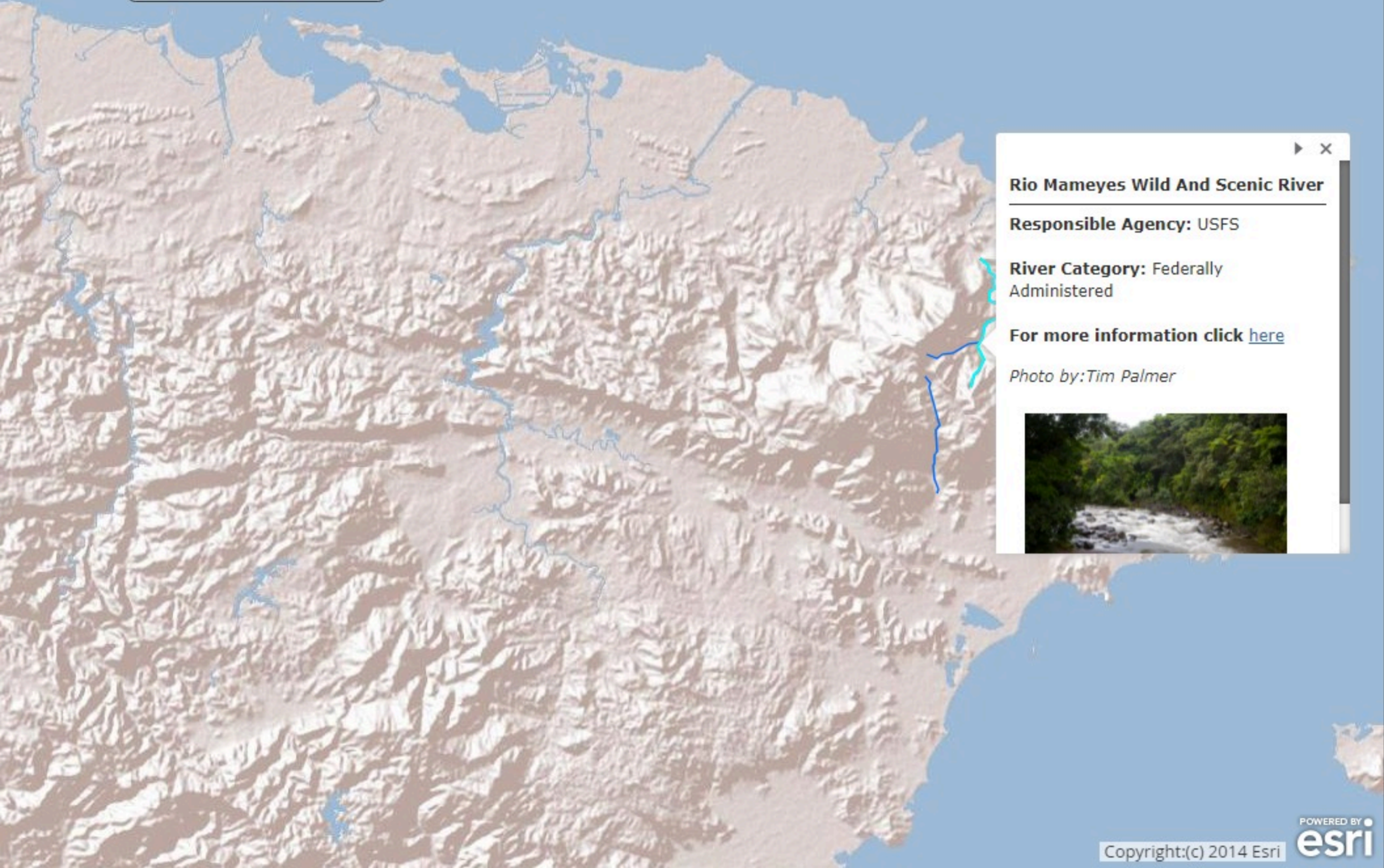
[Q & A Search](#)
[Bibliography](#)
[Publications](#)
[GIS Mapping](#)
[Logo & Sign Standards](#)



LEGEND

Wild And Scenic Rivers

USA States (Generalized)



Rio Mameyes Wild And Scenic River

Responsible Agency: USFS

River Category: Federally Administered

For more information click [here](#)

Photo by:Tim Palmer



National Wild and Scenic River System in the U.S.

Wild and Scenic Rivers

There are 226 national wild and scenic rivers in 40 States and the Commonwealth of Puerto Rico, totaling more than 13,412 miles (as of April 2019). This is a little more than one-quarter of one percent of the nation's rivers.



Photo (above). West Fork of the Chattooga River, Georgia and South Carolina (Tim Palmer).

The United States Forest Service, National Park Service, Bureau of Land Management, and the United States Fish and Wildlife are the four primary federal agencies with responsibility for the National Wild and Scenic Rivers System. These agencies are responsible for protecting and enhancing the river values for the components located within their management boundaries, whether designated by Congress, or by the Secretary of Interior at the request of a governor. Many rivers include private and tribal lands within the boundaries of the designated river area.



Exhibit L



GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL



Oficina del Director Ejecutivo

12 JUL 2010

DR CARLOS RAMOS
SECRETARIO AUXILIAR DE PLANIFICACIÓN
DEPARTAMENTO DE LA VIVIENDA
P O BOX 21365 SAN JUAN PR 00928-1365

ASUNTO: DN 04-0003 (DV), CASO 2003-17-0666-JPU-TU
IGLESIA CRISTIANA DISCÍPULOS DE CRISTO Y ÉGIDA
PARA ENVEJECIENTES
CARR.PR-21, BO. MONACILLOS
SAN JUAN, PUERTO RICO

Estimado doctor Ramos:

La Junta de Calidad Ambiental (JCA) ha analizado los documentos sometidos con fecha del 4 de mayo de 2010 para el proyecto de referencia. En ésta se propone la renovación del proyecto que obtuvo cumplimiento con carta de nuestra Junta fechada el 22 de julio de 2004. El proyecto original no será modificado, este consiste en la construcción de facilidades que incluirá un templo, un anexo de usos múltiples para facilidades relacionadas un edificio de estacionamiento y dos edificios para égida de 10 y 8 niveles para 120 y 80 apartamentos respectivamente. El proyecto ubicará en un predio de 3.4645 cuerdas que ubica en una zona inundable 2. La Quebrada Josefina colinda con el proyecto se propone canalizar la misma.

Al presentar el documento ambiental su agencia ha cumplido con el Artículo 4B(3) de la Ley Sobre Política Pública Ambiental, (Ley Núm. 416 del 22 de septiembre de 2004), hacemos extensivas a esta renovación las recomendaciones expresadas en nuestra comunicación previa para éste proyecto con fecha del 22 de julio de 2004, con las siguientes recomendaciones:

Edificio Agencias Ambientales Cruz A. Matos
Urb. San José Industrial Park, Avenida Ponce de León 1375, San Juan, PR 00926-2604
Dirección Postal: Apartado 11488, San Juan, PR 00910
Tel. 787-767-8181 Fax 787-767-4861

Dr. Carlos Ramos
DN 04-0003(DV)
Página 2

1. Se deberá solicitar y obtener de esta Junta el Permiso General Consolidado que establece el Reglamento para el Trámite de los Permisos Generales que incluye lo siguiente:
 - a. Permiso para Fuente de Emisión para movimiento de tierra y fases de construcción en áreas de novecientos metros cuadrados (900m²) o más.
 - b. Permiso para el Control de la Erosión y Prevención de la Sedimentación, si el movimiento de tierra se realiza en áreas de superficie de terrenos de 900 metros cuadrados o más, o excedan los 40 metros cúbicos.
 - c. Permiso para Actividad Generadora de Desperdicios Sólidos.
2. Respecto a la descarga de escorrentía a los cuerpos de agua colindantes 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).
3. 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.
4. Deberán mantener los camiones de carga que se utilicen para transportar material, desechos de relleno y/o de construcción cubiertos con toldos, mientras estén en movimiento para evitar generación de emisiones de particulado.
5. 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).
6. Deberán cumplir con el Reglamento sobre Zonas Susceptible a inundaciones (Reglamento Núm. 13) de la Junta de Planificación.
7. Consultar y cumplir con los requerimientos de las agencias concernidas incluyendo el Municipio de San Juan respecto a los accesos al proyecto.

Dr. Carlos Ramos
DN 04-0003(DV)
Página 3

8. Respecto al estudio hidrológico/ hidráulico realizado, deberán someter el mismo ante el Departamento de Recursos Naturales y Ambientales y al Cuerpo de Ingenieros del Ejército de los Estados Unidos para sus comentarios y recomendaciones. Copia de dichos comentarios deberán ser sometidos a esta Junta.
9. Deberán consultar al Cuerpo de Ingenieros del Ejército de los Estados Unidos, para determinar si es necesario obtener un permiso conforme a la Ley de Ríos y Puertos del 1899 y la Sección 404 de la Ley de Agua Limpia (Clean Water Act).
10. Deberán cumplir con los requerimientos expresados por la Autoridad de Acueductos y Alcantarillados en su comunicación con fecha del 23 de octubre de 2009.
11. Deberán actualizar los endosos al proyecto de la Autoridad de Energía Eléctrica y de la Autoridad de Carreteras y Transportación.
12. 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.
13. 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.
14. Las recomendaciones y requisitos presentados en esta comunicación no eximen de cualquier otro requerimiento o permisos de esta Junta u otras agencias concernientes, que sean aplicables a la acción propuesta.

Aprovecho la oportunidad para exhortarle a seguir cooperando con nosotros en la importante tarea de la protección ambiental de nuestra Isla.

Cordialmente,



Lcdo. Pedro J. Nieves Miranda
Director Ejecutivo



Recomendaciones

Casa Metropolitana II

Datos de Localización

De acuerdo a la información suministrada se propone una actividad: Privada en:

Dirección Física

PR-21 KM 2.9, LOT B, MONACILLOS
WARD
San Juan Puerto Rico, 00921

Número(s) de Catastro

086-047-057-93

Dueño

HOPE Metropolitan Community LLC

Calificación

Distrito(s) de Calificación: DS (93%), R-3 (6%), R-1

Distrito en el Mapa de Inundabilidad: X (53.8%), AE(46.2%)

Tipo de Suelo: Uv

Cabida

Cabida según escritura: 11012.53 metros cuadrados

Medioambiente

Se presenta ante la Oficina de Gerencia de Permisos (OGPe) la Solicitud de Recomendación Medioambiente (SRM) 2019-282960-SRM-028141 para un desarrollo multifamiliar Casa Metropolitana II-80 apartamento de dos (2) habitaciones convertibles a una y áreas complementarias en una finca ubicada en el Bo. Monacillo, con acceso a través de la Carr. PR-21, Km. 2.9 (Lote B) del municipio de San Juan.

Primeramente, informamos que 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 define Solicitud de Recomendación como sigue:

"Petición que será solicitada a la OGPe previo a la radicación de un permiso de construcción certificado cuando éste sea uno de carácter ministerial, de una consulta de ubicación o una consulta de construcción, con el propósito de verificar u obtener información sobre la disponibilidad de infraestructura o cualquier otra información especializada."

A esos efectos, informamos lo siguiente:

La División de Medioambiente de la OGPe realizó una búsqueda en el Sistema de Información Geográfica (GIS) de la Junta de Planificación y no encontró en el área de la actividad propuesta hábitat crítico, elementos críticos ni área de Prioridad de Conservación. La División de Medioambiente no tiene objeción a la actividad propuesta. No obstante, deberá cumplir con lo siguiente:

- 1) Previo a cualquier extracción de la corteza terrestre deberá cumplir con la Regla 3.4.1 - Permiso Único Incidental Operacional y con el inciso (a) de la Sección 3.4.1.3 –Actividad Incidental a una Obra del 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. Se le apercibe que la Ley Núm. 132 de 25 de junio





Recomendaciones

Casa Metropolitana II

de 1968, según enmendada y su Reglamento, prohíben la extracción, excavación, remoción y dragado de material de la corteza terrestre sin el permiso correspondiente.

2) De ser necesario el corte de árboles, deberá cumplir con las Reglas 3.4.1 - Permiso Único Incidental Operacional y con la Regla 3.4.2 Requisitos para las Mitigaciones y Siembras de Árboles del 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. Se le apercibe que la Ley Núm. 133 de 1 de julio de 1975, según enmendada prohíbe el corte y poda de árboles sin el permiso correspondiente.

3) Deberá establecer un programa de reforestación utilizando especies nativas que además de ayudar a minimizar la erosión beneficien la vida silvestre. Esta medida es cónsona con la Ley para Fomentar la Siembra de Árboles Cuyas Frutas y/o Semillas Provean Alimento a Especies de Aves Silvestres de Puerto Rico (Ley Núm. 97 de 24 de junio de 1998), la cual establece lo siguiente: "En todo proyecto de reforestación en que se utilicen fondos públicos o privados, o en una combinación de estos, un 15% en las áreas rurales y un 10% en las áreas urbanas del total de árboles a ser sembrados, serán de especies cuyas frutas y/o semillas sirvan de alimento a las aves silvestres que residan temporal o permanentemente en ésta".

4) De descubrirse en el predio objeto de desarrollo algún cuerpo de agua superficial o subterráneo, sea perenne o intermitente, deberá informarlo inmediatamente al DRNA y demás agencias concernidas. No informar hallazgos de este tipo así como las medidas de mitigación que se implantarán para proteger estos recursos naturales conllevará una revocación automática de la presente comunicación de no objeción y podrá ser base para acciones legales por parte de la Junta de Planificación (JP) e en los foros correspondientes.

5) Para la fase de Permiso de Construcción deberá cumplir con la Sección 5.1.2.2 Análisis de Riesgos a Deslizamientos y otras Condiciones del Subsuelo del 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 el cual indica que para todo proyecto de urbanización, incluyendo urbanizaciones vía excepción, se tomará en consideración el riesgo a deslizamientos y otras condiciones del subsuelo mediante la presentación de un estudio geotécnico certificado por un ingeniero licenciado que evalúe la geología e hidrología del terreno, presencia de fallas geológicas, historial de deslizamientos en la zona, susceptibilidad del terreno a los mismos, topografía, presencia de materiales de depósitos de deslizamientos (QI) según descritos en los cuadrángulos geológicos de Puerto Rico por el USGS y las propiedades ingenieriles del subsuelo, entre otros.

6) Para la fase de Permiso de Urbanización o de Construcción deberá cumplir con las disposiciones de la Sección 5.1.9.4 (Manejo de Aguas Pluviales) del 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.

7) Para la fase de Permiso de Urbanización o de Construcción y de tener alguna descarga de escorrentía a cualquier cuerpo de agua durante la operación, deberá consultar a la Agencia Federal de





Recomendaciones

Casa Metropolitana II

Protección Ambiental para determinar si dichas descargas requieren un permiso "NPDES" de acuerdo al Código Federal de Reglamentación Número 40, Sección 122.26 (b) (14) (x).

8) Para la fase de Permiso de Urbanización o de Construcción será responsabilidad del Peticionario previo las labores de remoción de extracción de los materiales de la corteza terrestre el obtener y mantener en vigor el Permiso General Consolidado por la Oficina de Gerencias de Permisos (OGPe) para el área de operaciones objeto del permiso" a través de la Regla 3.4.1 - Permiso Único Incidental Operacional del 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.

Esta recomendación es solamente aplicable a la situación de hechos y los datos según presentados y evaluados en el caso y el Director Ejecutivo se reserva el derecho de reevaluar, variar o modificar el mismo en cualquier momento anterior a la emisión del permiso o la acción administrativa correspondiente por parte de la agencia solicitante o proponente cuando surja nueva información oficial específica estableciendo que el derecho aplicable o las condiciones ambientales en el predio han cambiado sustancialmente, o cuando el endoso original se emitió bajo premisas falsas o fraudulentas.

ADS:

4 de octubre de 2019 DRNA/ADS-Medioambiente SUPERSIP-2019-28524-SRM-028093 Alturas de San Agustín Municipio de Vega Baja La División de Medioambiente de OGP e y la Autoridad de Desperdicios Sólidos (ADS) consolidada con el Departamento de Recursos Naturales y Ambientales (DRNA), recibió la solicitud de recomendación ambiental para el proyecto en referencia. El proyecto propone la construcción de 54 apartamentos y 64 solares unifamiliares. El mismo está localizado en la PR-155, Barrio Pugnado Afuera, Municipio de Vega Baja. Luego de revisar la información suministrada, la agencia no objeta la acción propuesta, ya que la misma no tiene aspectos contrarios a la política pública nuestra. Sin embargo, el proponente cumplirá con las siguientes leyes y reglamentos relacionados con el manejo y disposición de los residuos sólidos y materiales reciclables: 1. Ley Núm. 70, de 18 de septiembre de 1992, Ley para la Reducción y Reciclaje de los Desperdicios Sólidos, según enmendada, establece el desarrollo e implantación de estrategias económicamente viables y ambientalmente seguras que resulten en la disminución del volumen de desperdicios sólidos que requerirá disposición final. Como parte de estas estrategias, se considera necesario modificar las prácticas de manejo y disposición existentes para reducir la intensidad de uso de los Sistemas de Relleno Sanitario (SRS) del país. 2. Reglamento para la Reducción, Reutilización y Reciclaje de Desperdicios Sólidos (Reglamento Núm. 6825 de 15 de junio de 2004), según enmendado. Aplicará a toda persona, natural o jurídica, ya sea municipios, cooperativas, industrias, comunidades, condominios, complejos de vivienda vertical tipo "walk-up", residenciales público, agencias gubernamentales, empresas o instituciones privadas (comercios y organizaciones sin fines de lucro) y empresas comunitarias que generen o manejen desperdicios sólidos, que contengan material reciclable, dentro de la jurisdicción del Estado Libre Asociado de Puerto Rico. 3. Reglamento Conjunto para la Evaluación y Expedición de Permisos Relacionados al Desarrollo, Uso de Terrenos y Operación de Negocios





Recomendaciones

Casa Metropolitana II

(Reglamento Conjunto) de 7 de junio de 2019. El proponente cumplirá con la información requerida, según lo dispuesto en:

a. Capítulo 3.2 Edificación y Conservación de Energía. Regla 3.2.1 Permiso de Construcción. Sección 3.2. 1.1- Disposiciones Generales Sección 3.2.1.2 Requisitos de Presentación (j) Plan de Reciclaje. (k) b. Capítulo 3.4 Permisos de Medioambiente Regla 3.4.1 Permiso Único Incidental Operacional • Sección 3.4.1.1 Disposiciones Generales • Sección 3.4.1.2 Aplicabilidad C-1 b. Se deberán presentar alternativas para el manejo y disposición del material vegetativo generado en el caso de corte y poda conforme al Capítulo IX del Reglamento para la Reducción, Reutilización y Reciclaje de Desperdicios Sólidos, según enmendado (Reglamento 6825). c. Capítulo 9.9, Desperdicios Sólidos Regla 9.9.1 Disposición General Regla 9.9.2 Disposición de los Desperdicios Sólidos No Reciclables Regla 9.9.3 Centro de Recuperación de Materiales Reciclables (CRMR) • Sección 9.9.3.3 Los siguientes aspectos serán incorporados en el proyecto propuesto: 1. Notificar al Coordinador de Reciclaje Municipal sobre las áreas designadas para la recuperación y disposición de los materiales reciclables. Si el municipio tiene recogido de materiales reciclables en el área, deberá incluir el mismo. 2. Indicar el responsable del recogido y disposición de los desperdicios sólidos (privado o municipal). 3. Establecer estaciones intermedias dentro del complejo para reciclaje. 4. Notificar a los residentes del compromiso con el Programa del Reciclaje que se instituya en el complejo residencial. 5. Implantar técnicas de prevención de contaminación: • Utilizar productos sin materiales tóxicos. • Emplear materiales reusables o reciclables. • Mantener los contaminantes segregados. • Conservar el agua y los recursos energéticos. • Rotular recipientes y contenedores, apropiadamente, para lo que estén designados. Las recomendaciones emitidas aplican a los hechos presentados y evaluados al momento. La OGPe y la agencia se reservan el derecho de reevaluar y modificar los mismos en el caso de surgir información oficial que identifique que las condiciones han cambiado, o cuando los comentarios hayan sido emitidos bajo premisas falsas. Además, la agencia tiene la facultad de solicitar cualquier información adicional que entienda pertinente y que de conformidad con las leyes y reglamentaciones vigentes, garantice el interés público y la protección del ambiente.

Condiciones Especiales

NINGUNA

Condiciones Generales

Esta recomendación es solamente aplicable a la situación de hechos y los datos según presentados y evaluados en el caso. La OGPe se reserva el derecho de reevaluar, variar o modificar el mismo en cualquier momento anterior a la emisión del permiso o la acción administrativa correspondiente por parte de la agencia solicitante o proponente cuando surja nueva información oficial específica estableciendo que el derecho aplicable o las condiciones ambientales en el predio han cambiado sustancialmente, o cuando la recomendación original se emitió bajo premisas falsas o fraudulentas.

Las vigencias de las diferentes agencias del proceso de recomendación serán las establecidas en los comunicados que estas emiten conforme a sus reglamentos.

Firma / Sellos

Fecha de Expedición:

04/NOV/2019





GOBIERNO DE PUERTO RICO

Departamento de Desarrollo Económico y Comercio
Oficina de Gerencia de Permisos

Número de Caso:
2019-282960-SRM-028141

Recomendaciones

Casa Metropolitana II



Ing. Gabriel Hernández Rodríguez
Secretario Auxiliar



Exhibit M



SUBJECT PROPERTY VICINITY
AERIAL VIEW – 2019
GOOGLE EARTH PRO

CASA METROPOLITANA II
PR-21 KM 2.9, MONACILLOS WARD
SAN JUAN, PUERTO RICO

116th Congress of the United States

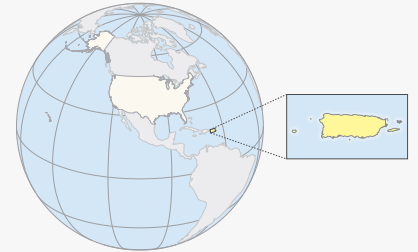
Puerto Rico

Atlantic Ocean

Project Site - Casa Metropolitana II

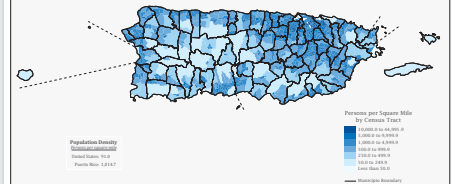
Caribbean Sea

Location of Puerto Rico



Puerto Rico Profile

Population Density



Population	Education	Race & Hispanic Origin
Total Population: 3,474,382	Total Population, Age 25+: 2,382,024	White: 22.9%
Age: 0-19: 2.0%	High School graduate or higher: 74.7%	Black or African American: 19.9%
Age: 20-24: 2.0%	Bachelor's degree or higher: 24.8%	Asian, Indian and other: 4.2%
Age: 25-34: 2.2%	Graduate or postgraduate degree: 7.8%	Native Hawaiian and other Pacific Islander: 0.2%
Age: 35-44: 2.2%		Two or more races: 1.7%
Age: 45-54: 2.2%		Hispanic or Latino (of any race): 16.9%
Age: 55-64: 2.2%		
Age: 65+: 16.9%		
Median Age: 40.0		
Percent Male: 47.7%		
Percent Female: 52.3%		
Under 18 years of age: 25.8%		
Under 18 years of age: 25.8%		

Map Legend



Congressional districts are shown in effect for the 116th Congress of the United States (January 2019-2021); all other legal boundaries and names are as of January 1, 2019. The boundaries shown on this map are for Census Bureau statistical data collection and tabulation purposes only. These depictions and designations for statistical purposes do not constitute a determination of jurisdictional authority or rights of ownership or entitlement.

Source: U.S. Census Bureau, 116th (2019) Census of Population and Housing (C2019-1).
Projection: Puerto Rico-based Albers's Equal Area

For general information, contact the Congressional Affairs Office at (202) 753-6100. For more information regarding congressional district plans as a result of the 2010 Census, redistricting, and voting rights data, contact the Census Redistricting and Voting Rights Data Office at (202) 753-6100 or www.census.gov/redistricting. For information regarding other U.S. Census Bureau products, visit www.census.gov.

United StatesTM
Census
Bureau

SHPO 002 USGS MAP - CASA METROPOLITANA II

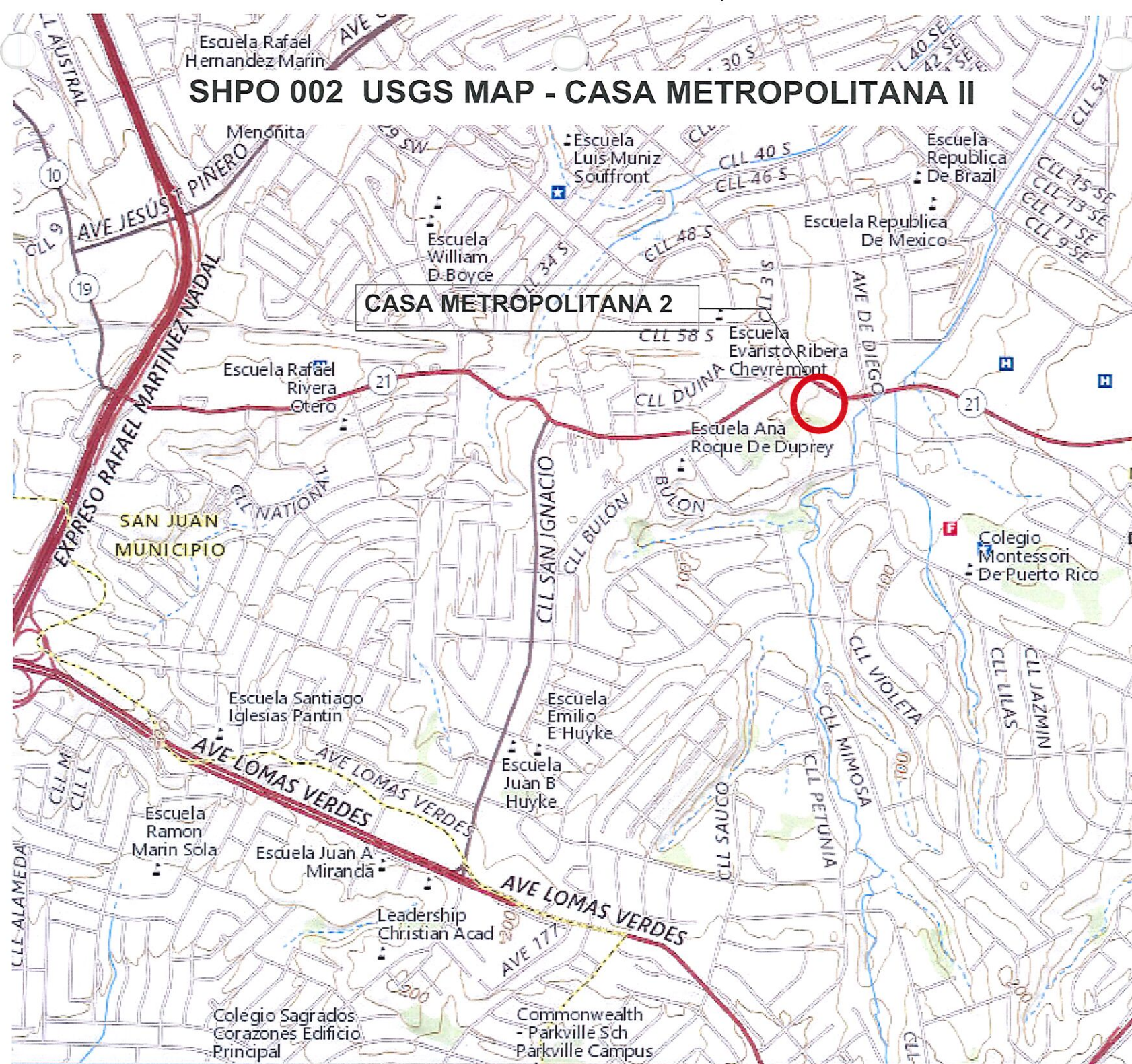


Exhibit N



Miguel A. Romero-Lugo

May 17, 2021

Mr. Luis G. Montañez
Authorized Representative
HOPE Metropolitan Community LLC
Reparto Metropolitano
908 Calle 1 SE
San Juan, PR 00921

RE: MAYOR ENDORSEMENT LETTER NEW CONSTRUCTION AFFORDABLE HOUSING PROJECT CASA METROPOLITANA II – MUNICIPALITY OF SAN JUAN

Dear Mr. Montañez:

We received your letter regarding the development of an affordable rental housing project, *Casa Metropolitana II* (the “Project”), on a vacant site comprised of 2,323.5693 square meters located at State Road PR-21 and De Diego Avenue at Monacillos Ward in the Municipality of San Juan.

As described, the proposed project will be developed under Section 42 of the federal Internal Revenue Code, which created the federal Low-Income Housing Tax Credit Program (“LIHTC”), and the Community Development Block Grant-Disaster Relief (“CDBG-DR”), along with a combination of local, state, and federal resources that may be available.

After an evaluation of the proposed development, and based upon the needs of low-income elderly and homeless veterans in our municipality, we conclude that the Project is a valuable development for the Municipality of San Juan because, it:


- 1) Promotes family and neighborhood stabilization.
- 2) Partners with a community-based organization for the development of the Project.
- 3) Is conveniently located near healthcare, entertainment, and commercial facilities; public and private transportation hubs; and government offices, among other amenities.
- 4) Will add to the affordable rental housing inventory 80 units; each with 2-bedrooms, 1 bathroom, kitchen and living-room area, patio, and garage.



PO Box 9024100 San Juan, Puerto Rico 00902-4100

Phone: (787) 524-2500 | mromero@sanjuan.pr

May 17, 2021

- 
- 5) Meets the needs of a frail and special population, eligible elderly, and homeless veterans.
 - 6) The Project's construction includes green building initiatives, broadband infrastructure, and common areas and units will include energy efficiency equipment and appliances.
 - 7) The development will include common areas, facilities and amenities for the use and enjoyment of the tenants.
 - 8) Will comply with Housing Quality Standards (HQS), Section 504 Accessibility Standards, ADA, and Fair Housing Act requirements.
 - 9) Will address the need for low-income affordable housing in the municipality, (i) availability of safe, decent, and affordable rental housing for low-income seniors and homeless veterans, and (ii) makes available supportive services for the aforementioned population.

We endorse the development of the Project, as it complies with our Land Development Plan ("*Plan de Ordenamiento Territorial*") to revitalize the municipality's Monacillos sector. Given our share goal of ensuring safe, stable, and appropriate housing we support your efforts to develop *Casa Metropolitana II* and, look forward to the opportunity to address the need effectively and sustainably for affordable housing in the Municipality of San Juan.

Cordially,

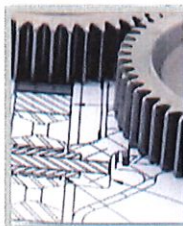
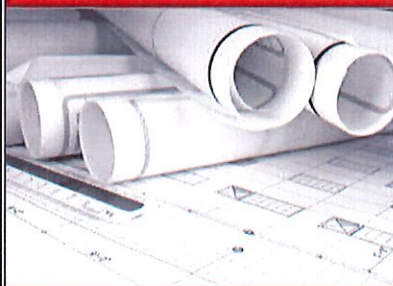


Miguel A. Romero-Lugo

Exhibit O

NOISE SURVEY REPORT

AT
“CENTRO METROPOLITANO DE
SERVICIOS COMUNITARIOS, INC.”
SAN JUAN, P.R.



Physical Address:

Villa Blanca Industrial Park
Plaza Bairoa Suite 215
Caguas, P.R. 00725
www.sharetechgroup.com

February 14, 2020

Luis G. Montañez / Antonio Jelú
"Centro Metropolitano de Servicios Comunitarios, Inc."
PR-21 km 2.9 Lote B, Bo. Monacillos
San Juan, P. R.
Email: antonio@ecobuilderspr.com
Phone: 787-930-0808

RE: Environmental Noise Survey for "Centro Metropolitano de Servicios Comunitarios, Inc." at San Juan, P.R. (PO #: SGP-2019-240 Signed Proposal)

Dear Mr. Montañez,

Enclosed please find professional consulting services report for subject environmental noise survey conducted at the "Centro Metropolitano de Servicios Comunitarios, Inc." in San Juan, P.R., on February 6, 2020.

We appreciate the opportunity to service you and look forward to continue supporting "Centro Metropolitano de Servicios Comunitarios, Inc." in the near future.

If you have any questions, do not hesitate to contact us.

Sincerely,



Enisette Ortiz
EHS Coordinator
ShareTech Group

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EXECUTIVE SUMMARY

This report summarizes the results obtained from environmental noise survey conducted at "Centro Metropolitano de Servicios Comunitarios, Inc." on San Juan, P.R. (See figure #1 for location) during February 6, 2020.



Figure #1- Survey Location (Satellite Photo)

The results from this survey are summarized on Table #2. The interpretation of the results is presented on page 16, and the conclusions and recommendations on page 17.

The LDN represents the 24 hours average sound level. For daytime period the Time – Weighted Average LDN is 59.2 dB. For nighttime period the Time – Weighted Average LDN is 66.0 dB.

Based on the data collected during the noise survey at daytime and nighttime, the Calculated Time – Weighted LDN Average 24 hours is 61.8 dB reveal a LDN level acceptable using the acceptability criterion of 65 dB for exterior.

INTRODUCTION

ShareTech Group was contracted by the "Centro Metropolitano de Servicios Comunitarios, Inc." on January 28, 2020 to perform a limited and specific-scope noise survey during day and night periods at their project located at PR-21 km 2.9 Lote B, Bo. Monacillos in the municipality of San Juan. The study was carried out to measure the noise levels at selected locations at the perimeter of the Project to confirm compliance with the established HUD Noise criteria (24 CFR 51).

HUD defines the day period with hours in a range between 7:01 am and 10:00 pm and the night period in a range between 10:01 pm until 7:00 am. Refer to Table I on next page for the HUD noise criteria.

This study was carried out considering the Environmental Quality Board (EQB) regulatory requirements. Results were compared with the EQB established noise limits during night and day periods based on the residential nature of the buildings in the area. Day and night periods for environmental noise control limits are defined in the Puerto Rico's Environmental Quality Board (EQB) Noise Control Regulation, refer to Table III on Appendix 6 referenced from said regulation.

The area under study is classified as urban soil, as established by the Puerto Rico Planning Board, known in Spanish as "Junta de Planificación". Table I on the next page shows the HUD Site Acceptability Standards for Day – Night Average Sound Level in decibels. An exterior noise level of 65 dB or lower is considered acceptable by HUD.

The HUD exterior noise standards refer to the degree of acceptability of the noise environment at the site. Noise environment is determined by the additional sound levels of those generated by buildings or other facilities containing noise sensitive uses.

The standards shall usually apply at a location 2 meters (6.5 feet) from the building housing noise sensitive activities in the direction of the predominant noise source. Where the building location is undetermined, the standards shall apply 2 meters (6.5 feet) from the building setback line nearest to the predominant noise source. The standards shall also apply at other locations where it is determined that quite outdoor space is required in an area ancillary to the principal use on the site.

The noise environment inside a building is considered acceptable if: (i) The noise environment external to the building complies with these standards, and (ii) the building is constructed in a manner common to the area or, if of uncommon construction, has at least the equivalent noise attenuation characteristics.

Under HUD, the Site Acceptability Standards for Day – Night sound level (in decibels) is presented below:

Table #I – HUD Site Acceptability Standards

Acceptable or Unacceptable	Day-night average sound level (in decibels)	Special approvals and requirements
Acceptable	Not exceeding 65 dB (1)	None.
Normally Unacceptable	Above 65 dB but not exceeding 75 dB	Special Approvals (2)
		Environmental Review (3).
		Attenuation (4).
Unacceptable	Above 75 dB	Special Approvals (2).
		Environmental Review (3).
		Attenuation (5).

Notes:

- (1) Acceptable threshold may be shifted to 70 dB in special circumstances pursuant to §51.105(a).
- (2) See §51.104(b) for requirements.
- (3) See §51.104(b) for requirements.
- (4) 5 dB additional attenuation required for sites above 65 dB but not exceeding 70 dB and 10 dB additional attenuation required for sites above 70 dB but not exceeding 75 dB. (See §51.104(a).)
- (5) Attenuation measures to be submitted for approval on a case-by-case basis.

This report includes the results of the noise levels during the daytime period as well as during the nighttime period.

METHODOLOGY & EQUIPMENT

The noise survey was conducted in accordance to the requirements under HUD 24 CFR 51 and by EQB's Noise Pollution Control Regulation entitled "Reglamento para el Control de la Contaminación de Ruido" Appendix 1. The following tasks were performed as part of this survey:

Task 1) As stated earlier, the noise survey was also conducted in accordance to the requirements of EQB's Noise Pollution Control Regulation entitled "*Reglamento para el Control de la Contaminación de Ruido*" and with *HUD Noise criteria (Appendix 1) as stated under 24 CFR 51* using one (1) calibrated sound level meter under the required American National Standards Institute (ANSI) Specifications. One 3M Sound Pro Series DL Sound Level Meter was used to carry out this study.

The noise survey was conducted during the late evening and early night periods at hours considered within both, the HUD and EQB daytime and nighttime regulatory definition on Thursday, February 6, 2020. Four (4) noise measurement locations were surveyed during the daytime and nighttime periods on that day. No rain events occurred during the noise survey, but some construction activities were performed near the site, these construction activities could cause unusual peaks during the night period.

The noise survey was carried out using one (1) calibrated sound level meter which meets the "American National Standards Institute" (ANSI) specification for Type 1, sound level meters on its latest revision (See Figure #2). For this noise survey, one (1) calibrated Sound Pro Series DL Sound Level Meters manufactured by 3M (Quest Technologies) were used. Refer to Appendix 3 for data on calibration of the sound level meter instruments. The instruments are equipped with software and data logger and generate the data used to prepare this report. The raw data is included under Appendix 4.



Figure #2- Sound Level Meter Photo

The sequence followed for conducting the noise survey is described below:

- The operating mode noise level measurements for the daytime period were started at around 07:43 p.m. and finished approximately 09:56 p.m. The EQB daytime noise period is encompassed between 7:00 a.m. and 10:00 p.m. Refer to table #II for details.
- The measurements for the nighttime period were started at around 10:02 p.m. and finished approximately 12:04 a.m. The EQB nighttime noise period is encompassed between 10:01 p.m. and 06:59 a.m. Refer to table #III for details.
- The sound level meters were calibrated pre and post the measurement using calibrator model AC-300. Refer to Appendix 2 for equipment calibration data.

The readings were collected using one (1) calibrated Sound Level Meters Model Sound-Pro DL:

- Meter 1 – Serial Number: BLL080008 (Calibrator serial number: AC300005091)

The monitoring stations (MS) or locations of this noise survey at "Centro Metropolitano de Servicios Comunitarios, Inc." perimeter are described in the table shown above. Refer to Figure #3 for these locations.

Table #II- Noise Survey Data Collected on Day Time Period

Sample	Monitoring Station (MS)	Time	Run Time	Description
1	1	07:43:00 pm	00:31:35	Located at east side.
2	2	08:15:28 pm	00:33:41	Located at north side.
3	3	08:50:13 pm	00:34:48	Located at west side.
4	4	09:25:58 pm	00:30:13	Located at south side.

Table #III- Noise Survey Data Collected on Night Time Period

Sample	Monitoring Station (MS)	Time	Run Time	Description
1	1	10:02:05 pm	00:30:05	Located at east side.
2	2	10:32:43 pm	00:30:04	Located at north side.
3	3	11:03:15 pm	00:30:05	Located at west side.
4	4	11:33:38 pm	00:30:24	Located at south side.

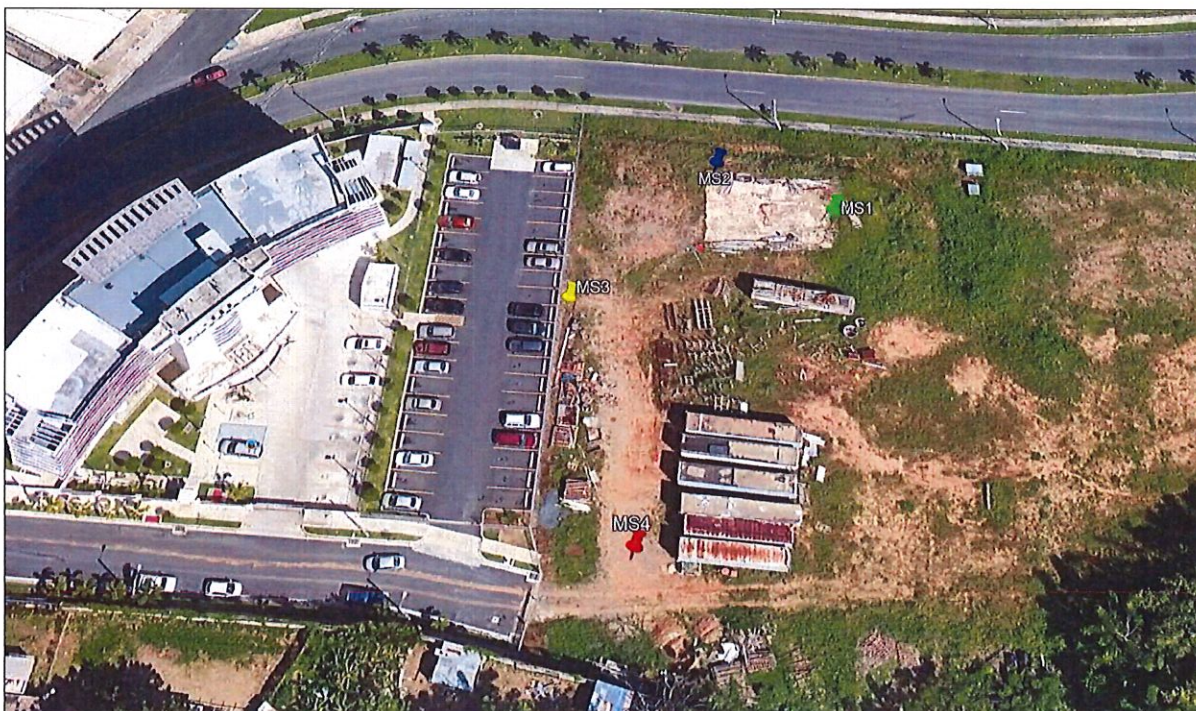


Figure #3- Monitoring Station Locations

The monitoring stations (MS) for day time and nighttime period are described as:

- **Monitoring Station #1:** Located at east side. Refer to Figure #3, the green pin.
- **Monitoring Station #2:** Located at north side. Refer to Figure #3, the blue pin.
- **Monitoring Station #3:** Located at west side. Refer to Figure #3, the yellow pin.
- **Monitoring Station #4:** Located at south side. Refer to Figure #3, the red pin.

***Note:** No rain events occurred during the noise survey, but some construction activities were performed near the site, these construction activities could cause unusual peaks during the night period. See Appendix 4 for Field Notes.



Figure #5- Monitoring Stations #1 location (East Side).



Figure #6- Monitoring Stations #2 location (North side).

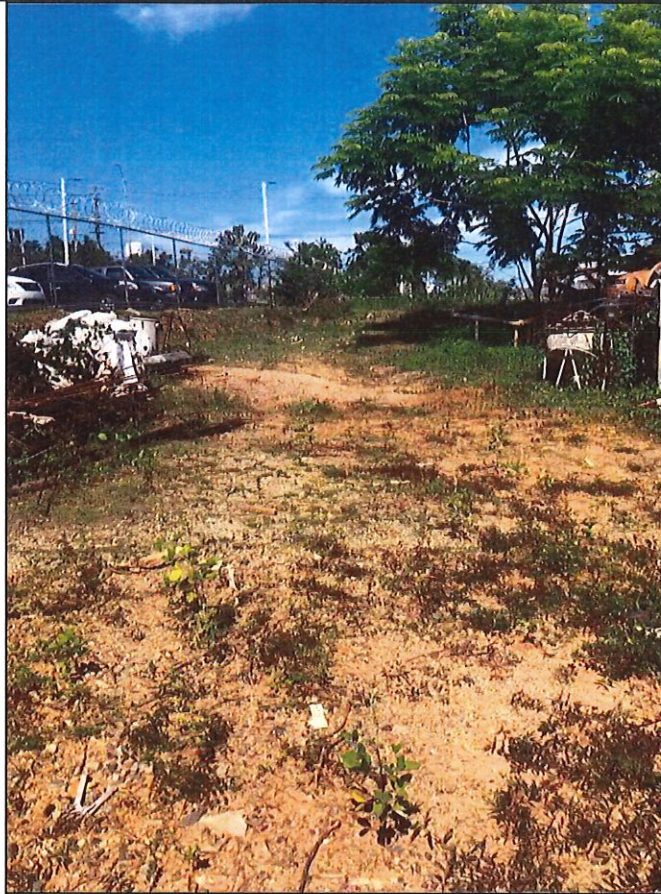


Figure #7- Monitoring Stations #3 location (West Side).



Figure #8- Monitoring Stations #4 location (South Side).

Task 2) Preparation of Report - This report summarizes the results of the noise survey and was prepared for client use and discussions as they consider pertinent. Report includes findings, explanation of existing particular conditions during this noise survey, and interpretations of results, conclusions and recommendations, as applicable.

Appendix 3 includes the noise level measurements data and associated graphs as collected by the sound level meters, data logged and retrieved at the end of the study.

REPORT OF RESULTS

On February 6, 2020, a noise survey was performed during the day and night periods establish by EQB. No rain events occurred during the noise survey, but some construction activities were performed near the site, these construction activities could cause unusual peaks during the night period. The levels of this survey will be compared to the levels established on the regulation.

The detailed results of this survey are illustrated in Appendix 3. A summary was prepared using LDN values for each monitoring station. The LDN represents the day / night sound level, this measurement is a 24 – hour average sound level where 10 dB is added to all of the readings that occur between 10 pm and 7 am. The results of this survey are presented in tables #IV & V, and in figure #9.

Table #IV- Readings Recorded by the Sound Level Meters (Day Time Period)

Monitoring Stations (MS)	LDN
Monitoring Station 1	60.2 dB
Monitoring Station 2	66.2 dB
Monitoring Station 3	53.4 dB
Monitoring Station 4	56.9 dB
Average Daytime LDN	59.2 dB

Table #V- Readings Recorded by the Sound Level Meters (Night Time Period)

Monitoring Stations (MS)	LDN
Monitoring Station 1	70.7 dB
Monitoring Station 2	68.7 dB
Monitoring Station 3	59.4 dB
Monitoring Station 4	65.2 dB
Average Nighttime LDN	66.0 dB

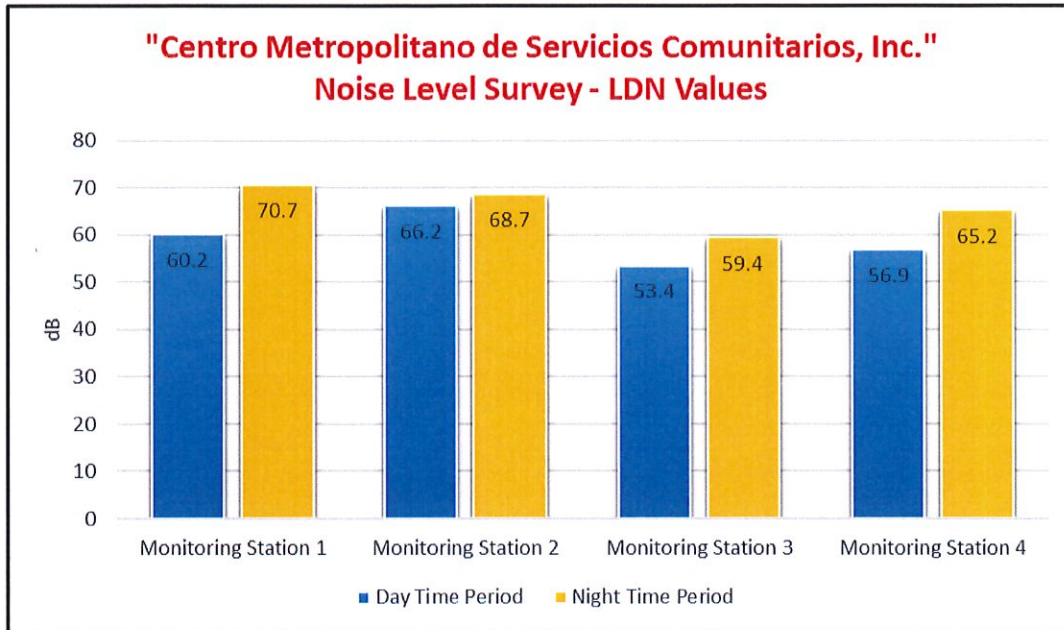


Figure #9- Monitoring Stations LDN Values.

A Calculated Time-Weighted Average for 24 hours is presented below:

$$\begin{aligned}
 \text{Weighted Average 24 hours} &= ((15/24) * \text{Daytime Period LD}) + ((9/24) * \text{Nighttime Period LN}) \\
 &= ((15/24) * 59.2 \text{ dB}) + ((9/24) * 66.0 \text{ dB}) \\
 &= 37.0 \text{ dB} + 24.8 \text{ dB}
 \end{aligned}$$

Calculated Time-Weighted LDN Average 24 hours = 61.8 dB

INTERPRETATION OF RESULTS

The EQB's Noise Pollution Control Regulation entitled "*Reglamento para el Control de la Contaminación de Ruido*" and HUD Noise criteria (Appendix 1) under 24 CFR 51 established the guidelines for an exterior noise level of 65 dB or lower is considered acceptable by HUD.

The LDN represents the 24 hours average sound level. For daytime period the Time – Weighted Average LDN is 59.2 dB. For nighttime period the Time – Weighted Average LDN is 66.0 dB.

Based on the data collected during the noise survey at daytime and nighttime, the Calculated Time – Weighted LDN Average ^{24 hours} is 61.8 dB reveal a LDN level acceptable using the acceptability criterion of 65 dB for exterior.

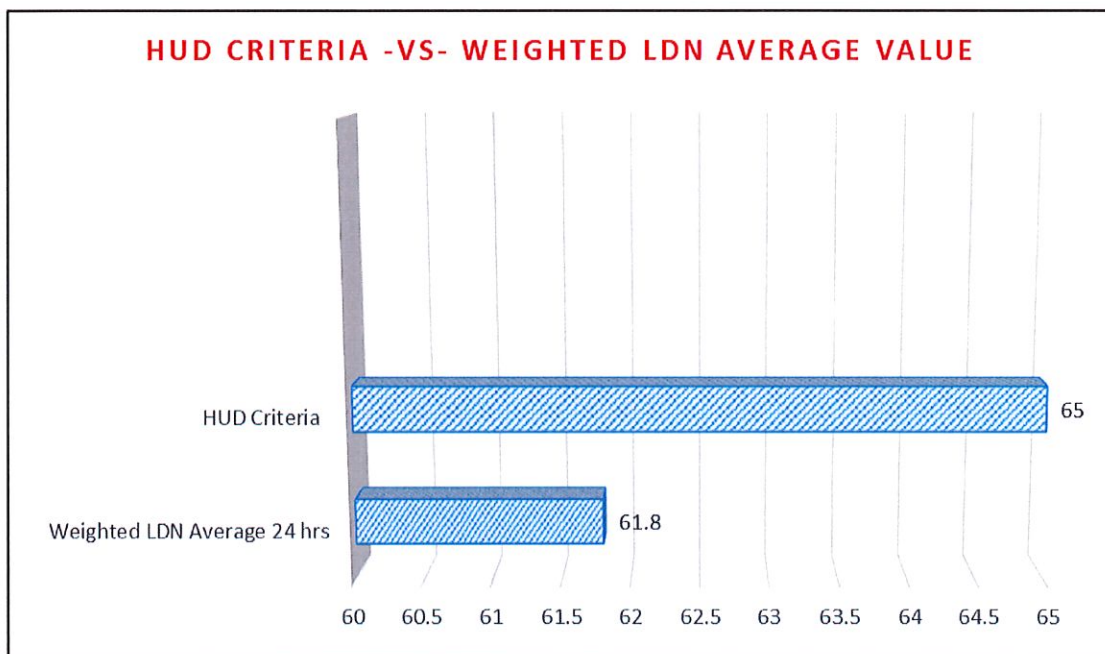


Figure #10- HUD Criteria -vs- Weighted LDN Average Value.

CONCLUSIONS AND RECOMMENDATIONS

The HUD noise acceptability criterion of 65 dB for exterior of the "Centro Metropolitano de Servicios Comunitarios, Inc." was met and in our opinion no further restrictions or controls are applicable to this project.

ACRONYMS

SPL - Sound Pressure Level will be displayed, with the selected weighting and response characteristics. The value displayed is the maximum SPL during the previous second. (SPL is also always shown in the display bar indicator.)

LEQ - The average integrated sound level accumulated while in the RUN mode is shown in the numeric display. LEQ indicates that a 3dB exchange rate was used for the measurements.

LAVG - The same type of measurement as LEQ, except that a 4, 5 or 6dB exchange rate was used. The display will be correct for the exchange rate selected.

TWA - Time Weighted Average. The average level accumulated during a study, but calculated with an eight-hour integration time.

LMAX - The Maximum SPL obtained while in the RUN mode is shown in the numeric display. With PEAK response selected, this functions as a Peak Hold.

LMIN - The Minimum Sound Pressure Level obtained while in the RUN mode is shown in the numeric display.

LN - The SPL exceeded for N of the time during a study. Four user selectable values are calculated. The default values are L5, L10, L50 and L90. The values may be changed in the PARA Setup Menu.

LDN - Day/Night Sound Level. The average sound pressure over a 24 hour study, with additional factors for time of day. Sound pressures between the hours of 10 pm and 7 am are increased by 10dB prior to being averaged. A 3dB exchange rate should be used and is generally assumed.

CNEL - Community Noise Exposure Level. The average sound pressure over a 24 hour study, with additional factors for time of day. Sound pressures between the hours of 7 pm and 10 pm are increased by 5dB prior to being averaged. Sound pressures between the hours of 10 pm and 7 am are increased by 10dB prior to being averaged. A 3dB exchange rate should be used and is generally assumed. If an exchange rate other than 3dB is selected via the Setup Menu, CNEL will not be calculated and the display will show.

% OL - Percentage of time during the study that an overload (OL) condition occurred. Overload indicates that the signal has exceeded the measuring range.

SEL - Sound Exposure in Pascal-squared seconds or Pascal-squared hours, switching from Pa2S to Pa2H at 3600 Pa2S. The display will show if the exchange rate is not 3dB.

SEL - The Sound Exposure Level is the constant Sound level which, if lasting for one Second, would deliver the same amount of acoustical energy as that accumulated over the entire Study

RTMS or **RTHM** - The total RUN time will be displayed. Time may be displayed in MIN:SEC and HRS:MIN. The MIN:SEC display for a Study that lasts over one hour will wrap around to 00:00. The HRS:MIN display will count to 99:59 and then wrap around to 00:00 but the actual time will be stored in memory.

LPK - The Peak Level. The output of a second peak detector may be viewed as LPK or logged. The frequency weighting is independent of the main RMS detector and may be set in the PAPA setup menu as 2PK. The selection of whether or not to log peaks is made in the LOG Setup Menu. The weighting selection (A, C or LIN) is made in the PAPA Setup Menu. While viewing LPK the weighting of the second peak detector is displayed, and the Weighting and Response keys are disabled.

LLOG - The LEQ (or LAVG) last logged during a study. Data is logged at a user defined interval. This feature may be used to display a timed LEQ for the previous logging interval. This display updates at the end of each logging interval. The display will show LLOG " if LEQ is not being logged.

TAKM - The time integration of individual Taktmaximal values. Taktmaximal is the maximum level (LMAX) encountered over either a 3 or 5 second interval. 3 or 5 second Taktmaximal is selected in the PAPA Setup Menu. Individual Taktmaximal (LMAX) values may be logged by setting the logging interval to 3 or 5 seconds in the LOG Setup Menu. Taktmaximal measurements are required by some countries' noise regulations. A Taktmaximal measurement calculates a higher average level for highly impulsive sounds than does a LEQ measurement. TAKN is affected by the Exchange Rate and should be run with an Exchange Rate of 3dB.

BATT - Displays the voltage of the weaker of the two 9 volt batteries to give an indication of remaining life. The low battery indication (DAT) on the display occurs at approximately 6.8 volts.

LC-A - An optional second RMS detector may be used to provide a simultaneous C-A weighted LEQ or LAVG of the measured sound. Refer to section 3.6 C-A Option".

DEFINITIONS

DbA- Sound level in decibels read on the A scale of sound-level meter. The A scale of a sound discriminates against very low frequencies (as does the human ear) and is therefore better for measuring general sound levels.

dBc- Sound level in decibels read on the C scale of sound-level meter. The C scale discriminates very little against very low frequencies.

Decibel (dB)- A unit used to express sound-power level (L and sound-pressure level (Lv). Sound power is the total acoustic output of a sound source in watts (W). By definition, sound-power level, in decibels, is: $L_w = 10 \log W/W_o$, where W is the sound power of the source and W_o is the reference sound power of 10^{-12} . Because the decibel is also used to describe other physical quantities, such as electrical current and electrical voltage, the correct reference quantity must be specified.

Far field- In noise measurements, this refers to the distance from the noise source where the sound-pressure level decreases 6 dBA for each doubling of distance (inverse square law).

Filter- A device for separating components of a signal on the basis of its frequency. It allows components in one or more frequency bands to pass relatively unattenuated, and it greatly attenuates components in other frequency bands.

Free sound field (free field)- A field in a homogeneous, isotropic medium free from boundaries. In practice it is a field in which the effects of the boundaries are negligible over the region of interest.

Frequency (in Hz)- Rate at which pressure oscillations are produced One hertz is equivalent to one cycle per second A subjective characteristic of sound related to frequency is pitch.

Hearing conservation- The prevention or minimizing of noise-induced deafness through the use of hearing protection devices, the control of noise through engineering methods, annual audiometric tests, and employee training.

Hearing level- The deviation in decibels of an individual's threshold from the zero reference of the audiometer.

Near Field- In noise measurements, refers to a field in the immediate vicinity of the noise source where the sound-pressure level does not follow the inverse square law.

Noise- Any unwanted sound.

Pink noise- Noise that has been weighted, especially at the low end of the spectrum, so that the energy per band (usually octave band) is approximately constant over the spectrum.

Sound absorption coefficient- The ratio of the sound energy absorbed by the surface of a medium (or material) exposed to a sound field (or to sound radiation) to the sound energy incident on that surface.

Sound analyzer- A device for measuring the band-pressure level or pressure-spectrum level of a sound as a function of frequency.

Sound level- A weighted sound-pressure level obtained by the use of metering characteristics and the weighting A, B, or C specified in ANSI S1.4.

Sound-level meter and octave-band analyzer- Instruments for measuring sound-pressure levels in decibels referenced to 0.0002 microbars. Readings can also be made in specific octave bands, usually beginning at 75 Hz and continuing through 10,000 Hz.

Sound-pressure level, SPL- The level, in decibels, of a sound is 20 times the logarithm to the base 10 of the ratio of the pressure of this sound to the reference pressure, which must be explicitly stated.

Sound transmission- The word sound usually means sound waves traveling in air. However, sound waves also travel in solids and liquids. These sound waves may be transmitted to air to make sound we can hear.

APPENDIX 1: "REGLAMENTO PARA EL CONTROL DE LA CONTAMINACIÓN DE RUIDO"

DEPARTAMENTO DE ESTADO

Número: **8019**

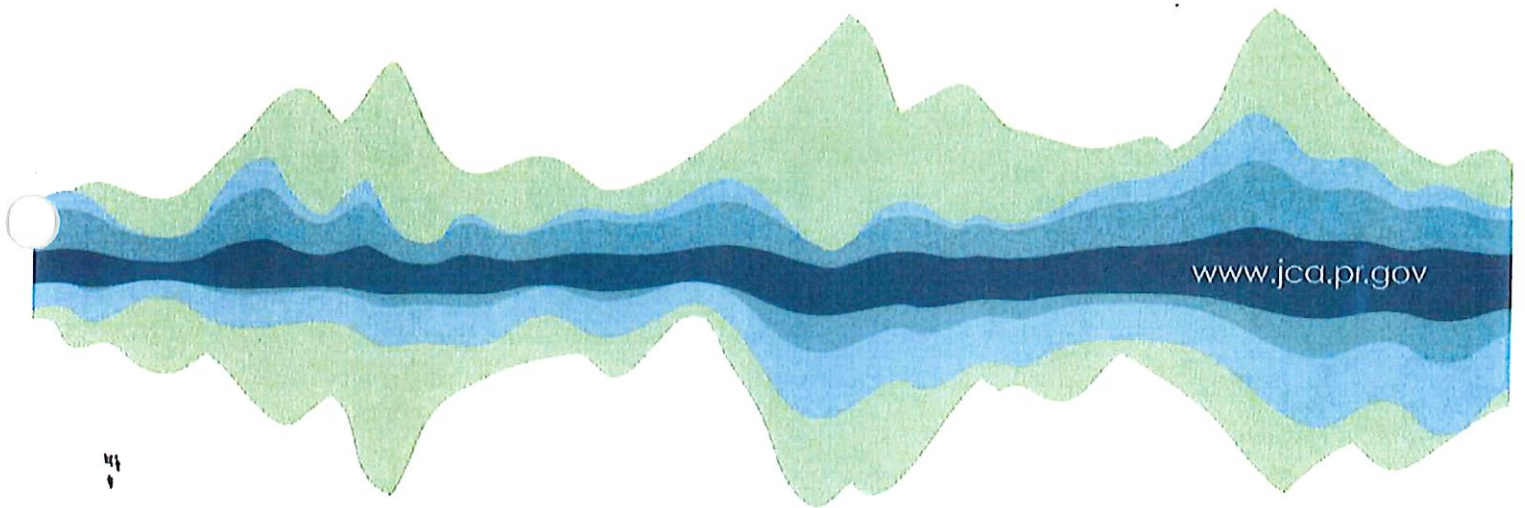
Fecha: 9 de mayo de 2011

Aprobado: Hon. Kenneth D. McClintock
Secretario de Estado



Por: Eduardo Arosemena Muñoz
Secretario Auxiliar de Servicios

Reglamento para el control de la CONTAMINACIÓN por RUIDOS



GOBIERNO DE PUERTO RICO • OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL
40 AÑOS PROTEGIENDO TU AMBIENTE

PUERTO RICO
VERDE
COLECCIÓN FORTALECIDA

JUNTA DE CALIDAD AMBIENTAL

VOLANTE SUPLETORIO

DEPARTAMENTO DE ESTADO
CERTIFICACIONES Y
REGULAMIENTOS
11 MAY -9 PM 3:59 PM

Título del Reglamento: Reglamento para el Control de Contaminación por Ruidos

Fecha de aprobación 5 de mayo de 2011 (Resolución R-11-7-1)

Aprobación: Junta de Gobierno en pleno compuesta por:

Sr. Reynaldo Matos
Miembro Asociado

Lcda. Blanche Gonzalez Hodge
Miembro Asociado

Lcdo. Pedro J. Nieves Miranda
Presidente

Fecha de publicación del Aviso Público: 1 de mayo de 2010, periódico El Vocero
1 de mayo de 2010, periódico Primera Hora
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11 de septiembre de 2010, periódico El Vocero

Agencia que lo aprobó: Junta de Calidad Ambiental
Edificio Agencias Ambientales Cruz
A. Matos
Urb. San José Industrial Park
1375 Avenida Ponce de León
San Juan, Puerto Rico 00926-2604

Referencia sobre autoridad estatutaria para promulgar el reglamento: Ley sobre Política Pública Ambiental, Ley Núm. 416 de 22 de septiembre de 2004, según enmendada

Reglamento Número: _____

Fecha de Radicación en el
Departamento de Estado: _____

Fecha de Vigencia: _____

Reglamento a enmendarse:

Reglamento para el Control de la
Contaminación por Ruidos,
Reglamento Núm. 3418 de 25 de
febrero de 1987.

CERTIFICACIÓN

Certifico que el procedimiento de reglamentación seguido en este caso se llevó a tenor con las disposiciones de la Ley de Procedimiento Administrativo Uniforme, Ley Núm. 170 de 12 de agosto de 1988, según enmendada, y que el reglamento a que hace referencia este Volante Supletorio fue debidamente revisado y no contiene errores sustantivos, tipográficos o clericales. Además, Certifico que con el Volante Supletorio se acompaña copia de los avisos de prensa publicados.



Lcda. Edmée Zeidan Cuebas
Secretaría de la Junta de Gobierno de
la Junta de Calidad Ambiental

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PARTE I: DISPOSICIONES GENERALES

REGLA 1 – TÍTULO

Estas Reglas se conocerán como Reglamento para el Control de la Contaminación por Ruidos.

REGLA 2 – BASE LEGAL

Este Reglamento es promulgado bajo la autoridad conferida a la Junta de Calidad Ambiental de Puerto Rico, en adelante la JCA, mediante la Ley sobre Política Pública Ambiental, Ley Núm. 416 del 22 de septiembre de 2004, según enmendada, y de conformidad con las disposiciones de la Ley de Procedimiento Administrativo Uniforme, Ley Núm. 170 del 22 de agosto de 1988, según enmendada.

REGLA 3 – ENMIENDA AL REGLAMENTO PARA EL CONTROL DE LA CONTAMINACIÓN POR RUIDO

Este Reglamento enmienda el Reglamento para el Control de la Contaminación por Ruidos, Reglamento Núm. 3418 de 25 de febrero de 1987.

REGLA 4 – PROPÓSITO

Los propósitos de este Reglamento son:

- A. Establecer las normas y requisitos para el control, disminución o eliminación de ruidos que puedan resultar nocivos a la salud y perturbar el bienestar público.
- B. Establecer los requisitos para los niveles de emisiones de ruido entre zonas y para la administración y procedimientos relacionados con la valoración de los niveles sonoros.

REGLA 5 – VIGENCIA DEL REGLAMENTO

- A. Este Reglamento comenzará a regir a los treinta (30) días de su radicación en el Departamento de Estado.

- B. Todos los asuntos que hayan sido presentados con antelación a la vigencia de este Reglamento y que se encuentren pendientes ante la JCA o un tribunal con jurisdicción y competencia, continuarán su curso de acuerdo a lo establecido en el Reglamento Núm. 3418 de 24 de febrero de 1987.

REGLA 6 – CLÁUSULA DE SEPARABILIDAD

Si cualquier disposición del presente Reglamento fuese declarada ilegal o inconstitucional por un tribunal con jurisdicción y competencia, tal decisión no afectará las demás disposiciones del mismo, las cuales se mantendrán en pleno efecto y vigor, considerándose cada una por separado.

REGLA 7 – DISPOSICIONES CONFLICTIVAS O CONTRADICTORIAS

Cuando dos o más disposiciones de este Reglamento sean aplicables a la misma situación de hechos y éstas resultaran ser contradictorias o conflictivas entre sí, se aplicará la disposición que sea más restrictiva.

REGLA 8-9 –RESERVADAS

PARTE II: DEFINICIONES

REGLA 10 – DEFINICIONES

Para propósitos de este Reglamento, los siguientes términos tendrán los significados que se expresan a continuación y deberá entenderse que el singular incluye el plural y el masculino incluye el femenino:

- A. **Aerogenerador** – es un aparato que convierte la energía eólica en energía eléctrica mediante un generador accionado por el viento, conocido también como turbina eólica. Sus componentes estructurales y mecánicos incluyen una torre, góndola (en inglés, "nacelle"), generador, sistema de control y cimientos, entre otros.
- B. **Amortiguador de sonido ("muffler")** – es cualquier dispositivo o artefacto utilizado para reducir el sonido producido por la emisión de gases provenientes de un motor de combustión interna.
- C. **Bocina de aire** – es cualquier artefacto que se utilice para producir una señal de sonido y para lo cual se utilice gas comprimido.

- D. Construcción** – es cualquier actividad relacionada a la instalación de un equipo generador de sonido, movimiento de terreno, demolición, remoción o disposición, excavación y operaciones de terminaciones en edificios, predios, derechos de vías, estructuras públicas o privadas o propiedad similar.
- E. Contaminación por ruido** – es cualquier emisión de sonido que exceda los niveles de ruido permitidos en este Reglamento.
- F. Decibelio o Decibel (dB)** – es una unidad para medir la intensidad del sonido, la cual es igual a veinte (20) veces el logaritmo de base 10 de la razón entre la presión del sonido y la presión de referencia, la que es 20 micro pascuales (μPa).
- G. dB(A)** – es la unidad de medida utilizada para comparar magnitudes del total de la presión de sonido cuando se usa la escala de medición "A" del sonómetro y usando una presión de referencia de 20 micro pascuales (μPa).
- H. Demolición** – es la destrucción, remoción o desmantelamiento intencional de estructuras de forma total o parcial, tales como, pero sin limitarse a, edificios públicos o privados, superficies de vía u otros similares.
- I. Día de la semana** – es cualquier día natural de la semana.
- J. Emergencia** – es cualquier determinación hecha por el Director Ejecutivo de la JCA o la Junta de Gobierno de la JCA, mediante Resolución al respecto, ante un evento particular, sobre cualquier situación o serie de situaciones que ponen en peligro real o inminente a cualquier persona, propiedad o recurso, y para el cual se requiere atención inmediata. Se entenderá también como emergencia, cualquier anomalía causada por un evento natural o tecnológico, tales como huracán, tornado, tormenta, inundación, terremoto, maremoto, derrumbe de tierra, sequía, incendio, explosión, accidente o materiales peligrosos, entre otros; cualquier grave perturbación del orden público o un ataque por fuerza enemiga a través de sabotaje o mediante el uso de bombas, artillería o explosivo de cualquier género o por medio atómico, radiológico, químico o bacteriológico, así como también por cualquier otro medio que utilice el enemigo en cualquier parte de Puerto Rico y que amerite que se movilicen y se utilicen recursos humanos y económicos extraordinarios a nivel estatal y municipal para remediar los daños causados o evitar los que puedan surgir en ese estado o para prevenir o disminuir la amenaza de que la emergencia pueda convertirse en un desastre.
- K. Emisión de Sonido** – es la emanación de sonido a la atmósfera por una

fuentes emisoras.

- L. Espectro sonoro** – es la descripción de un sonido en términos de sus componentes de frecuencia. Se utiliza el análisis en bandas de 1/1 octava, 1/3 octava y el análisis de Fourier (FFT).
- M. Fuente emisora** – es cualquier objeto o artefacto originador de ondas sonoras, sea de tipo estacionario, móvil o portátil.
- N. Góndola ("nacelle")** – es la estructura en la cima de la torre de un aerogenerador que contiene todos los componentes generatrices del aerogenerador, incluyendo el multiplicador y el generador eléctrico, entre otros.
- O. Junta de Calidad Ambiental (JCA)** – es la agencia del Gobierno de Puerto Rico creada por la Ley Núm. 416 de 22 de septiembre de 2004, según enmendada, conocida como la Ley sobre Política Pública Ambiental.
- P. Junta de Gobierno de la JCA** – es el organismo rector de la Junta de Calidad Ambiental, el cual se compone de tres miembros nombrados por el Gobernador con el consejo y consentimiento del Senado y se compone de un Presidente, un Vice-Presidente y un Miembro Asociado. Un Miembro Alternativo, que también es nombrado por el Gobernador, podrá sustituir a cualquiera de los miembros asociados cuando uno de estos no se encuentre presente.
- Q. K_1** – es la penalización por ruidos impulsivos ($L_{im} - L_{eq}$).
- R. K_f** – es la penalización por tonos prominentes.
- S. L_{10}** – es el nivel de sonido en la escala A, dB (A), que es excedido en un diez por ciento (10%) del tiempo para un determinado periodo bajo consideración.
- T. L_{90}** – representa el nivel que ha superado el 90% del tiempo de medida. Es indicativo de los valores bajos de ruido.
- U. L_{im}** – es el nivel máximo de presión observado con detección de "impulsos".
- V. $L_{equivalente} (L_{eq})$** – es el nivel sonoro continuo equivalente; es decir, el nivel constante, dB(A), que puede producir la misma energía sonora (medida en escala A) que un sonido variante especificado en un tiempo establecido.
- W. $L_{equivalente\ tiempo} (L_{eq\ T})$** – es el nivel sonoro continuo equivalente. Éste se

define como el valor del nivel de presión en dB en ponderación A de un sonido estable que en un intervalo de tiempo (T) posee la misma presión sonora cuadrática media (P_{rms} : valor eficaz) que el sonido que se mide y cuyo nivel varía con el tiempo.

X. L_{JCA} – el nivel máximo permitido a la fuente por este Reglamento, excluyendo la influencia del ruido de fondo.

Y. Límite de propiedad – es límite de la colindancia del predio donde ubica la fuente originadora de sonido.

Z. Medición de Sonido – es la recopilación de datos sonoros de acuerdo a los procedimientos establecidos por la Junta de Calidad Ambiental.

AA. Nivel de presión acústica ("Sound Pressure Level" o SPL) – es la cantidad en decibeles que se obtiene como resultado del cálculo matemático que consiste del producto de 20 por el logaritmo de base 10 de la razón entre la presión acústica registrada (P) y el valor de la presión acústica de referencia (P_{ref}) que equivale a 2×10^{-5} Newtons/m²; esto es, " $20 \log_{10} (P/P_{ref})$ ".

BB. Nivel de sonido o nivel sonoro – es el nivel de presión de sonido medido mediante las características de medición y escalas A, B o C, tal como lo especifica la última revisión de "Specification for Sound Level Meters" de la "American National Standards Institute" (ANSI).

CC. Ondas de sonido – son las variaciones periódicas ondulatorias de sonido en la densidad y en la presión del medio.

DD. Onda sonora – es la variación en la presión de un medio (típicamente, el aire) y que se propaga a una velocidad característica.

EE. Parte responsable – es toda persona natural o jurídica que sea dueño u operador de la fuente emisora del ruido causando un incumplimiento con este Reglamento.

FF. Periodo diurno – es el periodo comprendido entre las 7:00 a.m. y las 10:00 p.m. de cualquier día de la semana.

GG. Periodo nocturno – es el periodo comprendido entre las 10:01 p.m. de un día y las 6:59 a.m. del día siguiente.

HH. Persona – es toda persona, natural o jurídica, o grupo de personas privadas o públicas, incluyendo agencias e instrumentalidades del gobierno, municipios u otras similares.

II. Predio originador de sonido – es el sitio, local o lugar de origen de ondas sonoras o cualquier área geográfica, incluyendo todos los terrenos y cuerpos de agua contiguos. Éste comprende todas las fuentes individuales de sonido que estén localizadas dentro de los límites de dicha propiedad, ya sean de tipo estacionario, móvil o portátil.

JJ. Predio originador de sonido existente – es cualquier predio originador de sonido existente a la fecha de vigencia de este Reglamento.

KK. Predio originador de sonido nuevo o modificado – es cualquier predio originador de sonido que sea establecido en una fecha posterior a la vigencia de este Reglamento, o que existiendo sea modificado de alguna manera.

LL. Presión acústica – son las variaciones en la fuerza por unidad de área, medida en Newtons/metro², que se observa en un medio durante la propagación de una onda acústica. Para el caso del medio "aire", se registran variaciones por encima y por debajo de la presión atmosférica local.

MM. Presión de onda sonora– se representa como "Lp" y se expresa en decibeles. Esta cantidad se obtiene como resultado de un cálculo matemático que consiste del producto de 20 por el logaritmo de base 10 de la razón entre la presión de sonido (P) y una presión de referencia (P_{ref}) de 20 micro pascals (μPa); esto es, $L_p = 20 \cdot \log_{10} (P/P_{ref})$.

NN. Rotor – está compuesto por varias palas y es el que transforma la energía cinética del viento en un momento torsor en el eje del equipo.

OO. Ruido – es un sonido que excede las limitaciones (valores) establecidos en este Reglamento. El sonido podría o no resultar indeseable y afectar psicológicamente y/o fisiológicamente al ser humano.

PP. Ruido continuo – es aquel ruido que se manifiesta ininterrumpidamente durante más de tres minutos. Dentro de esta categoría se diferencian las siguientes tres situaciones:

1. Ruido continuo fluctuante – es aquel ruido cuyo nivel de presión acústica, (SPL), varía entre unos límites que difieren en más de 6 dB(A) cuando se utiliza la respuesta rápida ("fast") del sonómetro.

2. Ruido continuo uniforme – es aquel ruido cuyo nivel de presión acústica, (SPL), varía entre unos límites que difieren en menos de 3 dB(A) cuando se utiliza la respuesta rápida ("fast") del sonómetro.

- 3. Ruido continuo variable** – es aquel ruido cuyo nivel de presión acústica, (SPL), varía entre unos límites que van desde 3 a 6 dB(A) cuando se utiliza la respuesta rápida ("fast") del sonómetro.
- QQ. Ruido de fondo ambiental** – es el ruido existente en un ambiente dado y que se compone, usualmente, de sonidos de diversas fuentes, cercanas y lejanas. Se excluye la fuente de ruido que da lugar a la querrela.
- RR. Ruido de fondo despreciable** – es un ruido de fondo cuyo nivel está sobre los 10 dB de diferencia al de la fuente sonora que se desea medir.
- SS. Ruido de fondo elevado** – es un ruido de fondo cuya diferencia es menor de 3 dB cuando se compara con el ruido de la fuente sonora.
- TT. Ruido esporádico** – es aquel ruido que se manifiesta interrumpidamente durante un periodo de tiempo igual o menor de tres (3) minutos.
- UU. Ruido esporádico aleatorio** – es aquel ruido esporádico que se produce de forma totalmente impredecible.
- VV. Ruido esporádico intermitente** – es aquel ruido esporádico que se repite en periodos de tiempo que son posibles de determinar.
- WW. Ruido estridente** – es un ruido agudo, desapacible y chirriante.
- XX. Ruido impulsivo** – es un ruido procedente de un sonido impulsivo.
- YY. Ruido perturbador** – es un ruido que atenta contra la paz y/o tranquilidad de una persona y que viola las disposiciones de este Reglamento.
- ZZ. Sistema de generación de energía eólica** – es un sistema compuesto de uno o más aerogeneradores y sus obras accesorias. Para propósito de este Reglamento, este sistema podrá clasificarse en uno de tres grupos básicos conforme a las siguientes definiciones:
- 1. Sistema de generación de energía eólica de escala pequeña** – es aquel que en total tiene una capacidad nominal para generar hasta veinte (20) kilowatts (kW) de electricidad.
 - 2. Sistemas de generación de energía eólica de escala mediana o distribuida** – es aquel que se compone de uno (1) a cinco (5) aerogeneradores y que en total tiene una capacidad nominal para generar más de veinte (20) kilowatts (kW) de electricidad, pero en el que

ninguno de los aerogeneradores tiene la capacidad para generar individualmente más de un (1) megawatt (MW) de electricidad.

3. Sistemas de generación de energía eólica de gran escala o escala industrial – es aquel que se compone de más de cinco (5) aerogeneradores o que, de estar compuesto por menos de cinco (5) aerogeneradores, incluye al menos un (1) aerogenerador que tiene la capacidad individual para generar un (1) megawatt (MW) de electricidad o más.

AAA. Sonido – es un fenómeno físico en el cual la materia se pone en vibración y genera una onda acústica en un medio particular que es captada por un receptor. Éste se puede describir usando diversas características, tales como: longitud de onda, velocidad de propagación, nivel sonoro, contenido espectral y duración.

BBB. Sonido impulsivo – es un sonido de muy corta duración, generalmente de una fracción de segundo y con una abrupta subida y rápida disminución de presión acústica. Ejemplos típicos de este tipo de sonido son las explosiones, impactos de martillo, descargas de armas de fuego, entre otros.

CCC. Sonido Indeseable – es aquel sonido que excede los niveles permitidos en este Reglamento.

DDD. Sonómetro – es un instrumento que se usa para medir los niveles de sonido, de acuerdo con el "Specification for Sound Level Meters" Type 1 y 2, o la última revisión aprobada de la "American National Standards Institute" (ANSI). Incluye el sonómetro de precisión calibrada y el sonómetro integrado de precisión.

EEE. Tono – es un sonido caracterizado por una sola frecuencia e incluye cualquier sonido que pueda ser percibido como un tono único o una sucesión de tonos.

FFF. Torre – es una estructura que soporta la góndola y el rotor en un aerogenerador.

GGG. Vehículo de motor – es cualquier vehículo impulsado o movido sobre el terreno por un motor. Incluye vehículos tales como, pero sin limitarse a, vehículos de pasajeros, camiones, camiones de arrastre, arrastres de acampar, vehículos de carreras, vehículos de recreación y motocicletas.

HHH. Vía pública – es cualquier vía, calle, carretera, autopista, avenida, callejón, acera o espacio similar destinado al uso público.

III. Vibración – es un movimiento oscilatorio de cuerpos materiales y que es descrito por las variables de velocidad, aceleración y amplitud.

JJJ. Zona – cualquiera de las áreas en la que el ser humano lleva a cabo diversas actividades y que han sido clasificadas en este Reglamento como: zona de tranquilidad, zona residencial, zona comercial o zona industrial.

KKK. Zona Comercial – área donde se agrupan locales comerciales no habitados por humanos y en los que se vende toda clase de mercancía o se brindan servicios misceláneos. En esta zona se permiten niveles superiores a los permitidos en las zonas residenciales, pero inferiores a los niveles de ruido en las zonas industriales. Esta definición incluye, pero no se limita, a áreas tales como las siguientes: establecimientos comerciales de alimentos, estaciones de servicios de vehículos, recreación y entretenimiento, servicios comunales.

LLL. Zona de Tranquilidad – área previamente designada por el gobierno estatal, municipal o federal, en la que haya necesidad de una tranquilidad excepcional.

MMM. Zona Industrial – área de terreno subdividida y desarrollada, de acuerdo con un plan general, para el uso de una cantidad de empresas industriales en la cual los seres humanos van a permanecer por largos periodos de tiempo. Las actividades económicas que envuelve esta zona, son de tal naturaleza que se anticipan niveles mayores de ruido que en las otras zonas.

NNN. Zona Residencial – área en la cual los seres humanos habitan y donde los niveles de ruido pueden interferir con el disfrute de la propiedad. Ésta incluye todas las residencias, terrenos y estructuras. Dicha zona aplica también a cualquier sitio dentro de los límites de la propiedad, según sea aplicable.

PARTE III: DISPOSICIONES ADMINISTRATIVAS

REGLA 11 – DERECHO DE UN FUNCIONARIO A ACCEDER, INSPECCIONAR, EXAMINAR O LLEVAR A CABO CUALQUIER ACCIÓN PERTINENTE

A. La JCA, representada por sus miembros, agentes o empleados, podrá acceder, inspeccionar, examinar y llevar a cabo cualquier otra acción autorizada por este Reglamento, por la Ley sobre Política Pública Ambiental, *supra*, por la Ley de Procedimiento Administrativo Uniforme, *supra*, o por un Tribunal con jurisdicción y competencia. Estas acciones podrán llevarse a

cabo en cualquier local, equipo, instalación y/o documentos de cualquier persona, entidad, firma, agencia o instrumentalidad gubernamental sujeta a su jurisdicción. Estas gestiones serán realizadas con el fin de investigar, inspeccionar o tomar aquellas medidas que se estimen necesarias para asegurar las mejores condiciones ambientales, verificar el cumplimiento con las disposiciones de este Reglamento y tomar las medidas de sonido que la JCA estime necesarias.

- B. En caso de que a un funcionario de la JCA que esté identificado como tal, se le niegue el acceso o se le impida realizar una inspección o cualquier acción autorizada en ley, la JCA podrá expedir una orden administrativa u obtener una orden judicial, según los procedimientos dispuestos por la Ley sobre Política Pública Ambiental, *supra*, la Ley de Procedimiento Administrativo Uniforme, *supra*, o cualquier otra ley especial.
- C. Cualquier solicitud de documentos que se encuentre dentro del ámbito jurisdiccional de la JCA que sea hecha por un funcionario de esta agencia y que esté debidamente identificado y autorizado para llevar a cabo una inspección o cualquier asunto comprendido en la Ley de Política Pública Ambiental, *supra*, o en este Reglamento, tendrá que ser provista dentro de un término no mayor de cuarenta y ocho (48) horas o aquel período de tiempo que disponga la JCA.

REGLA 12 – INFORMACIÓN DISPONIBLE AL PÚBLICO

- A. Toda información recibida por la JCA estará disponible para ser inspeccionada y copiada por el público, según dispuesto en la Ley sobre Política Pública Ambiental, *supra*, en este Reglamento o en cualquier mecanismo que para ello se apruebe por la JCA.
- B. Cualquier persona que someta información y documentos a la JCA, podrá reclamar confidencialidad para toda o parte de la información o documento sometido. Dicha solicitud deberá realizarse por escrito y expondrá todas las razones por las cuales se solicita la confidencialidad.
- C. Cualquier información o documento presentado a la JCA sin haberse presentado la correspondiente solicitud de confidencialidad conforme a lo aquí dispuesto, estará disponible al público sin restricción alguna. La JCA adjudicará los reclamos de confidencialidad de conformidad con la Ley sobre Política Pública Ambiental, *supra*, o cualquier mecanismo que a tales efectos apruebe la Junta de Gobierno de la JCA.

REGLA 13 – NOTIFICACIÓN DE VIOLACIÓN Y ÓRDENES ADMINISTRATIVAS

- A. Siempre que la JCA encuentre que una o más disposiciones de este Reglamento han sido violadas o haya motivos fundados para pensar que han sido violadas, la JCA podrá, a su discreción, expedir por escrito una notificación de violación en contra del alegado infractor. Toda notificación especificará en qué consistió la violación y/o los aspectos que están fuera de cumplimiento con esta reglamentación.
- B. La notificación de la que habla el inciso anterior especificará los requisitos y las condiciones que la JCA determine necesarios y podrá incluir términos de tiempo para lograr cumplimiento. No obstante lo antes mencionado e independientemente de que se haya expedido una notificación de violación, la JCA podrá expedir una Orden Administrativa de Hacer, Mostrar Causa y/o, Cese y Desista, así como cualquier otra acción o provisión disponible en la Ley sobre Política Pública Ambiental, *supra*.

REGLA 14 – PENALIDADES

- A. Cualquier violación a este Reglamento estará sujeta a las penalidades según establecidas en la Ley sobre Política Pública Ambiental, *supra*.
- B. La imposición de penalidades se realizará luego de finalizado un proceso de vista administrativa, el que se conducirá según las disposiciones de la Ley de Procedimiento Administrativo Uniforme, *supra*, la Ley sobre Política Pública Ambiental, *supra*, y el reglamento aprobado por la JCA para la celebración de procedimientos y/o vistas administrativas.

REGLA 15 – ESTORBO PÚBLICO

Ninguna parte de este Reglamento deberá entenderse como que autoriza o legaliza la creación o mantenimiento de un estorbo público, según ha sido definido por las leyes estatales y federales.

REGLA 16 – ACCIONES LEGALES DE CIUDADANOS

Ninguna parte de este Reglamento deberá entenderse como un límite a las acciones legales civiles que pudiesen llevar los ciudadanos, según se establece en el Artículo 19 de la Ley sobre Política Pública Ambiental, *supra*.

REGLA 17 – RESPONSABILIDAD DE CUMPLIMIENTO

Este Reglamento no limita el derecho de persona alguna para exigir o lograr el cumplimiento con sus requisitos o para proveer los servicios requeridos al

contratar con terceros. Sin embargo, tales contratos no relevarán a ninguna persona de la obligación de cumplir con este Reglamento.

REGLA 18-19- RESERVADAS

PARTE IV: PROHIBICIONES Y REQUISITOS GENERALES

REGLA 20- PROHIBICIONES GENERALES

A. Acciones prohibidas

Queda prohibida cualquier acción u omisión en violación a los requisitos establecidos en este Reglamento. Por tanto, ninguna persona causará o permitirá que se produzca la contaminación por ruido debido a la emisión de cualquier sonido en violación a este Reglamento.

B. Información Falsa o Errónea.

Ninguna persona podrá someter por sí o por una tercera persona, información falsa o errónea a la JCA. Tampoco podrá incluir o permitir que se incluya información falsa en algún documento sometido a la JCA en virtud de este Reglamento.

C. Interferencia

Ninguna persona causará o permitirá:

1. La interferencia, alteración, remoción o destrucción de cualquier equipo de control de ruido, excepto que no sea para propósitos de reparación o reposición.
2. La interferencia intencional o alteración de cualquier instrumento, artefacto o área de localización debidamente rotulada, que haya sido localizado por o para la JCA con el propósito de llevar a cabo cualquier tipo de medición de sonido.
3. El uso de un producto al cual le haya sido removido o dejado inoperante el sistema de control de ruido, cualquier elemento de diseño de éste o su rótulo de nivel de sonido.

D. Registros o Records

La JCA podrá requerir del dueño o persona responsable de cualquier predio originador de sonido o fuente emisora de sonido, que establezca y mantenga un registro sobre la emisión de los mismos, así como preparar aquellos informes que, a juicio de la JCA, sean necesarios.

E. Mediciones

Todas las mediciones y los análisis de datos se harán de acuerdo con los métodos y procedimientos adoptados o aceptados por la JCA conforme a este Reglamento.

F. Equipo

Todo equipo para el control de la contaminación por ruidos deberá instalarse, conservarse y operarse en forma satisfactoria y razonable de acuerdo con las especificaciones del fabricante, de la "American National Standards Institute" (ANSI), *Specification for Sound Level Meter*, S1.4-1971, o su última revisión, así como con aquellos requisitos establecidos por la JCA.

REGLA 21 – RUIDOS PROHIBIDOS

A. Las siguientes acciones, entre otras, se declaran como ruidos contaminantes, excesivos, perturbadores y estridentes y están prohibidos por este Reglamento:

1. Bocinas y sirenas

Ninguna persona ocasionará o permitirá, innecesariamente, el sonar de bocinas y sirenas de cualquier vehículo de motor en una vía pública o predio originador de sonido, excepto como una señal de peligro o en casos de emergencia, según definido en este Reglamento.

2. Radios, instrumentos musicales, velloneras, amplificadores y artefactos similares

Ninguna persona operará o permitirá la operación de cualquier radio, instrumento musical, vellonera, amplificador o cualquier artefacto similar para la producción o reproducción de sonido, de tal forma que ocasione contaminación por ruido a través del límite de propiedad, en violación de los límites fijados en este Reglamento.

3. Altoparlantes exteriores, megáfonos y artefactos similares

Ninguna persona usará u operará o permitirá el uso u operación de cualquier altoparlante, megáfono o artefacto similar en una posición fija o movable en el exterior de cualquier estructura o vehículo de motor, en exceso de los niveles máximos permitidos bajo este Reglamento. No podrán usarse dichos artefactos durante el periodo nocturno.

4. Construcción

Ninguna persona usará u operará o permitirá el uso u operación de cualquier equipo para la construcción, reparación o trabajos de demolición, de forma que se produzca contaminación por ruido, según se define en este Reglamento. Además, se prohíbe el uso u operación de dicho equipo durante el periodo nocturno, excepto para realizar obras en casos de emergencia, según definido en este Reglamento.

Esta Sección no aplicará al uso de herramientas domésticas, sujeto a este Reglamento.

5. Vehículos de motor

a. Ninguna persona operará o permitirá la operación de un vehículo de motor en una vía pública en cualquier momento de forma tal que los niveles de presión de sonido emitidos por el vehículo excedan los niveles máximos permisibles establecidos en este Reglamento. Tampoco se permitirá la operación de un vehículo de motor que no esté equipado por un sistema, aparato o artefacto amortiguador de sonido que opere eficientemente.

b. Ninguna persona dejará operando o permitirá la operación de cualquier vehículo de motor o cualquier equipo auxiliar de arrastre estacionado en una vía pública o predio de estacionamiento público o privado, a una distancia menor de 150 pies de la zona designada como residencial o tranquilidad durante el periodo nocturno. Esta prohibición abarca todo equipo que forme parte del vehículo de motor, tales como, pero no limitados a, equipo de refrigeración o equipo similar.

6. Eventos de vehículos de motor de carreras

Ninguna persona realizará o permitirá la realización de pruebas o carreras de vehículos de motor, en violación de las normas establecidas

en este Reglamento. Dicha prohibición está exceptuada para aquellas pistas autorizadas en forma prescrita por la JCA.

7. Vehículos de recolección de desperdicios sólidos

- a. Ninguna persona operará o permitirá la operación del mecanismo de compactar desperdicios sólidos en cualquier vehículo de motor, de tal forma que durante el ciclo de compactación se exceda el nivel de presión de sonido de 76 dB(A) medido a una distancia de 23 pies o su equivalente, desde cualquier punto del vehículo.
- b. Ninguna persona recolectará o permitirá la recolección de desperdicios sólidos en las zonas residenciales y de tranquilidad entre las 10:00 p.m. de un día a las 6:00 a.m. del siguiente día.

8. Alarmas

Ninguna persona sonará o permitirá el sonar de cualquier alarma exterior en cualquier edificio o vehículo a menos que tal alarma cese su operación dentro de diez (10) minutos luego de ser activada y cuya finalidad tenga el propósito de alertar una emergencia u acto criminal.

9. Maquinaria, equipo, abanicos y acondicionador de aire

Ninguna persona operará o permitirá la operación de maquinaria, equipo, abanicos y acondicionadores de aire de tal forma que excedan los límites máximos de niveles de presión de sonido establecidos en este Reglamento.

10. Reparación y prueba de vehículos de motor

La reparación, remodelación, reconstrucción, fabricación o prueba de cualquier vehículo de motor o motocicletas estará sujeta a los niveles máximos permisibles de sonidos fijados en este Reglamento.

11. Equipo de motor doméstico (*Domestic Power Tools*)

Ninguna persona operará o permitirá la operación de equipos de motor tales como: sierras, lijadoras, taladros, máquinas de cortar grama y equipo de jardín o herramientas de cualquier naturaleza, usados primordialmente para propósitos domésticos en el exterior e interior de residencias, durante las horas que comprende el periodo nocturno. Tampoco se podrá operar o permitir la operación de tal equipo de motor

en cualquier momento, de tal forma que viole las disposiciones de este Reglamento.

12. Venta por pregono

Ninguna persona venderá o permitirá la venta de cualquier producto pregonando en cualquier área, mediante el uso de sistemas de amplificación, de forma que la emisión de sonidos exceda los niveles máximos permisibles especificados en este Reglamento. Además, queda prohibida la venta por pregono durante el periodo nocturno.

13. Vibración

Ninguna persona operará o permitirá la operación de cualquier artefacto que genere vibraciones causadas por ondas sonoras o presión de sonido que puedan percibirse sin instrumentos, o que esté sobre los límites de percepción de una persona, en o más allá de los límites de cualquier propiedad contigua a la fuente originadora.

- B. Zona de Tranquilidad – Ninguna persona emitirá o permitirá la emisión de cualquier ruido innecesario, inesperado o inusitado, en violación a este Reglamento, en zonas donde sea necesaria tranquilidad mientras la misma está en uso. El área designada como zona de tranquilidad deberá estar provista de señales y rótulos conspicuos que hayan sido desplegados en calles adyacentes o contiguas, indicando que la misma es una zona de tranquilidad.

REGLA 22-23 – RESERVADAS

PARTE V: CLASIFICACIÓN DE ZONAS Y LOS NIVELES DE EMISIÓN DE SONIDOS ENTRE ZONAS

REGLA 24 – APLICABILIDAD

Esta Parte aplica a la fuente emisora o predio originador de cualquier sonido que pueda cruzar los límites de propiedad y exceder los niveles establecidos en la Tabla I, según medido en la zona receptora apropiada.

REGLA 25 – CLASIFICACIÓN DE ZONAS

A. Zona I: Residencial – Incluye, pero no se limita, a áreas tales como las siguientes:

1. Residencias

- a. permanentes
- b. rurales o campestres
- c. de verano

2. Viviendas comerciales

- a. hoteles y moteles
- b. apartamentos alquilados
- c. parques de casas móviles
- d. campamentos
- e. cabañas
- f. casa de huéspedes
- g. dormitorios estudiantiles

3. Servicios a la comunidad

- a. orfanatos
- b. instituciones correccionales
- c. instituciones de caridad

B. Zona II: Comercial – Incluye, pero no se limita, a áreas tales como:

1. Establecimientos comerciales de alimentos

- a. restaurantes
- b. comedores
- c. cafeterías
- d. heladerías
- e. clubes nocturnos
- f. cafetería al aire libre o rodante
- g. carnicerías
- h. supermercados

2. Estaciones de servicios de vehículos

- a. gasolineras
- b. venta y renta de vehículos de motor

- c. estacionamientos de vehículos públicos y privados
- d. centro de lavado de vehículos de motor
- e. servicios de reparación (hojalatería, pintura y mecánica, electrónica)
- f. servicio de accesorios para vehículos de motor

3. Comerciales

- a. funeraria
- b. clínicas veterinarias
- c. barberías
- d. salones de Belleza
- e. lavanderías
- f. oficinas
- g. farmacias
- h. centros comerciales

4. Recreación y entretenimiento

- a. teatros
- b. estadios
- c. hipódromos
- d. campos de golf
- e. lugares de diversiones y recreación
- f. playas, Ríos, Lagos y Lagunas
- g. plazas públicas
- h. gimnasios
- i. salones de bailes y discotecas

5. Servicios comunales

- a. iglesias
- b. centros culturales
- c. cotos de caza y pesca
- d. bosques estatales o nacionales

C. Zona III: Industrial – Incluye, pero no se limita, a áreas tales como:

1. Establecimientos de carga y descarga

- a. ferreterías
- b. almacenes, madereras, tiendas de ventas al por mayor
- c. terminal de camiones
- d. muelles
- e. depósito de materiales de construcción

f. instalación de desperdicios sólidos no peligrosos o peligrosos

2. Área Industrial: propiedades utilizadas en la fabricación de bienes de consumo

- a. minería
- b. industrias livianas y pesadas
- c. petroquímicas
- d. refinerías
- e. extracción y procesamiento de materiales de la corteza terrestre
- f. siderúrgicas
- g. canteras
- h. central termoeléctrica
- i. farmacéuticas
- j. procesamiento agroquímicos
- k. almacenamiento de tanques de gas

3. Agricultura: área utilizada en la producción de cultivos de cosechas y/o crianza de animales

- a. granjas avícolas, conejos, porcinos y apicultura (abejas)
- b. vaquerías
- c. invernaderos
- d. graneros
- e. siembra, cultivo
- f. caballerizas

D. Zona IV: Tranquilidad – Incluye, pero no se limita, a áreas tales como:

- 1. Hospitales
- 2. Clínicas
- 3. Hospitales de salud mental
- 4. Tribunales de justicia
- 5. Asilos de ancianos
- 6. Escuelas
- 7. Guardería o cuidados infantiles

REGLA 26 – LÍMITE DE NIVELES DE SONIDO

Ninguna persona emitirá o permitirá la emisión de cualquier sonido, el cual al cruzar el límite de propiedad del predio originador de sonido, pueda exceder los niveles establecidos en la Tabla I de este Reglamento, según medido en la zona receptora apropiada de acuerdo con las definiciones de este Reglamento.

REGLA 27 -- LÍMITES DE NIVELES DE SONIDO PARA AEROGENERADORES O SISTEMAS DE GENERACIÓN DE ENERGÍA EÓLICA

A fin de establecer los límites de sonido para los casos en que la fuente emisora de sonido es un aerogenerador o sistema de generación de energía eólica, según definido en este Reglamento, se aplicará la Tabla I con los siguientes ajustes:

- A. Cuando la fuente emisora es un aerogenerador o sistema de generación de energía eólica y la zona receptora es una Zona I (residencial), para el periodo nocturno con un nivel de sonido establecido de 50 dB(A), se realizará el ajuste de añadir 5 dB(A), a fin de que el nivel de sonido en estos casos sea de 55 dB(A).
- B. Cuando la fuente emisora es un aerogenerador o sistema de generación de energía eólica y la zona receptora es una Zona IV (tranquilidad) para el periodo nocturno con un nivel de sonido establecido de 50 dB(A), se realizará el ajuste de añadir 5 dB(A), a fin de que el nivel de sonido en estos casos sea de 55 dB(A).

TABLA I
LÍMITE DE NIVELES DE SONIDO
dB(A)

Nivel de Sonido Excedido en 10 % del Periodo de Medición (L₁₀)

FUENTE EMISORA	ZONAS RECEPTORAS							
	Zona I (Residencial)		Zona II (Comercial)		Zona III (Industrial)		Zona IV (Tranquilidad)	
	D	N	D	N	D	N	D	N
Zona I (Residencial)	60	50	65	55	70	60	55	50
Zona II (Comercial)	65	50	70	60	75	65	55	50
Zona III (Industrial)	65	50	70	65	75	75	55	50
Zona IV (Tranquilidad)	65	50	70	65	75	75	55	50

Nota: "D" implica el periodo diurno y "N" implica el periodo nocturno.

REGLA 28 – MONITOREO

- A. A los únicos fines de orientar sobre la reglamentación de la JCA a una potencial fuente de ruidos que se presume podría emitir ruidos en violación a este Reglamento, personal de la JCA podrá requerir el encendido de la fuente, siempre y cuando la misma esté instalada o construida. Dicho encendido se solicitará con el fin de evaluar los niveles de sonido que genera la fuente. De no estar en cumplimiento con este Reglamento, la JCA podrá emitir una Notificación de Cortesía apercibiéndole de las violaciones a las que se expone de encontrarse operando la fuente.
- B. La JCA podrá requerir de cualquier predio originador de sonido o fuente emisora de ruido, que instale, opere y mantenga un equipo de monitoreo, así como la preparación y radicación de informes sobre la misma.

REGLA 29 – EXCEPCIONES A LAS PROHIBICIONES

A. Durante el período diurno

Las prohibiciones establecidas en esta Regla aplicarán a las fuentes emisoras o predio originador de cualquier sonido que pueda cruzar los límites de la propiedad. Las siguientes acciones, cuando se lleven a cabo durante el período diurno (7:00 a.m. a 10:00 p.m.), estarán exentas de los requisitos establecidos en este Reglamento:

1. los sonidos emitidos por los proyectos temporeros para la reparación y mantenimiento de hogares y sus dependencias,
2. los sonidos emitidos durante la instalación y reparación de servicios públicos esenciales, y
3. los sonidos emitidos por un disparo de armas livianas de fuego en polígonos de tiro autorizados.

B. Emergencias

No se considerará contaminación por ruido aquel sonido que, generado en exceso de los niveles autorizados en este Reglamento, sea realizado al efectuarse un trabajo de emergencia, según definido en este Reglamento, para proteger la salud, seguridad o bienestar inmediato de la comunidad o individuos, o restauración de la propiedad como medida de seguridad luego de un desastre. Nada de lo contenido en este inciso se entenderá como que permite al personal de emergencia, policías, bomberos o conductores de

ambulancias y otros similares a producir ruidos durante el cumplimiento de sus deberes cuando tales ruidos sean claramente innecesarios.

C. Excepciones generales

Las siguientes situaciones se considerarán como excepciones adicionales a la prohibición de ruidos, según definido en este Reglamento:

1. los sonidos emitidos por artefactos para la prevención de accidentes;
2. los sonidos emitidos por asambleas, actos públicos y paradas no rutinarias;
3. los sonidos emitidos por el disparo de armas livianas de fuego durante la temporada de caza siempre que se produzcan en áreas designadas para esos fines;
4. los sonidos emitidos por las calderas de refinerías de petróleo y las plantas generatrices de electricidad durante el encendido de esas calderas;
5. los sonidos emitidos por campanas, campanarios y/o carillones que se extienden hasta quince (15) minutos;
6. el sonido emitido por la voz humana no amplificada;
7. el sonido emitido por los animales;
8. el sonido emitido por el encendido de plantas de emergencia como parte del proceso de calentamiento, siempre que no exceda los diez (10) minutos; y
9. el sonido emitido por los aeroplanos, ya que el mismo está regulado por la Ley Federal de la Administración Federal de Aviación (Federal Aviation Administration) y las normas de ruido establecidas por la Agencia Federal de Protección Ambiental (*Environmental Protection Agency*) para la manufactura de nuevos productos.

D. La mejor tecnología de control

Nada de lo contenido en esta sección se entenderá como que impedirá a la JCA requerir la instalación de la mejor tecnología de control de ruido disponible en el mercado para aquellas actividades que se declaren exentas de las disposiciones de este Reglamento.

REGLA 30 – CONSEJO ASESOR PARA ASUNTOS RELIGIOSOS

El Director Ejecutivo de la JCA constituirá un Consejo Asesor sobre Asuntos Religiosos para asesorar a la JCA en el establecimiento de la política pública ambiental que de alguna manera incida en el derecho constitucional de libre culto que les asiste a las instituciones religiosas en Puerto Rico. Este Consejo Asesor estará compuesto, entre otros, por líderes de organizaciones religiosas debidamente establecidas en Puerto Rico. Dicho Consejo Asesor establecerá su organización interna.

REGLA 31 – CRITERIOS PARA LA TOMA DE MEDICIONES

Los siguientes criterios serán utilizados para identificar condiciones que requieren la mitigación de ruidos relacionados al tránsito en las vías públicas, siempre que éstos sean la fuente emisora más prominente. Esta evaluación requiere la determinación del nivel equivalente, L_{eq} 1hr (1HL), correspondiente a la hora del día o de la noche en que se registra el mayor impacto de ruido, según se describe en la Tabla II.

TABLA II
CRITERIOS PARA LA TOMA DE MEDICIONES

CATEGORÍA	1HL	DESCRIPCIÓN DE USOS Y ACTIVIDADES
A	57 dBA (exterior)	Lugares que requieren tranquilidad excepcional y preservación del ambiente
B	67 dBA (exterior)	Viviendas, hoteles, parques, iglesias, escuelas, bibliotecas, hospitales
C	72 dBA (exterior)	Desarrollos no incluidos en A y B, y comercios e industrias
D	(No hay límites establecidos)	Tierras no desarrolladas
E	52 dBA (interior)	Viviendas, hoteles, edificios públicos, iglesias, escuelas, bibliotecas, hospitales, auditorios, edificios comerciales

Estos criterios son cónsonos con las recomendaciones de la Administración Federal de Carreteras (*Federal Highway Administration*). Como los límites indicados no representan condiciones normales aceptables, se recomienda en cada caso la implantación de mitigación de ruidos que provean atenuación mínima del orden de 10 dB(A).

REGLA 32-33- RESERVADAS

PARTE VI: VALORACIÓN DE LOS NIVELES SONOROS

REGLA 34 – APLICABILIDAD

Esta Parte aplicará a todo procedimiento en el que se valorará el nivel sonoro, incluyendo el equipo utilizado.

REGLA 35 – CONSIDERACIONES GENERALES SOBRE EQUIPO SONOMÉTRICO

- A. El sonómetro deberá cumplir con las normas de la *American National Standards Institute* para instrumentos Tipo I o Tipo II, las cuales están disponibles en la Biblioteca de la JCA.
- B. El sonómetro tiene que estar en total funcionamiento y deberá tener baterías con la carga suficiente para evitar que el aparato indique necesidad de reemplazo de baterías durante una medición.
- C. El sonómetro tiene que ser verificado en su calibración antes y después de cada medición sonométrica.

REGLA 36 – PROTOCOLO PARA MEDICIONES SONOMÉTRICAS

- A. Se utilizará un sonómetro para determinar el nivel de sonido L_{10} . Se determinará el valor de L_{10} registrado en un intervalo no menor de treinta (30) minutos de duración. Deberá considerarse si la fuente emisora opera el mínimo de tres (3) minutos, que es el nivel de sonido correspondiente al L_{10} del periodo de medición. Se podrán tomar muestras adicionales para asegurarse que dichas medidas son representativas de las emisiones de la fuente, según medidas en la zona receptora correspondiente.
- B. Se empleará la escala de ponderación de frecuencias A ("A-weighting") en todas las mediciones. Los niveles de sonido se indicarán en dB(A).

- C. La respuesta del detector del sonómetro ("response") se colocará en la posición de integración rápida ("fast") y si las oscilaciones de la lectura fueran superiores a 4 ó 5 dB(A), se cambiará a respuesta lenta ("slow").

REGLA 37 – RUIDO DE FONDO

A. Consideraciones

1. El ruido de fondo no debe "ahogar" la señal que es de interés.
2. El nivel de la señal (fuente emisora) debe ser por lo menos de 3 dB superior al ruido de fondo.
3. Si el nivel de ruido de fondo es 3 dB menos que la fuente generante, no se realizará una medición de precisión del efecto de la fuente sonora.
4. La medición de ruido de fondo se realizará en términos de la estadística L_{spl} , según medido durante un intervalo continuo no menor de tres (3) minutos de duración.
5. Se podrán tomar muestras adicionales del nivel de ruido de fondo para asegurar que las medidas obtenidas son representativas del ambiente acústico existente en el lugar.
6. Si el operador de la fuente causante del ruido no acata la solicitud del funcionario de la JCA para detener el equipo o las actividades ruidosas durante el tiempo requerido para realizar las mediciones de ruido de fondo o el operador de la fuente no se encuentra en la facilidad, o por situaciones de emergencia y/o seguridad no sea posible detener el equipo o las actividades ruidosas, no se incluirá ajuste alguno por ruido de fondo. Bajo estas circunstancias se asumirá que los niveles de ruido observados son causados enteramente por la fuente emisora. Dicho hecho se hará constar como parte del informe realizado.

B. Procedimiento a seguir en condiciones de un nivel de ruido de fondo elevado:

1. Se tomará la medida del nivel de sonido con la fuente de ruido funcionando (L_{sn}).
2. Se tomará la medida del nivel de ruido de fondo con la fuente detenida (L_n).
3. Se calculará la diferencia entre ambas lecturas: ($L_{sn} - L_n$).

C. Procedimiento para medir el nivel sonoro de una fuente emisora bajo condiciones de un ruido de fondo.

1. Medir el nivel de sonido total (L_{s+n}) con la fuente de ruido funcionando, medido según indicado en este Reglamento.
2. Medir L_{10} del nivel de ruido de fondo (L_n) con la fuente apagada, medido según indicado en este Reglamento.
3. Determinar la diferencia entre ambas lecturas ($L_{s+n} - L_n$).
4. Determinar la diferencia entre los niveles de la fuente y el ruido de fondo (L_s).
5. Realizar la corrección correspondiente, según se describe en el siguiente inciso, y comparar dicho nivel corregido con los límites regulatorios correspondientes, según especificados en este Reglamento, a fin de evaluar el cumplimiento con el mismo.

D. Condiciones para calcular la corrección correspondiente a fin de ajustar el nivel de ruido medido en la presencia de ruido de fondo.

1. Si el L_s es menor de 3 dB, el nivel de ruido de fondo es muy alto para una medición precisa del efecto de la fuente sonora.
2. Si el L_s está entre 3 y 10 dB, será necesaria una corrección al nivel de sonido de la fuente.
3. Si el L_s es mayor de 10 dB, no se requiere una corrección al nivel medido de la fuente de ruido.
4. Si el ruido de fondo es despreciable, se puede registrar directamente el nivel de ruido de dicha fuente (L_s) y determinar si cumple o no con el nivel reglamentario.

E. Corrección cuando el ruido de fondo es inferior al límite establecido en este Reglamento.

Cuando el ruido de fondo es inferior al límite establecido en la Tabla I de este Reglamento, es importante realizar la siguiente corrección, de manera que se incluya el efecto del ruido de fondo:

TABLA III
CORRECCIÓN AL NIVEL DE RUIDO DE FONDO

Nivel de ruido de fondo L_n relativo a L_{JCA}	Nivel total permitido
De 0 hasta 3 dB	$L_{JCA} + 3$ dB
Mayor de 3 hasta 6 dB	$L_{JCA} + 2$ dB
Mayor de 6 hasta 10 dB	$L_{JCA} + 1$ dB
Mayor de 10 dB	$L_{JCA} + 0$ dB

REGLA 38 – CONSIDERACIONES GENERALES SOBRE EL LUGAR DE MEDICIÓN

- A. La medición de nivel sonoro se llevará a cabo en un lugar en que su valor sea más alto y, si fuera preciso, en el momento y situación en que las molestias sean más intensas para los afectados o querellantes.
- B. Las mediciones se tomarán en diferentes puntos en el área exterior del predio receptor, típicamente en las colindancias. En caso de edificios o apartamentos, los balcones y ventanas pueden ser utilizados para estos propósitos. Se utilizarán los valores del nivel sonoro registrados en espacios interiores (habitaciones, pasillos, entre otros), cuando no haya otro espacio adecuado para la realización de la medición.
- C. Los dueños de las fuentes emisoras, ubicadas tanto al aire libre como en establecimientos y locales interiores, facilitarán a los técnicos de la JCA el acceso a sus instalaciones o fuente de emisión de ruidos y pondrán en funcionamiento dichas fuentes emisoras a las distintas velocidades, cargas y marchas que les indique el personal técnico de la JCA. El dueño u operador podrá presenciar el proceso operativo en todos sus detalles.

REGLA 39 – PRECAUCIONES EN LA METODOLOGÍA

A fin de reducir los posibles errores de medición, se adoptarán las siguientes precauciones:

- A. Contra el efecto de pantalla: el técnico se situará en el plano normal (perpendicular) al eje del micrófono y lo más separado del mismo que sea posible, en forma compatible con la lectura del indicador de medida del sonómetro.

- B. Contra el efecto de las reflexiones sonoras: para evitar la influencia de ondas estacionarias o reflejadas, se situará el sonómetro, de ser posible, a más de 1.2 metros (4 pies) de cualquier pared o superficie reflectante. Es importante ilustrar, mediante un dibujo o plano, la colocación del sonómetro con relación a dichas superficies.
- C. Contra el efecto del viento: el técnico, cuando estime que la velocidad del viento es superior a 1.5 metros/segundo (3 mph), empleará una pantalla ("windscreen") contra el viento. Para velocidades superiores a 3 metros/segundos (7 mph), se desistirá de la medición.

REGLA 40 – PROCEDIMIENTO PARA LA REALIZACIÓN DE ESTUDIOS SONOROS

- A. Se realizarán estudios detallados en circunstancias especiales donde se requiera una caracterización exhaustiva de una fuente de ruido con características especiales. Cada estudio será diseñado por personal técnico de la JCA tomando en consideración todos los aspectos reglamentarios.
- B. Cuando existan tonos prominentes o ruidos impulsivos, el nivel máximo permitido quedará medido según

$$L_{JCA} = L_{eq} + K_i + K_t,$$

donde

L_{JCA} es el nivel máximo permitido a la fuente por este Reglamento, excluyendo la influencia del ruido de fondo,

L_{eq} es el nivel equivalente de sonido observado,

K_i es la penalización por ruidos impulsivos ($L_{im} - L_{eq}$) y en el que L_{im} es el nivel máximo de presión observado con detección de "impulsos", y

K_t es la penalización por tonos prominentes.

- C. Para la evaluación de ruidos de impulso, se efectuarán mediciones breves de cinco (5) segundos de duración con el sonómetro en el modo de detección de impulsos "I". De este modo, se determinará la diferencia entre el nivel de los impulsos L_{im} y el valor de L_{eq} correspondiente a dicho intervalo. No se tendrán en cuenta valores de K_i iguales o inferiores a 2dB y la penalización máxima será de 5 dB.

REGLA 41 – MÉTODOS ALTERNOS DE MEDICIÓN

Cualquier persona que solicite autorización para utilizar un método analítico o una prueba alterna a lo establecido en este Reglamento, solicitará y demostrará a satisfacción de la JCA, que el método propuesto es igual o superior al establecido en este Reglamento en términos de precisión, exactitud

y sensibilidad de los procedimientos y equipos utilizados. De igual forma, debe demostrar que el equipo a utilizarse ha sido calibrado y que tal calibración se encuentra vigente.

REGLA 42-43- RESERVADAS

PARTE VII: PLANES DE CUMPLIMIENTO, DISPENSAS Y AUTORIZACIONES DE EMERGENCIA

REGLA 44 – PLANES DE CUMPLIMIENTO

A. Aplicabilidad

Los Planes de Cumplimiento son aplicables a fuentes emisoras o predios originadores de sonido que estén en violación de cualquiera de los requisitos de este Reglamento. La aprobación de los mismos no limita la facultad de la JCA para requerir acciones específicas con relación a tales violaciones. Estos planes no son aplicables a la Parte IV de este Reglamento.

B. Prohibición de operar

Ninguna persona podrá construir, operar o permitir la construcción u operación de una fuente emisora de sonido en violación a cualquier requisito de este Reglamento, a menos que el dueño u operador de la fuente de emisión opere conforme a un Plan de Cumplimiento o Dispensa aprobada por la JCA.

C. Requisitos del Plan de Cumplimiento

El Plan de Cumplimiento será presentado ante la Junta de Gobierno de la JCA y cumplirá con los siguientes requisitos:

1. Deberán ser firmados por el dueño u operador de una fuente emisora de sonido o ruido cuando se haya comenzado una acción para la cual se requiera cumplimiento con los requisitos de este Reglamento.
2. Establecerá acciones de progreso para alcanzar las metas específicas y para la instalación de los controles necesarios mediante la construcción y modificación de su fuente emisora, así como la fecha límite en las que serán alcanzadas estas acciones de progreso.

3. Establecerá fechas límites para alcanzar cumplimiento con cada requisito que esté violando. El tiempo final de cumplimiento para el control de la contaminación por ruido que se requiera para llevar a cabo los objetivos del Plan, será el más corto que pueda lograrse, pero en ningún caso, mayor de noventa (90) días laborables.
4. Notificará, mediante informes periódicos a la JCA, su cumplimiento con las acciones de progreso y las metas específicas.

D. Normas para la aprobación de los Planes de Cumplimiento

1. El solicitante demostrará, a satisfacción de la JCA, que el Plan de Cumplimiento:
 - a. no causará incumplimiento con los requisitos de la Ley sobre Política Pública Ambiental, *supra*;
 - b. establecerá pautas para el cumplimiento final de las metas propuestas tan rápidamente como sea factible;
 - c. establecerá pautas para medir las acciones de progreso y el logro de metas temporales que brindan la protección máxima para la salud humana y el ambiente.
2. La JCA actuará sobre el Plan de Cumplimiento propuesto dentro de un término razonable que no deberá exceder de noventa (90) días laborables.

E. Modificación o revocación de la aprobación de un Plan de Cumplimiento

1. La JCA podrá modificar o revocar un Plan de Cumplimiento previamente aprobado cuando se den las siguientes situaciones:
 - a. cuando sea necesario para la protección de la salud humana y el ambiente;
 - b. cuando exista una condición de emergencia;
 - c. cuando se identifique alguna información que altere el razonamiento seguido en la concesión del Plan de Cumplimiento;
 - d. cuando se proponga un cambio significativo en el el Plan de Cumplimiento aprobado; y

e. cuando la JCA así lo determine necesario.

2. Si la JCA decide denegar la solicitud de modificación o revocación, enviará por escrito al peticionario una denegatoria exponiendo las razones de su decisión de acuerdo a lo establecido en la Ley de Procedimiento Administrativo Uniforme, *supra*, y la Ley sobre Política Pública Ambiental, *supra*.

REGLA 45- DISPENSAS

A. Autorización para Dispensas

La Junta de Gobierno de la JCA podrá dispensar del estricto cumplimiento de los requisitos establecidos en este Reglamento únicamente mediante el trámite establecido en esta Regla.

B. Solicitud de Dispensa

Toda solicitud de dispensa presentada ante la Junta de Gobierno de la JCA incluirá lo siguiente:

1. una descripción de la Regla para la cual se solicita dispensa, exponiendo claramente la naturaleza y alcance de lo que se propone;
2. una exposición por escrito de las razones para la petición de aprobación de la dispensa, e incluirá una explicación de por qué no será factible el cumplimiento;
3. un estudio acústico de los niveles de ruido en los límites de la propiedad;
4. una expresión del término por el cual estará solicitando la dispensa;
5. evidencia de la implementación de la mejor tecnología disponible en el mercado para el cumplimiento con los límites establecidos en este Reglamento; y
6. cualquier otra información que la JCA determine necesaria para evaluar dicha solicitud.

C. Normas para conceder dispensas

La solicitud de dispensa será aprobada solamente si el solicitante demuestra a satisfacción de la Junta de Gobierno de la JCA que ha cumplido con los siguientes requisitos:

1. que la implementación de la mejor tecnología disponible no es suficiente para cumplir con las disposiciones de este Reglamento;
2. que la dispensa no causará impacto adverso significativo sobre la salud humana o el ambiente; y
3. que existen circunstancias especiales que justifiquen la concesión de la dispensa.

D. Acción sobre la solicitud de Dispensa

1. La Junta de Gobierno de la JCA, *motu proprio* o a solicitud de parte debidamente fundamentada, podrá, discrecionalmente, celebrar una vista administrativa previo al otorgamiento de una dispensa, según los requisitos que para ello se disponen en este Reglamento.
2. La Junta de Gobierno de la JCA notificará por escrito al solicitante de la dispensa o la solicitud de vista, si la misma fue concedida o denegada.
3. En la notificación sobre la dispensa de la que habla el inciso anterior, la Junta de Gobierno de la JCA expondrá las razones que tuvo para la acción tomada.

E. Condiciones para la Concesión de Dispensas

Al conceder una dispensa, la Junta de Gobierno de la JCA podrá imponer las condiciones que considere necesarias para la protección de la salud, seguridad y bienestar público.

F. Periodo de Vigencia

1. Una dispensa se mantendrá en vigor por el periodo de tiempo que determine la Junta de Gobierno de la JCA, el cual no podrá exceder de cuatro (4) años. Para gestionar la renovación o extensión de la misma, el dueño u operador del predio originador de sonido deberá radicar una solicitud a tales efectos con por lo menos noventa (90) días de anticipación a la fecha en que la dispensa original expire.
2. Cualquier solicitud de renovación o extensión deberá ser presentada durante el término concedido. Posterior a esa fecha, el solicitante tendrá que presentar una nueva solicitud de dispensa de conformidad con este Reglamento. Dicha renovación, extensión o nueva dispensa no podrá exceder de doce (12) meses de vigencia.

3. A partir de la fecha en que se radique la solicitud de dispensa, renovación o extensión de una dispensa, la Junta de Gobierno de la JCA deberá actuar sobre la misma, de acuerdo a las reglas y reglamentos vigentes.

REGLA 46 – AVISOS PÚBLICOS Y VISTAS PÚBLICAS PARA EL TRÁMITE DE LAS DISPENSAS

A. Avisos Públicos

1. Todo aviso público relacionado con un asunto pendiente ante la JCA bajo este Reglamento, especificará la fecha, hora y lugar donde los documentos estarán disponibles para inspección pública. Estos documentos incluirán cualquier determinación preliminar de la JCA.
2. Todo aviso público indicará el periodo de tiempo durante el que las personas interesadas podrán someter comentarios escritos o solicitar, de forma fundamentada, vistas públicas. El aviso especificará la fecha, hora y el lugar de cada vista pública, así como horario de duración de la vista y término de espera para declararla desierta de no comparecer público.
3. Todo aviso público será publicado por lo menos treinta (30) días antes de que la JCA tome cualquier determinación final con respecto a cualquier asunto pendiente ante su consideración, a menos que por una situación de emergencia la JCA determine que, en el mejor interés público, sea necesario que se haga una determinación final en un periodo de tiempo más corto.
4. El aviso público podrá publicarse en un (1) periódico de circulación general en Puerto Rico o por cualquier otro método que disponga la Junta de Gobierno de la JCA. En los casos en que los avisos públicos sean para considerar una solicitud de dispensa y/o autorización ante la JCA, el solicitante de la misma sufragará cualquier costo relacionado a su publicación, previo a que sea publicado.
5. La JCA podrá publicar avisos adicionales o avisos de cualquier otra índole en la forma que considere apropiada.

B. Vistas Públicas

1. La JCA podrá celebrar, a su discreción, una vista pública sobre el otorgamiento de una dispensa o cualquier otro asunto pendiente ante ella, mediante solicitud debidamente fundamentada por cualquier persona interesada o cuando la JCA determine que la celebración de

una vista pública ayudará a evaluar la situación ante su consideración. La JCA no celebrará vistas públicas sin publicar un aviso notificando la celebración de la misma. Para determinar si se concede la celebración de vistas públicas, la Junta de Gobierno de la JCA tomará en consideración los siguientes factores:

- a. la magnitud y naturaleza de la solicitud y la cuantía de la inversión necesaria;
 - b. el grado de interés de parte del público en la acción a llevarse a cabo; y
 - c. el grado de interés de parte de la JCA y de otras agencias gubernamentales en la acción a llevarse a cabo, entre otros factores relevantes.
2. La Junta de Gobierno de la JCA podrá presidir la vista pública por sí o a través de un panel examinador.
 3. La vista pública deberá iniciarse a la hora indicada en el aviso público y de no haber presente ninguna persona interesada en deponer en la misma, ésta podrá darse por culminada luego de una (1) hora de la hora indicada en el aviso público. El horario de duración de la vista estará incluido en el aviso público.
 4. El registro de deponentes de la vista pública estará disponible para inspección del público en general.

C. Los comentarios recibidos

Todos los comentarios recibidos durante el periodo de participación pública serán evaluados por la JCA al momento de tomar una determinación final sobre el asunto en cuestión, según la Ley sobre Política Pública Ambiental, *supra*, y Ley de Procedimiento Administrativo Uniforme, *supra*.

D. Decisión final

Luego de celebrada una vista pública, la Junta de Gobierno de la JCA preparará una resolución que detalle su decisión final. Esta resolución deberá cumplir con los requisitos de notificación, según dispuestos en la Ley sobre Política Pública Ambiental, *supra*, y Ley de Procedimiento Administrativo Uniforme, *supra*, así como en cualquier otra legislación aplicable.

REGLA 47 – REVOCACIÓN DE PLAN DE CUMPLIMIENTO, DISPENSAS O AUTORIZACIONES

La JCA podrá decretar el cese de operaciones o revocar un Plan de Cumplimiento o dispensa que haya sido encontrado en violación de este Reglamento o de las condiciones del mismo, de acuerdo a la Ley sobre Política Pública Ambiental, *supra*, la Ley de Procedimiento Administrativo Uniforme, *supra*, y el Reglamento de Procedimiento de Vistas Administrativas, *supra*. La Orden de Cese será efectiva hasta tanto la fuente emisora se encuentre en cumplimiento con este Reglamento y así lo disponga la JCA mediante Resolución al respecto en la que ordene el dejar sin efecto dicha Orden o así lo ordene un tribunal con jurisdicción y competencia.

REGLA 48 – AUTORIZACIÓN DE EMERGENCIA

A. Autorización en caso de emergencia

1. Si la Junta de Gobierno de la JCA encuentra que existe un peligro significativo e inminente para la salud humana o el ambiente, podrá expedir una autorización de emergencia para personas o fuentes emisoras no autorizadas.
2. Estas autorizaciones podrán incluir dispensas a reglas específicas de este Reglamento, según se establece en la Regla sobre dispensas.

B. Disposiciones para autorizaciones de emergencias

Las autorizaciones para casos de emergencias cumplirán con los siguientes requisitos:

1. Según las circunstancias, éstas podrán ser verbales o escritas. Si la autorización es verbal, inmediatamente deberá producirse una autorización escrita, la cual se expedirá dentro de un término de cinco (5) días después de concedida la autorización verbal.
2. No tendrán una duración mayor de noventa (90) días.
3. Especificarán claramente la fuente emisora.
4. Incorporarán, hasta el máximo factible que no sea inconsistente con la situación de emergencia, todos los requisitos de este Reglamento.
5. Podrán ser revocadas por la Junta de Gobierno de la JCA en cualquier momento, si se determina que dicha revocación es necesaria para

proteger la salud humana o el ambiente.

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

A tenor y de acuerdo con la Ley sobre Política Pública Ambiental, Ley Núm. 416 de 22 de septiembre de 2004, según enmendada, ha sido enmendado por la **Resolución R-11-7-1** de la Junta de Gobierno de la Junta de Calidad Ambiental el

REGLAMENTO PARA EL CONTROL DE LA CONTAMINACIÓN POR RUIDOS

Estas enmiendas al Reglamento establecen las normas y requisitos para el control, disminución o eliminación de ruidos que puedan resultar nocivos a la salud y perturbar el bienestar público. Establece, además, los requisitos para los niveles de emisiones de ruido entre zonas, así como la administración y procedimientos relacionados con la valoración de los niveles sonoros.

Aprobado: 5 de mayo de 2011


En virtud de la Sección 2.8 de la Ley Núm. 170 de 12 de agosto de 1988, según enmendada, conocida como Ley de Procedimiento Administrativo Uniforme, (3 L.P.R.A. sección 2128), este Reglamento entra en vigencia a los treinta (30) días a partir de su radicación en el Departamento de Estado,



Sr. Reynaldo Matos Jiménez
Miembro Asociado



Lcda. Blanche Gonzalez Hodge
Miembro Asociado



Lcdo. Pedro J. Nieves Miranda
Presidente

ELECTRONIC CODE OF FEDERAL REGULATIONS

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Title 24: Housing and Urban Development

PART 51—ENVIRONMENTAL CRITERIA AND STANDARDS

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AUTHORITY: 42 U.S.C. 3535(d), unless otherwise noted.

SOURCE: 44 FR 40861, July 12, 1979, unless otherwise noted.

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Subpart A—General Provisions

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§51.1 Purpose.

The Department of Housing and Urban Development is providing program Assistant Secretaries and administrators and field offices with environmental standards, criteria and guidelines for determining project acceptability and necessary mitigating measures to insure that activities assisted by the Department achieve the goal of a suitable living environment.

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§51.2 Authority.

This part implements the Department's responsibilities under: The National Housing Act (12 U.S.C. 1701 *et seq.*); sec. 2 of the Housing Act of 1949 (42 U.S.C. 1441); secs. 2 and 7(d) of the Department of Housing and Urban Development Act (42 U.S.C. 3531 and 3535(d)); the National Environmental Policy Act of 1969 (42 U.S.C. 4321); and the other statutes that are referred to in this part.

[61 FR 13333, Mar. 26, 1996]

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§51.3 Responsibilities.

The Assistant Secretary for Community Planning and Development is responsible for administering HUD's environmental criteria and standards as set forth in this part. The Assistant Secretary for Community Planning and Development may be assisted by HUD officials in implementing the responsibilities established by this part. HUD will identify these HUD officials and their specific responsibilities through FEDERAL REGISTER notice.

[61 FR 13333, Mar. 26, 1996]

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§51.4 Program coverage.

Environmental standards shall apply to all HUD actions except where special provisions and exemptions are contained in each subpart.

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Subpart B—Noise Abatement and Control

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§51.100 Purpose and authority.

(a) It is the purpose of this subpart B to:

(1) Call attention to the threat of noise pollution;

(2) Encourage the control of noise at its source in cooperation with other Federal departments and agencies;

(3) Encourage land use patterns for housing and other noise sensitive urban needs that will provide a suitable separation between them and major noise sources;

(4) Generally prohibit HUD support for new construction of noise sensitive uses on sites having unacceptable noise exposure;

(5) Provide policy on the use of structural and other noise attenuation measures where needed; and

(6) Provide policy to guide implementation of various HUD programs.

(b) *Authority.* Specific authorities for noise abatement and control are contained in the Noise Control Act of 1972, as amended (42 U.S.C. 4901 *et seq.*); and the General Services Administration, Federal Management Circular 75-2; *Compatible Land Uses at Federal Airfields*.

[44 FR 40861, July 12, 1979, as amended at 61 FR 13333, Mar. 26, 1996]

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§51.101 General policy.

(a) It is HUD's general policy to provide minimum national standards applicable to HUD programs to protect citizens against excessive noise in their communities and places of residence.

(1) *Planning assistance.* HUD requires that grantees give adequate consideration to noise exposures and sources of noise as an integral part of the urban environment when HUD assistance is provided for planning purposes, as follows:

(i) Particular emphasis shall be placed on the importance of compatible land use planning in relation to airports, highways and other sources of high noise.

(ii) Applicants shall take into consideration HUD environmental standards impacting the use of land.

(2) *Activities subject to 24 CFR part 58.* (i) Responsible entities under 24 CFR part 58 must take into consideration the noise criteria and standards in the environmental review process and consider ameliorative actions when noise sensitive land development is proposed in noise exposed areas. Responsible entities shall address deviations from the standards in their environmental reviews as required in 24 CFR part 58.

(ii) Where activities are planned in a noisy area, and HUD assistance is contemplated later for housing and/or other noise sensitive activities, the responsible entity risks denial of the HUD assistance unless the HUD standards are met.

(3) *HUD support for new construction.* HUD assistance for the construction of new noise sensitive uses is prohibited generally for projects with unacceptable noise exposures and is discouraged for projects with normally unacceptable noise exposure. (Standards of acceptability are contained in §51.103(c).) This policy applies to all HUD programs providing assistance, subsidy or insurance for housing, manufactured home parks, nursing homes, hospitals, and all programs providing assistance or insurance for land development, redevelopment or any other provision of facilities and services which are directed to making land available for housing or noise sensitive development. The policy does not apply to research demonstration projects which do not result in new construction or reconstruction, flood insurance, interstate land sales registration, or any action or emergency assistance under disaster assistance provisions or appropriations which are provided to save lives, protect property, protect public health and safety, remove debris and wreckage, or assistance that has the effect of restoring facilities substantially as they existed prior to the disaster.

(4) *HUD support for existing construction.* Noise exposure by itself will not result in the denial of HUD support for the resale and purchase of otherwise acceptable existing buildings. However, environmental noise is a marketability factor which HUD will consider in determining the amount of insurance or other assistance that may be given.

(5) *HUD support of modernization and rehabilitation.* For modernization projects located in all noise exposed areas, HUD shall encourage noise attenuation features in alterations. For major or substantial rehabilitation projects in the Normally Unacceptable and Unacceptable noise zones, HUD actively shall seek to have project sponsors incorporate noise attenuation features, given the extent and nature of the rehabilitation being undertaken and the level or exterior noise exposure. In Unacceptable noise zones, HUD shall strongly encourage conversion of noise-exposed sites to land uses compatible with the high noise levels.

(6) *Research, guidance and publications.* HUD shall maintain a continuing program designed to provide new knowledge of noise abatement and control to public and private bodies, to develop improved methods for anticipating noise encroachment, to develop noise abatement measures through land use and building construction practices, and to foster better understanding of the consequences of noise. It shall be HUD's policy to issue guidance documents periodically to assist HUD personnel in assigning an acceptability category to projects in accordance with noise exposure standards, in evaluating noise attenuation measures, and in advising local agencies about noise abatement strategies. The guidance documents shall be updated periodically in accordance with advances in the state-of-the-art.

(7) *Construction equipment, building equipment and appliances.* HUD shall encourage the use of quieter construction equipment and methods in population centers, the use of quieter equipment and appliances in buildings, and the use of appropriate noise abatement techniques in the design of residential structures with potential noise problems.

(8) *Exterior noise goals.* It is a HUD goal that exterior noise levels do not exceed a day-night average sound level of 55 decibels. This level is recommended by the Environmental Protection Agency as a goal for outdoors in residential areas. The levels recommended by EPA are not standards and do not take into account cost or feasibility. For the purposes of this regulation and to meet other program objectives, sites with a day-night average sound level of 65 and below are acceptable and are allowable (see Standards in §51.103(c)).

(9) *Interior noise goals.* It is a HUD goal that the interior auditory environment shall not exceed a day-night average sound level of 45 decibels. Attenuation measures to meet these interior goals shall be employed where feasible. Emphasis shall be given to noise sensitive interior spaces such as bedrooms. Minimum attenuation requirements are prescribed in §51.104(a).

(10) *Acoustical privacy in multifamily buildings.* HUD shall require the use of building design and acoustical treatment to afford acoustical privacy in multifamily buildings pursuant to requirements of the Minimum Property Standards.

[44 FR 40861, July 12, 1979, as amended at 50 FR 9268, Mar. 7, 1985; 61 FR 13333, Mar. 26, 1996]

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§51.102 Responsibilities.

(a) *Surveillance of noise problem areas.* Appropriate field staff shall maintain surveillance of potential noise problem areas and advise local officials, developers, and planning groups of the unacceptability of sites because of noise exposure at the earliest possible time in the decision process. Every attempt shall be made to insure that applicants' site choices are consistent with the policy and standards contained herein.

(b) *Notice to applicants.* At the earliest possible stage, HUD program staff shall:

(1) Determine the suitability of the acoustical environment of proposed projects;

(2) Notify applicants of any adverse or questionable situations; and

(3) Assure that prospective applicants are apprised of the standards contained herein so that future site choices will be consistent with these standards.

(c) *Interdepartmental coordination.* HUD shall foster appropriate coordination between field offices and other departments and agencies, particularly the Environmental Protection Agency, the Department of Transportation, Department of Defense representatives, and the Department of Veterans Affairs. HUD staff shall utilize the acceptability standards in commenting on the prospective impacts of transportation facilities and other noise generators in the Environmental Impact Statement review process.

[44 FR 40861, July 12, 1979, as amended at 54 FR 39525, Sept. 27, 1989; 61 FR 13333, Mar. 26, 1996]

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§51.103 Criteria and standards.

These standards apply to all programs as indicated in §51.101.

(a) *Measure of external noise environments.* The magnitude of the external noise environment at a site is determined by the value of the day-night average sound level produced as the result of the accumulation of noise from all sources contributing to the external noise environment at the site. Day-night average sound level, abbreviated as DNL and symbolized as L_{dn} , is the 24-hour average sound level, in decibels, obtained after addition of 10 decibels to sound levels in the night from 10 p.m. to 7 a.m. Mathematical expressions for average sound level and day-night average sound level are stated in the Appendix I to this subpart.

(b) *Loud impulsive sounds.* On an interim basis, when loud impulsive sounds, such as explosions or sonic booms, are experienced at a site, the day-night average sound level produced by the loud impulsive sounds alone shall have 8 decibels added to it in assessing the acceptability of the site (see appendix I to this subpart). Alternatively, the C-weighted day-night average sound level (L_{Cdn}) may be used without the 8 decibel addition, as indicated in §51.106(a)(3). Methods for assessing the contribution of loud impulsive sounds to day-night average sound level at a site and mathematical expressions for determining whether a sound is classed as "loud impulsive" are provided in the appendix I to this subpart.

(c) *Exterior standards.* (1) The degree of acceptability of the noise environment at a site is determined by the sound levels external to buildings or other facilities containing noise sensitive uses. The standards shall usually apply at a location 2 meters (6.5 feet) from the building housing noise sensitive activities in the direction of the predominant noise source. Where the building location is undetermined, the standards shall apply 2 meters (6.5 feet) from the building setback line nearest to the predominant noise source. The standards shall also apply at other locations where it is determined that quiet outdoor space is required in an area ancillary to the principal use on the site.

(2) The noise environment inside a building is considered acceptable if: (i) The noise environment external to the building complies with these standards, and (ii) the building is constructed in a manner common to the area or, if of uncommon construction, has at least the equivalent noise attenuation characteristics.

SITE ACCEPTABILITY STANDARDS

	Day-night average sound level (in decibels)	Special approvals and requirements
Acceptable	Not exceeding 65 dB(1)	None.
Normally Unacceptable	Above 65 dB but not exceeding 75 dB	Special Approvals (2)
		Environmental Review (3).

		Attenuation (4).
Unacceptable	Above 75 dB	Special Approvals (2).
		Environmental Review (3).
		Attenuation (5).

Notes: (1) Acceptable threshold may be shifted to 70 dB in special circumstances pursuant to §51.105(a).

(2) See §51.104(b) for requirements.

(3) See §51.104(b) for requirements.

(4) 5 dB additional attenuation required for sites above 65 dB but not exceeding 70 dB and 10 dB additional attenuation required for sites above 70 dB but not exceeding 75 dB. (See §51.104(a).)

(5) Attenuation measures to be submitted to the Assistant Secretary for CPD for approval on a case-by-case basis.

[44 FR 40861, July 12, 1979, as amended at 49 FR 12214, Mar. 29, 1984]

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§51.104 Special requirements.

(a)(1) *Noise attenuation.* Noise attenuation measures are those required in addition to attenuation provided by buildings as commonly constructed in the area, and requiring open windows for ventilation. Measures that reduce external noise at a site shall be used wherever practicable in preference to the incorporation of additional noise attenuation in buildings. Building designs and construction techniques that provide more noise attenuation than typical construction may be employed also to meet the noise attenuation requirements.

(2) *Normally unacceptable noise zones and unacceptable noise zones.* Approvals in Normally Unacceptable Noise Zones require a minimum of 5 decibels additional sound attenuation for buildings having noise-sensitive uses if the day-night average sound level is greater than 65 decibels but does not exceed 70 decibels, or a minimum of 10 decibels of additional sound attenuation if the day-night average sound level is greater than 70 decibels but does not exceed 75 decibels. Noise attenuation measures in Unacceptable Noise Zones require the approval of the Assistant Secretary for Community Planning and Development, or the Certifying Officer for activities subject to 24 CFR part 58. (See §51.104(b)(2).)

(b) *Environmental review requirements.* Environmental reviews shall be conducted pursuant to the requirements of 24 CFR parts 50 and 58, as applicable, or other environmental regulations issued by the Department. These requirements are hereby modified for all projects proposed in the Normally Unacceptable and Unacceptable noise exposure zones as follows:

(1) *Normally unacceptable noise zone.* (i) All projects located in the Normally Unacceptable Noise Zone require a Special Environmental Clearance except an EIS is required for a proposed project located in a largely undeveloped area, or where the HUD action is likely to encourage the establishment of incompatible land use in this noise zone.

(ii) When an EIS is required, the concurrence of the Program Assistant Secretary is also required before a project can be approved. For the purposes of this paragraph, an area will be considered as largely undeveloped unless the area within a 2-mile radius of the project boundary is more than 50 percent developed for urban uses and infrastructure (particularly water and sewers) is available and has capacity to serve the project.

(iii) All other projects in the Normally Unacceptable zone require a Special Environmental Clearance, except where an EIS is required for other reasons pursuant to HUD environmental policies.

(2) *Unacceptable noise zone.* An EIS is required prior to the approval of projects with unacceptable noise exposure. Projects in or partially in an Unacceptable Noise Zone shall be submitted to the Assistant Secretary for Community Planning and Development, or the Certifying Officer for activities subject to 24 CFR part 58, for approval. The Assistant Secretary or the Certifying Officer may waive the EIS requirement in cases where noise is the only environmental issue and no outdoor noise sensitive activity will take place on the site. In such cases, an environmental review shall be made pursuant to the requirements of 24 CFR parts 50 or 58, as appropriate.

[44 FR 40861, July 12, 1979, as amended at 61 FR 13333, Mar. 26, 1996]

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§51.105 Exceptions.

(a) *Flexibility for non-acoustic benefits.* Where it is determined that program objectives cannot be achieved on sites meeting the acceptability standard of 65 decibels, the Acceptable Zone may be shifted to L_{dn} 70 on a case-by-case basis if all the following conditions are satisfied:

(1) The project does not require an Environmental Impact Statement under provisions of §51.104 (b)(1) and noise is the only environmental issue.

(2) The project has received a Special Environmental Clearance and has received the concurrence of the Environmental Clearance Officer.

(3) The project meets other program goals to provide housing in proximity to employment, public facilities and transportation.

(4) The project is in conformance with local goals and maintains the character of the neighborhood.

(5) The project sponsor has set forth reasons, acceptable to HUD, as to why the noise attenuation measures that would normally be required for new construction in the L_{dn} 65 to L_{dn} 70 zone cannot be met.

(6) Other sites which are not exposed to noise above L_{dn} 65 and which meet program objectives are generally not available.

The above factors shall be documented and made part of the project file.

[44 FR 40861, July 12, 1979, as amended at 61 FR 13334, Mar. 26, 1996]

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§51.106 Implementation.

(a) *Use of available data.* HUD field staff shall make maximum use of noise data prepared by others when such data are determined to be current and adequately projected into the future and are in terms of the following:

(1) *Sites in the vicinity of airports.* The noise environment around airports is described sometimes in terms of Noise Exposure Forecasts, abbreviated as NEF or, in the State of California, as Community Noise Equivalent Level, abbreviated as CNEL. The noise environment for sites in the vicinity of airports for which day-night average sound level data are not available may be evaluated from NEF or CNEL analyses using the following conversions to DNL:

$DNL \approx NEF + 35$

$DNL \approx CNEL$

(2) *Sites in the vicinity of highways.* Highway projects receiving Federal aid are subject to noise analyses under the procedures of the Federal Highway Administration. Where such analyses are available they may be used to assess sites subject to the requirements of this standard. The Federal Highway Administration employs two alternate sound level descriptors: (i) The A-weighted sound level not exceeded more than 10 percent of the time for the highway design hour traffic flow, symbolized as L_{10} ; or (ii) the equivalent sound level for the design hour, symbolized as L_{eq} . The day-night average sound level may be estimated from the design hour L_{10} or L_{eq} values by the following relationships, provided heavy trucks do not exceed 10 percent of the total traffic flow in vehicles per 24 hours and the traffic flow between 10 p.m. and 7 a.m. does not exceed 15 percent of the average daily traffic flow in vehicles per 24 hours:

$DNL \approx L_{10} \text{ (design hour)} - 3 \text{ decibels}$

$DNL \approx L_{eq} \text{ (design hour) decibels}$

Where the auto/truck mix and time of day relationships as stated in this section do not exist, the HUD Noise Assessment Guidelines or other noise analysis shall be used.

(3) *Sites in the vicinity of installations producing loud impulsive sounds.* Certain Department of Defense installations produce loud impulsive sounds from artillery firing and bombing practice ranges. Noise analyses for these facilities sometimes encompass sites that may be subject to the requirements of this standard. Where such analyses are available they may be used on an interim basis to establish the acceptability of sites under this standard. The Department of Defense uses day-night average sound level based on C-weighted sound level, symbolized L_{Cdn} , for the analysis of loud impulsive sounds. Where such analyses are provided, the 8 decibel addition specified in §51.103(b), is not required, and the same numerical values of day-night average sound level used on an interim basis to determine site suitability for non-impulsive sounds apply to the L_{Cdn} .

(4) *Use of areawide acoustical data.* HUD encourages the preparation and use of areawide acoustical information, such as noise contours for airports. Where such new or revised contours become available for airports (civil or military) and military installations they shall first be referred to the HUD State Office (Environmental Officer) for review, evaluation and decision on appropriateness for use by HUD. The HUD State Office shall submit revised contours to the Assistant Secretary for Community Planning and Development for review, evaluation and decision whenever the area affected is changed by 20 percent or more, or whenever it is determined that the new contours will have a significant effect on HUD programs, or whenever the contours are not provided in a methodology acceptable under §51.106(a)(1) or in other cases where the HUD State Office determines that Headquarters review is warranted. For other areawide acoustical data, review is required only where existing areawide data are being utilized and where such data have been changed to reflect changes in the measurement methodology or underlying noise source assumptions. Requests for determination on usage of new or revised areawide data shall include the following:

(i) Maps showing old, if applicable, and new noise contours, along with brief description of data source and methodology.

(ii) Impact on existing and prospective urbanized areas and on development activity.

(iii) Impact on HUD-assisted projects currently in processing.

(iv) Impact on future HUD program activity. Where a field office has determined that immediate approval of new areawide data is necessary and warranted in limited geographic areas, the request for approval should state the circumstances warranting such approval. Actions on proposed projects shall not be undertaken while new areawide noise data are being considered for HUD use except where the proposed location is affected in the same manner under both the old and new noise data.

(b) *Site assessments.* Compliance with the standards contained in §51.103(c) shall, where necessary, be determined using noise assessment guidelines, handbooks, technical documents and procedures issued by the Department.

(c) *Variations in site noise levels.* In many instances the noise environment will vary across a site, with portions of the site being in an Acceptable noise environment and other portions in a Normally Unacceptable noise environment. The standards in §51.103(c) shall apply to the portions of a building or buildings used for residential purposes and for ancillary noise sensitive open spaces.

(d) *Noise measurements.* Where noise assessments result in a finding that the site is borderline or questionable, or is controversial, noise measurements may be performed. Where it is determined that noise measurements are required, such measurements will be conducted in accordance with methods and measurement criteria established by the Department. Locations for noise measurements will depend on the location of noise sensitive uses that are nearest to the predominant noise source (see §51.103(c)).

(e) *Projections of noise exposure.* In addition to assessing existing exposure, future conditions should be projected. To the extent possible, noise exposure shall be projected to be representative of conditions that are expected to exist at a time at least 10 years beyond the date of the project or action under review.

(f) *Reduction of site noise by use of berms and/or barriers.* If it is determined by adequate analysis that a berm and/or barrier will reduce noise at a housing site, and if the barrier is existing or there are assurances that it will be in place prior to occupancy, the environmental noise analysis for the site may reflect the benefits afforded by the berm and/or barrier. In the environmental review process under §51.104(b), the location height and design of the berm and/or barrier shall be evaluated to determine its effectiveness, and impact on design and aesthetic quality, circulation and other environmental factors.

[44 FR 40861, July 12, 1979, as amended at 61 FR 13334, Mar. 26, 1996]

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Appendix I to Subpart B of Part 51—Definition of Acoustical Quantities

1. *Sound Level.* The quantity in decibels measured with an instrument satisfying requirements of American National Standard Specification for Type 1 Sound Level Meters S1.4-1971. Fast time-averaging and A-frequency weighting are to be used, unless others are specified. The sound level meter with the A-weighting is progressively less sensitive to sounds of frequency below 1,000 hertz (cycles per second), somewhat as is the ear. With fast time averaging the sound level meter responds particularly to recent sounds almost as quickly as does the ear in judging the loudness of a sound.

2. *Average Sound Level.* Average sound level, in decibels, is the level of the mean-square A-weighted sound pressure during the stated time period, with reference to the square of the standard reference sound pressure of 20 micropascals.

Day-night average sound level, abbreviated as DNL, and symbolized mathematically as L_{dn} is defined as:

$$L_{dn} = 10 \log_{10} \left\{ \frac{1}{86400} \left(\int_{0000}^{0000} [L_A(t) + 10]/10 \, dt + \int_{0000}^{0000} L_A(t)/10 \, dt + \int_{0000}^{0000} [L_A(t) + 10]/10 \, dt \right) \right\}$$

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Time t is in seconds, so the limits shown in hours and minutes are actually interpreted in seconds. $L_A(t)$ is the time varying value of A-weighted sound level, the quantity in decibels measured by an instrument satisfying requirements of American National Standard Specification for Type 1 Sound Level Meters S1.4-1971.

3. *Loud Impulsive Sounds.* When loud impulsive sounds such as sonic booms or explosions are anticipated contributors to the noise environment at a site, the contribution to day-night average sound level produced by the loud impulsive sounds shall have 8 decibels added to it in assessing the acceptability of a site.

A loud impulsive sound is defined for the purpose of this regulation as one for which:

- (i) The sound is definable as a discrete event wherein the sound level increases to a maximum and then decreases in a total time interval of approximately one second or less to the ambient background level that exists without the sound; and
- (ii) The maximum sound level (obtained with slow averaging time and A-weighting of a Type 1 sound level meter whose characteristics comply with ANSI S1.4-1971) exceeds the sound level prior to the onset of the event by at least 6 decibels; and
- (iii) The maximum sound level obtained with fast averaging time of a sound level meter exceeds the maximum value obtained with slow averaging time by at least 4 decibels.

[44 FR 40861, July 12, 1979; 49 FR 10253, Mar. 20, 1984; 49 FR 12214, Mar. 29, 1984]

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Subpart C—Siting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature

AUTHORITY: 42 U.S.C. 3535(d).

SOURCE: 49 FR 5103, Feb. 10, 1984, unless otherwise noted.

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§51.200 Purpose.

The purpose of this subpart C is to:

- (a) Establish safety standards which can be used as a basis for calculating acceptable separation distances (ASD) for HUD-assisted projects from specific, stationary, hazardous operations which store, handle, or process hazardous substances;
- (b) Alert those responsible for the siting of HUD-assisted projects to the inherent potential dangers when such projects are located in the vicinity of such hazardous operations;
- (c) Provide guidance for identifying those hazardous operations which are most prevalent;
- (d) Provide the technical guidance required to evaluate the degree of danger anticipated from explosion and thermal radiation (fire); and
- (e) Provide technical guidance required to determine acceptable separation distances from such hazards.

[49 FR 5103, Feb. 10, 1984, as amended at 61 FR 13334, Mar. 26, 1996]

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§51.201 Definitions.

The terms *Department* and *Secretary* are defined in 24 CFR part 5.

Acceptable separation distance (ASD)—means the distance beyond which the explosion or combustion of a hazard is not likely to cause structures or individuals to be subjected to blast overpressure or thermal radiation flux levels in excess of the safety standards in §51.203. The ASD is determined by applying the safety standards established by this subpart C to the guidance set forth in HUD Guidebook, "Siting of HUD-Assisted Projects Near Hazardous Facilities."

Blast overpressure—means the pressure, in pounds per square inch, in excess of normal atmospheric pressure on the surrounding medium caused by an explosion.

Danger zone—means the land area circumscribed by the radius which delineates the ASD of a given hazard.

Hazard—means any stationary container which stores, handles or processes hazardous substances of an explosive or fire prone nature. The term "hazard" does not include pipelines for the transmission of hazardous substances, if such pipelines are located underground or comply with applicable Federal, State and local safety standards. Also excepted are: (1) Containers with a capacity of 100 gallons or less when they contain common liquid industrial fuels, such as gasoline, fuel oil, kerosene and crude oil since they generally would pose no danger in terms of thermal radiation of blast overpressure to a project; and (2) facilities which are shielded from a proposed HUD-assisted project by the topography, because these topographic features effectively provide a mitigating measure already in place.

Hazardous substances—means petroleum products (petrochemicals) and chemicals that can produce blast overpressure or thermal radiation levels in excess of the standards set forth in §51.203. A specific list of hazardous substance is found in appendix I to this subpart.

HUD-assisted project—the development, construction, rehabilitation, modernization or conversion with HUD subsidy, grant assistance, loan, loan guarantee, or mortgage insurance, of any project which is intended for residential, institutional, recreational, commercial or industrial use. For purposes of this subpart the terms "rehabilitation" and "modernization" refer only to such repairs and renovation of a building or buildings as will result in an increased number of people being exposed to hazardous operations by increasing residential densities, converting the type of use of a building to habitation, or making a vacant building habitable.

Thermal radiation level—means the emission and propagation of heat energy through space or a material medium, expressed in BTU per square foot per hour (BTU/ft.² hr.).

[49 FR 5103, Feb. 10, 1984, as amended at 61 FR 5204, Feb. 9, 1996; 61 FR 13334, Mar. 26, 1996]

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§51.202 Approval of HUD-assisted projects.

(a) The Department will not approve an application for assistance for a proposed project located at less than the acceptable separation distance from a hazard, as defined in §51.201, unless appropriate mitigating measures, as defined in §51.205, are implemented, or unless mitigating measures are already in place.

(b) In the case of all applications for proposed HUD-assisted projects, the Department shall evaluate projected development plans in the vicinity of these projects to determine whether there are plans to install a hazardous operation in close proximity to the proposed project. If the evaluation shows that such a plan exists, the Department shall not approve assistance for the project unless the Department obtains satisfactory assurances that adequate mitigating measures will be taken when the hazardous operation is installed.

[49 FR 5103, Feb. 10, 1984, as amended at 61 FR 13334, Mar. 26, 1996]

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§51.203 Safety standards.

The following standards shall be used in determining the acceptable separation distance of a proposed HUD-assisted project from a hazard:

(a) *Thermal Radiation Safety Standard.* Projects shall be located so that:

(1) The allowable thermal radiation flux level at the building shall not exceed 10,000 BTU/sq. ft. per hr.;

(2) The allowable thermal radiation flux level for outdoor, unprotected facilities or areas of congregation shall not exceed 450 BTU/sq. ft. per hour.

(b) *Blast Overpressure Safety Standard.* Projects shall be located so that the maximum allowable blast overpressure at both buildings and outdoor, unprotected facilities or areas shall not exceed 0.5 psi.

(c) If a hazardous substance constitutes both a thermal radiation and blast overpressure hazard, the ASD for each hazard shall be calculated, and the larger of the two ASDs shall be used to determine compliance with this subpart.

(d) Background information on the standards and the logarithmic thermal radiation and blast overpressure charts that provide assistance in determining acceptable separation distances are contained in appendix II to this subpart C.

[49 FR 5103, Feb. 10, 1984, as amended at 61 FR 13334, Mar. 26, 1996]

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§51.204 HUD-assisted hazardous facilities.

In reviewing applications for proposed HUD-assisted projects involving the installation of hazardous facilities, the Department shall ensure that such hazardous facilities are located at an acceptable separation distance from residences and from any other facility or area where people may congregate or be present. The mitigating measures listed in §51.205 may be taken into account in determining compliance with this section.

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§51.205 Mitigating measures.

Application of the standards for determining an Acceptable Separation Distance (ASD) for a HUD-assisted project from a potential hazard of an explosion or fire prone nature is predicated on level topography with no intervening object(s) between the hazard and the project. Application of the standards can be eliminated or modified if:

(a) The nature of the topography shields the proposed project from the hazard.

(b) An existing permanent fire resistant structure of adequate size and strength will shield the proposed project from the hazard.

(c) A barrier is constructed surrounding the hazard, at the site of the project, or in between the potential hazard and the proposed project.

(d) The structure and outdoor areas used by people are designed to withstand blast overpressure and thermal radiation anticipated from the potential hazard (e.g., the project is of masonry and steel or reinforced concrete and steel construction).

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§51.206 Implementation.

This subpart C shall be implemented for each proposed HUD-assisted project by the HUD approving official or responsible entity responsible for review of the project. The implementation procedure will be part of the environmental review process in accordance with the procedures set forth in 24 CFR parts 50 and 58.

[61 FR 13334, Mar. 26, 1996]

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§51.207 Special circumstances.

The Secretary or the Secretary's designee may, on a case-by-case basis, when circumstances warrant, require the application of this subpart C with respect to a substance not listed in appendix I to this subpart C that would create thermal or overpressure effect in excess of that listed in §51.203.

[61 FR 13334, Mar. 26, 1996]

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§51.208 Reservation of administrative and legal rights.

Publication of these standards does not constitute a waiver of any right: (a) Of HUD to disapprove a project proposal if the siting is too close to a potential hazard not covered by this subpart, and (b) of HUD or any person or other entity to seek to abate or to collect damages occasioned by a nuisance, whether or not covered by the subpart.

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Appendix I to Subpart C of Part 51—Specific Hazardous Substances

The following is a list of specific petroleum products and chemicals defined to be hazardous substances under §51.201.

HAZARDOUS LIQUIDS

Acetic Acid	Ethyl Benzene
Acetic Anhydride	Ethyl Dichloride
Acetone	Ethyl Ether
Acrylonitrile	Gasoline
Amyl Acetate	Heptane
Amyl Alcohol	Hexane
Benzene	Isobutyl Acetate
Butyl Acetate	Isobutyl Alcohol
Butyl Acrylate	Isopropyl Acetate
Butyl Alcohol	Isopropyl Alcohol
Carbon Bisulfide	Jet Fuel and Kerosene
Carbon Disulfide	Methyl Alcohol
Cellosolve	Methyl Amyl Alcohol
Cresols	Methyl Cellosolve
Crude Oil (Petroleum)	Methyl Ethyl Ketone
Cumene	Naptha
Cyclohexane	Pentane
No. 2 Diesel Fuel	Propylene Oxide
Ethyl Acetate	Toluene
Ethyl Acrylate	Vinyl Acetate
Ethyl Alcohol	Xylene

HAZARDOUS GASES

Acetaldehyde	Hydrogen
--------------	----------

Butadiene	Liquefied Natural Gas (LNG)
Butane	Liquefied Petroleum Gas (LPG)
Ethene	Propane
Ethylene	Propylene
Ethylene Oxide	Vinyl Chloride

(Primary Source: "Urban Development Siting with respect to Hazardous Commercial/Industrial Facilities," by Rolf Jensen and Associates, Inc., April 1982)

[49 FR 5105, Feb. 10, 1984; 49 FR 12214, Mar. 29, 1984]

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Appendix II to Subpart C of Part 51—Development of Standards; Calculation Methods

I. Background Information Concerning the Standards

(a) Thermal Radiation:

(1) *Introduction.* Flammable products stored in above ground containers represent a definite, potential threat to human life and structures in the event of fire. The resulting fireball emits thermal radiation which is absorbed by the surroundings. Combustible structures, such as wooden houses, may be ignited by the thermal radiation being emitted. The radiation can cause severe burn, injuries and even death to exposed persons some distance away from the site of the fire.

(2) *Criteria for Acceptable Separation Distance (ASD).* Wooden buildings, window drapes and trees generally ignite spontaneously when exposed for a relatively long period of time to thermal radiation levels of approximately 10,000 Btu/hr. sq. ft. It will take 15 to 20 minutes for a building to ignite at that degree of thermal intensity. Since the reasonable response time for fire fighting units in urbanized areas is approximately five to ten minutes, a standard of 10,000 BTU/hr. sq. ft. is considered an acceptable level of thermal radiation for buildings.

People in outdoor areas exposed to a thermal radiation flux level of approximately 1,500 Btu/ft² hr will suffer intolerable pain after 15 seconds. Longer exposure causes blistering, permanent skin damage, and even death. Since it is assumed that children and the elderly could not take refuge behind walls or run away from the thermal effect of the fire within the 15 seconds before skin blistering occurs, unprotected (outdoor) areas, such as playgrounds, parks, yards, school grounds, etc., must be placed at such a distance from potential fire locations so that the radiation flux level is well below 1500 Btu/ft² hr. An acceptable flux level, particularly for elderly people and children, is 450 Btu/ft² hr. The skin can be exposed to this degree of thermal radiation for 3 minutes or longer with no serious detrimental effect. The result would be the same as a bad sunburn. Therefore, the standard for areas in which there will be exposed people, e.g. outdoor recreation areas such as playgrounds and parks, is set at 450 Btu/hr. sq. ft. Areas covered also include open space ancillary to residential structures, such as yard areas and vehicle parking areas.

(3) *Acceptable Separation Distance From a Potential Fire Hazard.* This is the actual setback required for the safety of occupied buildings and their inhabitants, and people in open spaces (exposed areas) from a potential fire hazard. The specific distance required for safety from such a hazard depends upon the nature and the volume of the substance. The Technical Guidebook entitled "Urban Development Siting With Respect to Hazardous/Commercial Industrial Facilities," which supplements this regulation, contains the technical guidance required to compute Acceptable Separation Distances (ASD) for those flammable substances most often encountered.

(b) *Blast Overpressure:* The Acceptable Separation Distance (ASD) for people and structures from materials prone to explosion is dependent upon the resultant blast measured in pounds per square inch (psi) overpressure. It has been determined by the military and corroborated by two independent studies conducted for the Department of Housing and Urban Development that 0.5 psi is the acceptable level of blast overpressure for both buildings and occupants, because a frame structure can normally withstand that level of external exertion with no serious structural damage, and it is

unlikely that human beings inside the building would normally suffer any serious injury. Using this as the safety standard for blast overpressure, nomographs have been developed from which an ASD can be determined for a given quantity of hazardous substance. These nomographs are contained in the handbook with detailed instructions on their use.

(c) *Hazard evaluation:* The Acceptable Separation Distances for buildings, which are determined for thermal radiation and blast overpressure, delineate separate identifiable danger zones for each potential accident source. For some materials the fire danger zone will have the greatest radius and cover the largest area, while for others the explosion danger zone will be the greatest. For example, conventional petroleum fuel products stored in unpressurized tanks do not emit blast overpressure of dangerous levels when ignited. In most cases, hazardous substances will be stored in pressurized containers. The resulting blast overpressure will be experienced at a greater distance than the resulting thermal radiation for the standards set in Section 51.203. In any event the hazard requiring the greatest separation distance will prevail in determining the location of HUD-assisted projects.

The standards developed for the protection of people and property are given in the following table.

	Thermal radiation	Blast overpressure
Amount of acceptable exposure allowed for building structures	10,000 BTU/ft ² hr	0.5 psi.
Amount of acceptable exposure allowed for people in open areas	450 BTU/ft ² hr	0.5 psi.

Problem Example

The following example is given as a guide to assist in understanding how the procedures are used to determine an acceptable separation distance. The technical data are found in the HUD Guidebook. Liquid propane is used in the example since it is both an explosion and a fire hazard.

In this hypothetical case a proposed housing project is to be located 850 feet from a 30,000 gallon liquid propane (LPG) tank. The objective is to determine the acceptable separation distance from the LPG tank. Since propane is both explosive and fire prone it will be necessary to determine the ASD for both explosion and for fire. The greatest of the two will govern. There is no dike around the tank in this example.

Nomographs from the technical Guidebook have been reproduced to facilitate the solving of the problem.

ASD For Explosion

Use Figure 1 to determine the acceptable separation distance for explosion.

The graph depicted on Figure 1 is predicated on a blast overpressure of 0.5 psi.

The ASD in feet can be determined by applying the quantity of the hazard (in gallons) to the graph.

In this case locate the 30,000 gallon point on the horizontal axis and draw a vertical line from that point to the intersection with the straight line curve. Then draw a horizontal line from the point where the lines cross to the left vertical axis where the ACCEPTABLE SEPARATION DISTANCE of 660 feet is found.

Therefore the ASD for explosion is 660 feet

Since the proposed project site is located 850 feet from the tank it is located at a safe distance with regards to blast overpressure.

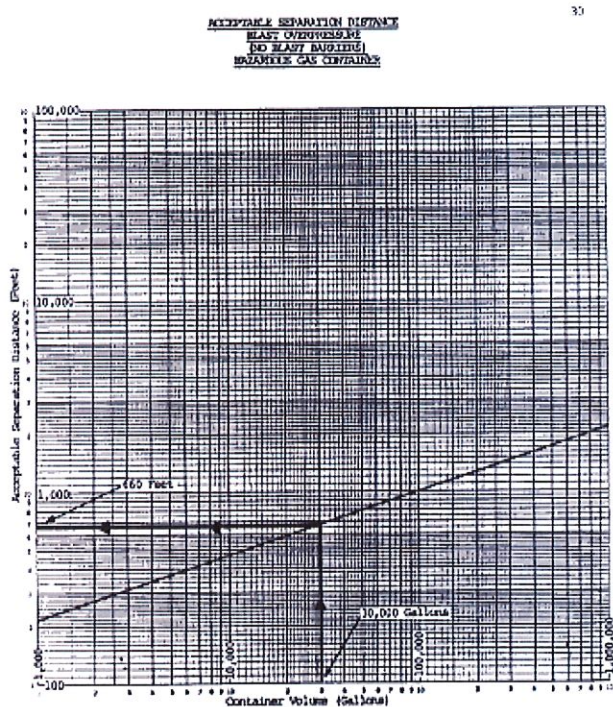


Figure 1

[View or download PDF](#)

ASD For Fire

To determine the ASD for fire it will be necessary to first find the fire width (diameter of the fireball) on Figure 2. Then apply this to Figure 3 to determine the ASD.

Since there are two safety standards for fire: (a) 10,000 BTU/ft²hr. for buildings; and (b) 450 BTU/ft²hr. for people in exposed areas, it will be necessary to determine an ASD for each.

To determine the fire width locate the 30,000 gallon point on the horizontal axis on *Figure 2* and draw a vertical line to the straight line curve. Then draw a horizontal line from the point where the lines cross to the left vertical axis where the FIRE WIDTH is found to be 350 feet.

Now locate the 350 ft. point on the horizontal axis of *Figure 3* and draw a vertical line from that point to curves 1 and 2. Then draw horizontal lines from the points where the lines cross to the left vertical axis where the ACCEPTABLE SEPARATION DISTANCES of 240 feet for buildings and 1,150 feet for exposure to people is found.

Based on this the proposed project site is located at a safe distance from a potential fireball. However, exposed playgrounds or other exposed areas of congregation must be at least 1,150 feet from the tank, or be appropriately shielded from a potential fireball.

(Source: HUD Handbook, "Urban Development Siting With Respect to Hazardous Commercial/Industrial Facilities.")

FIRE WIDTH - UNCONTROLLED SPILL
HAZARDOUS GAS CONTAINERS
NOT DUG

32

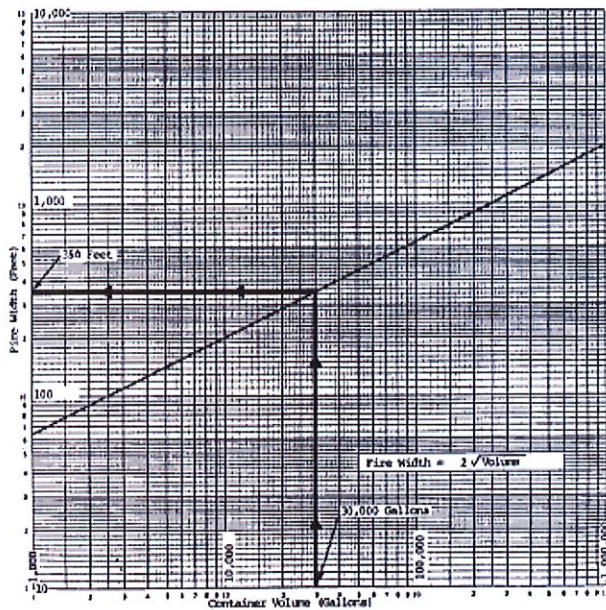


Figure 2

[View or download PDF](#)

ACCEPTABLE SEPARATION DISTANCE
HAZARDOUS GAS CONTAINERS
UNDUG/UNDENSE

33

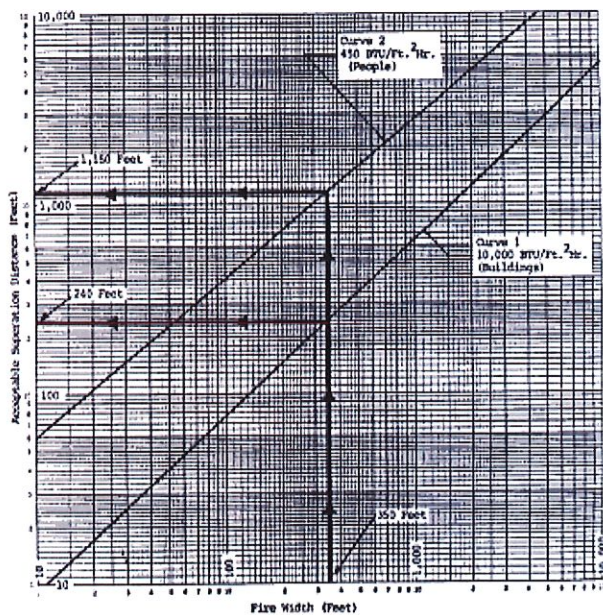


Figure 3

[View or download PDF](#)

[49 FR 5105, Feb. 10, 1984; 49 FR 12214, Mar. 29, 1984]

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Subpart D—Siting of HUD Assisted Projects in Runway Clear Zones at Civil Airports and Clear Zones and Accident Potential Zones at Military Airfields

AUTHORITY: Sec. 2, Housing Act of 1949, as amended, 42 U.S.C. 1441, affirmed by sec. 2, HUD Act of 1969, Pub. L. 90-448; sec. 7(d), HUD Act of 1965, 42 U.S.C. 3535(d); OMB, Fed'l Mgmt. Cir. 75-2: Compatible Land Uses At Federal Airfields.

SOURCE: 49 FR 880, Jan. 6, 1984, unless otherwise noted.

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§51.300 Purpose.

It is the purpose of this subpart to promote compatible land uses around civil airports and military airfields by identifying suitable land uses for Runway Clear Zones at civil airports and Clear Zones and Accident Potential Zones at military airfields and by establishing them as standards for providing HUD assistance, subsidy or insurance.

[49 FR 880, Jan. 6, 1984, as amended at 61 FR 13334, Mar. 26, 1996]

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§51.301 Definitions.

For the purposes of this regulation, the following definitions apply:

(a) *Accident Potential Zone*. An area at military airfields which is beyond the Clear Zone. The standards for the Accident Potential Zones are set out in Department of Defense Instruction 4165.57, "Air Installations Compatible Use Zones," November 8, 1977, 32 CFR part 256. There are no Accident Potential Zones at civil airports.

(b) *Airport Operator*. The civilian or military agency, group or individual which exercises control over the operations of the civil airport or military airfield.

(c) *Civil Airport*. An existing commercial service airport as designated in the National Plan of Integrated Airport Systems prepared by the Federal Aviation Administration in accordance with section 504 of the Airport and Airway Improvement Act of 1982.

(d) *Runway Clear Zones and Clear Zones*. Areas immediately beyond the ends of a runway. The standards for Runway Clear Zones for civil airports are established by FAA regulation 14 CFR part 152. The standards for Clear Zones for military airfields are established by DOD Instruction 4165.57, 32 CFR part 256.

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§51.302 Coverage.

(a) These policies apply to HUD programs which provide assistance, subsidy or insurance for construction, land development, community development or redevelopment or any other provision of facilities and services which are designed to make land available for construction. When the HUD assistance, subsidy or insurance is used to make land available for construction rather than for the actual construction, the provision of the HUD assistance, subsidy or insurance shall be dependent upon whether the facility to be built is itself acceptable in accordance with the standards in §51.303.

(b) These policies apply not only to new construction but also to substantial or major modernization and rehabilitation and to any other program which significantly prolongs the physical or economic life of existing facilities or which, in the case of Accident Potential Zones:

(1) Changes the use of the facility so that it becomes one which is no longer acceptable in accordance with the standards contained in §51.303(b);

(2) Significantly increases the density or number of people at the site; or

(3) Introduces explosive, flammable or toxic materials to the area.

(c) Except as noted in §51.303(a)(3), these policies do not apply to HUD programs where the action only involves the purchase, sale or rental of an existing property without significantly prolonging the physical or economic life of the property.

(d) The policies do not apply to research or demonstration projects which do not result in new construction or reconstruction, to interstate land sales registration, or to any action or emergency assistance which is provided to save lives, protect property, protect public health and safety, or remove debris and wreckage.

[49 FR 880, Jan. 6, 1984, as amended at 61 FR 13334, Mar. 26, 1996]

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§51.303 General policy.

It is HUD's general policy to apply standards to prevent incompatible development around civil airports and military airfields.

(a) HUD policy for actions in Runway Clear Zones and Clear Zones.

(1) HUD policy is not to provide any assistance, subsidy or insurance for projects and actions covered by this part except as stated in §51.303(a)(2) below.

(2) If a project proposed for HUD assistance, subsidy or insurance is one which will not be frequently used or occupied by people, HUD policy is to provide assistance, subsidy or insurance only when written assurances are provided to HUD by the airport operator to the effect that there are no plans to purchase the land involved with such facilities as part of a Runway Clear Zone or Clear Zone acquisition program.

(3) Special notification requirements for Runway Clear Zones and Clear Zones. In all cases involving HUD assistance, subsidy, or insurance for the purchase or sale of an existing property in a Runway Clear Zone or Clear Zone, HUD (or the responsible entity or recipient under 24 CFR part 58) shall advise the buyer that the property is in a Runway Clear Zone or Clear Zone, what the implications of such a location are, and that there is a possibility that the property may, at a later date, be acquired by the airport operator. The buyer must sign a statement acknowledging receipt of this information.

(b) HUD policy for actions in Accident Potential Zones at Military Airfields. HUD policy is to discourage the provision of any assistance, subsidy or insurance for projects and actions in the Accident Potential Zones. To be approved, projects must be generally consistent with the recommendations in the *Land Use Compatibility Guidelines For Accident Potential Zones* chart contained in DOD Instruction 4165.57, 32 CFR part 256.

[49 FR 880, Jan. 6, 1984, as amended at 61 FR 13334, Mar. 26, 1996]

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§51.304 Responsibilities.

(a) The following persons have the authority to approve actions in Accident Potential Zones:

(1) For programs subject to environmental review under 24 CFR part 58: the Certifying Officer of the responsible entity as defined in 24 CFR part 58.

(2) For all other HUD programs: the HUD approving official having approval authority for the project.

(b) The following persons have the authority to approve actions in Runway Clear Zones and Clear Zones:

(1) For programs subject to environmental review under 24 CFR part 58: The Certifying Officer of the responsible entity as defined in 24 CFR part 58.

(2) For all other HUD programs: the Program Assistant Secretary.

[61 FR 13335, Mar. 26, 1996]

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§51.305 Implementation.

(a) Projects already approved for assistance. This regulation does not apply to any project approved for assistance prior to the effective date of the regulation whether the project was actually under construction at that date or not.

(b) Acceptable data on Runway Clear Zones, Clear Zones and Accident Potential Zones. The only Runway Clear Zones, Clear Zones and Accident Potential Zones which will be recognized in applying this part are those provided by the airport operators and which for civil airports are defined in accordance with FAA regulations 14 CFR part 152 or for military airfields, DOD Instruction 4165.57, 32 CFR part 256. All data, including changes, related to the dimensions of Runway Clear Zones for civil airports shall be verified with the nearest FAA Airports District Office before use by HUD.

(c) Changes in Runway Clear Zones, Clear Zones, and Accident Potential Zones. If changes in the Runway Clear Zones, Clear Zones or Accident Potential Zones are made, the field offices shall immediately adopt these revised zones for use in reviewing proposed projects.

(d) The decision to approve projects in the Runway Clear Zones, Clear Zones and Accident Potential Zones must be documented as part of the environmental assessment or, when no assessment is required, as part of the project file.

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APPENDIX 2: EQUIPMENT DATA CALIBRATION



TSI INCORPORATED – OCONOMOWOC

1060 Corporate Center Drive, Oconomowoc, WI 53066 USA
tel 651 490 2811 + toll free 800 245 0779 + web www.tsi.com

Page 1 of 1

An ISO 9001
Registered Company

Certificate of Calibration

Certificate No: 794380 BLL080008

Submitted By: RAECO RENT'S LLC
135 BERNICE DR
BENSENVILLE, IL 60106

Serial Number: BLL080008
Customer ID:
Model: SOUNDPRO DL-1-1/3 SLM
Test Conditions:
Temperature: 18°C to 29°C
Humidity: 20% to 80%
Barometric Pressure: 890 mbar to 1050 mbar

Date Received: 5/13/2019
Date Issued: 5/15/2019
Valid Until: 5/15/2020

Model Conditions:
As Found: IN TOLERANCE
As Left: IN TOLERANCE

SubAssemblies:

Description:
MICROPHONE B&K 4936 1/2 IN. ELECTRET
TYPE 2 PREAMP

Serial Number:
3029030
0417 2342

Calibrated per Procedure: 53V899

Reference Standard(s):

I.D. Number	Device
EF000255	QUEST-CAL
ET0000556	B&K ENSEMBLE

Last Calibration Date	Calibration Due
12/11/2018	12/11/2019
6/23/2018	10/31/2019

Measurement Uncertainty:

+/- 2.2% ACOUSTIC (0.19DB)
Estimated at 95% Confidence Level (k=2)

Calibrated By:

Jose Morales
JOSE MORALES Service Technician

5/15/2019

This report certifies that all calibration equipment used in the test is traceable to NIST, and applies only to the unit identified under equipment above. This report must not be reproduced except in its entirety without the written approval of 3M Detection Solutions.



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tel 651 490 2811 + toll free 800 245 0779 + web www.tsi.com

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Registered Company

Certificate of Calibration

Certificate No: 794380 AC300005091

Submitted By: RAECO RENTS LLC
135 BERNICE DR
BENSENVILLE, IL 60106

Serial Number: AC300005091
Customer ID: 2904
Model: AC-300 CALIBRATOR
Test Conditions:
Temperature: 18°C to 29°C
Humidity: 20% to 80%
Barometric Pressure: 890 mbar to 1050 mbar

Date Received: 5/13/2019
Date Issued: 5/15/2019
Valid Until: 5/15/2020

Model Conditions:
As Found: IN TOLERANCE
As Left: IN TOLERANCE

SubAssemblies:

Description:

Serial Number:

Calibrated per Procedure: 057V879

Reference Standard(s):

I.D. Number	Device
ET0000556	B&K ENSEMBLE

Last Calibration Date	Calibration Due
6/23/2018	10/31/2019

Measurement Uncertainty:

+/- 1.1% ACOUSTIC (0.1dB) +/- 0.012% HZ
Estimated at 95% Confidence Level (k=2)

Calibrated By:

JOSE MORALES
JOSE MORALES

Service Technician

5/15/2019

This report certifies that all calibration equipment used in the test is traceable to NIST, and applies only to the unit identified under equipment above. This report must not be reproduced except in its entirety without the written approval of 3M Detection Solutions.

APPENDIX 3: NOISE LEVEL MEASUREMENT AND GRAPHS

Session Report

2/11/2020

Information Panel

Name Monitoring Station #1 - Day Time Period
Start Time 2/6/2020 7:43:00 PM
Stop Time 2/6/2020 8:14:35 PM
Run Time 00:31:35
Serial Number BLL080008
Model Type SoundPro DL
Device Firmware Rev R.13H
Description Located at east side.

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Rtime	1	00:31:35	LDN	1	60.2 dB
CNEL	1	65.2 dB	Takt	1	62.6 dB
L10	1	61.4 dB	L90	1	55.9 dB
Exchange Rate	1	3 dB	Criterion Level	1	90 dB
Weighting	1	A	Response	1	FAST

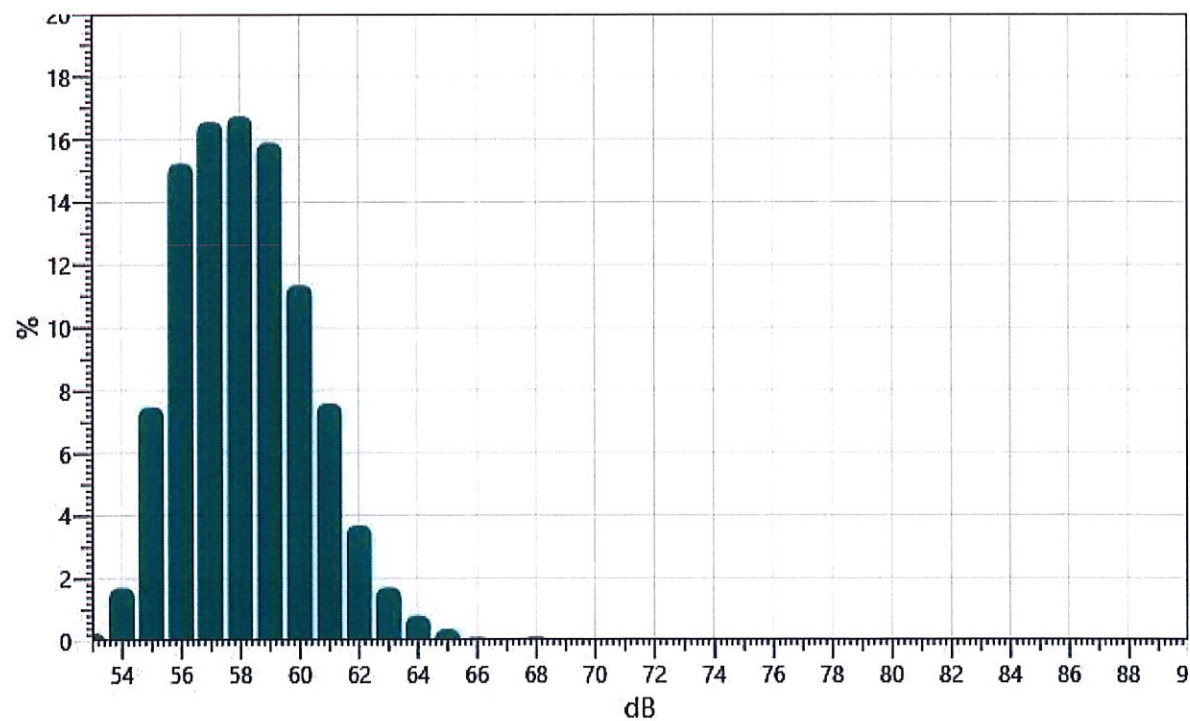
Statistics Table

dB:	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
53:	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.06	0.08	0.25
54:	0.08	0.09	0.11	0.13	0.14	0.14	0.18	0.21	0.26	0.36	1.69
55:	0.44	0.49	0.56	0.54	0.67	0.72	0.86	0.98	1.04	1.18	7.47
56:	1.25	1.39	1.48	0.50	1.62	1.73	1.73	1.82	1.78	1.95	15.24
57:	1.94	1.82	1.80	1.69	1.62	1.56	1.59	1.53	1.52	1.50	16.57
58:	1.60	1.64	1.67	1.73	1.70	1.62	1.68	1.63	1.69	1.78	16.74
59:	1.91	1.90	1.90	0.63	1.74	1.66	1.71	1.63	1.51	1.30	15.90
60:	1.25	1.28	1.28	1.23	1.20	1.16	1.05	1.04	0.96	0.90	11.35
61:	0.90	0.85	0.80	0.77	0.83	0.74	0.75	0.69	0.63	0.61	7.58
62:	0.59	0.53	0.48	0.16	0.40	0.38	0.35	0.29	0.25	0.25	3.68
63:	0.24	0.23	0.22	0.18	0.16	0.16	0.14	0.12	0.12	0.12	1.70
64:	0.11	0.09	0.08	0.08	0.08	0.06	0.07	0.07	0.06	0.07	0.79
65:	0.07	0.06	0.04	0.02	0.04	0.03	0.03	0.02	0.03	0.03	0.36

66:	0.03	0.03	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.11
67:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.04
68:	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11
69:	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.07
70:	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.04
71:	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
72:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
73:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
74:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
75:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
76:	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.03
77:	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.05
78:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
79:	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
80:	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.04
81:	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
82:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Statistics Chart

Monitoring Station #1 - Day Time Period: Statistics Chart

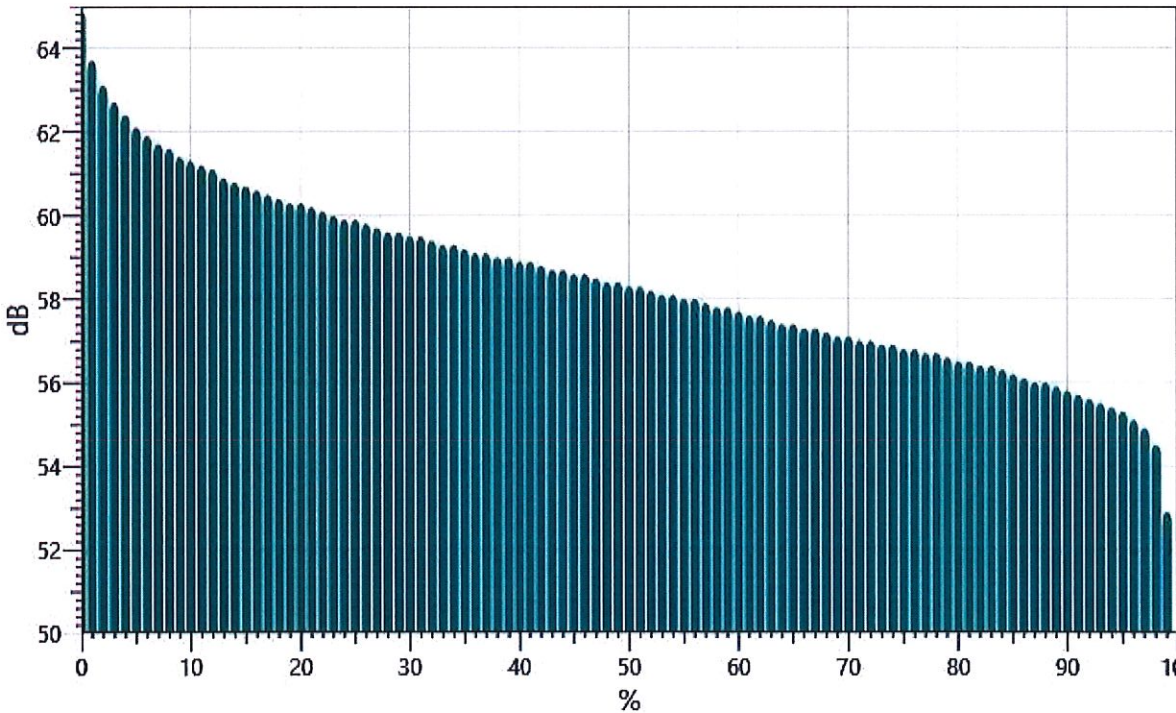


Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	%7	%8	%9
0%:		64.9	63.7	63.1	62.7	62.4	62.1	61.9	61.7	61.6
10%:	61.4	61.3	61.2	61.1	60.9	60.8	60.7	60.6	60.5	60.4
20%:	60.3	60.3	60.2	60.1	60.0	59.9	59.9	59.8	59.7	59.6
30%:	59.6	59.5	59.5	59.4	59.3	59.3	59.2	59.1	59.1	59.0
40%:	59.0	58.9	58.9	58.8	58.7	58.7	58.6	58.6	58.5	58.4
50%:	58.4	58.3	58.3	58.2	58.1	58.1	58.0	58.0	57.9	57.8
60%:	57.8	57.7	57.6	57.6	57.5	57.4	57.4	57.3	57.3	57.2
70%:	57.1	57.1	57.0	57.0	56.9	56.9	56.8	56.8	56.7	56.7
80%:	56.6	56.5	56.5	56.4	56.4	56.3	56.2	56.1	56.0	56.0
90%:	55.9	55.8	55.7	55.6	55.5	55.4	55.3	55.1	54.9	54.5
100%:	52.9									

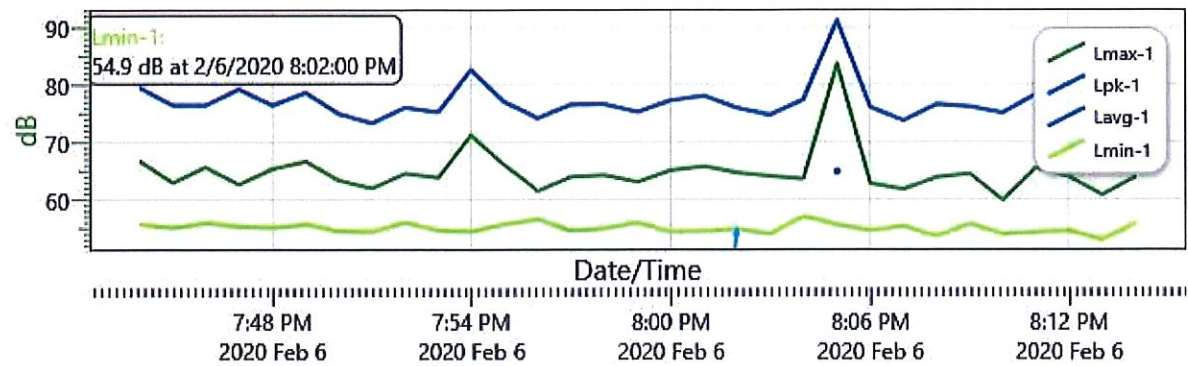
Exceedance Chart

Monitoring Station #1 - Day Time Period: Exceedance Chart



Logged Data Chart

Monitoring Station #1 - Day Time Period: Logged Data Chart



Session Report

2/11/2020

Information Panel

Name	Monitoring Station #2 - Day Time Period
Start Time	2/6/2020 8:15:28 PM
Stop Time	2/6/2020 8:49:09 PM
Run Time	00:33:41
Serial Number	BLL080008
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Description	Located at north side

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
CNEL	1	71.2 dB	Rtime	1	00:33:41
L10	1	64.5 dB	L90	1	54.6 dB
LDN	1	66.2 dB	Takt	1	70.9 dB
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	FAST	Criterion Level	1	90 dB

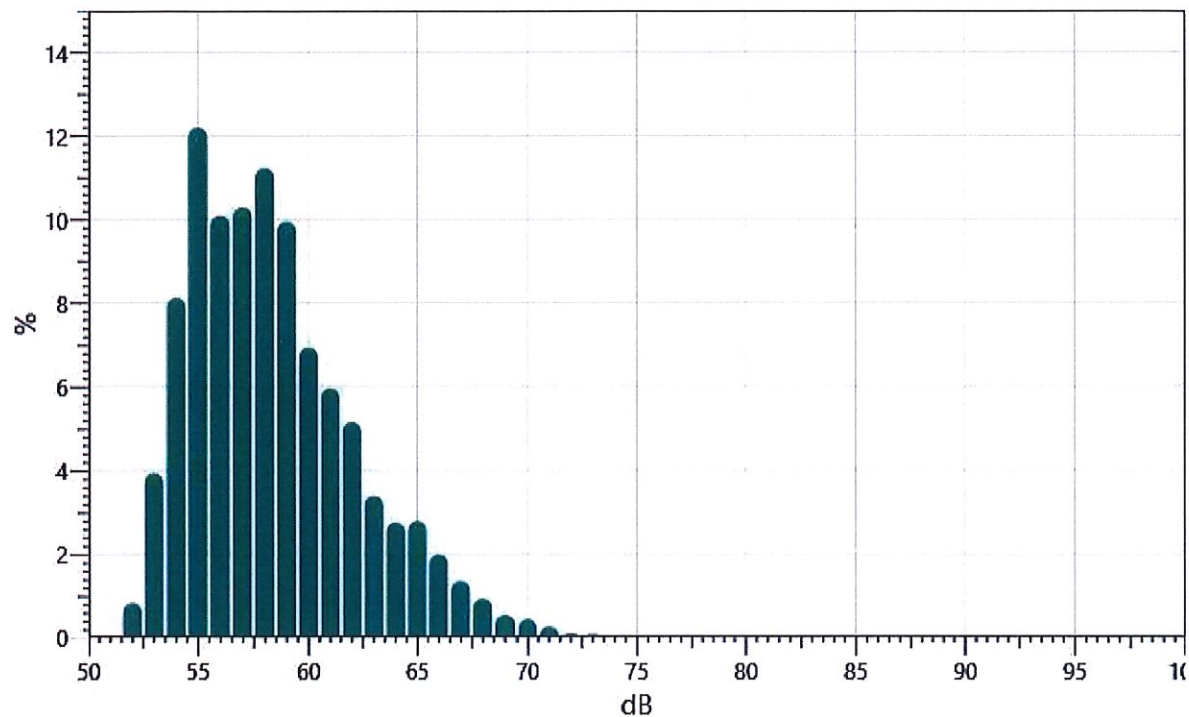
Statistics Table

dB:	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
51:	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05
52:	0.01	0.03	0.04	0.04	0.05	0.07	0.08	0.13	0.17	0.21	0.83
53:	0.26	0.34	0.35	0.15	0.44	0.47	0.37	0.44	0.51	0.62	3.94
54:	0.64	0.63	0.66	0.67	0.75	0.84	0.83	0.95	1.10	1.06	8.13
55:	1.14	1.16	1.20	1.27	1.27	1.28	1.23	1.21	1.22	1.22	12.21
56:	1.21	1.16	1.15	0.34	0.96	1.08	1.18	1.09	0.98	0.94	10.10
57:	1.09	1.07	1.12	1.06	0.96	0.93	0.93	0.97	1.10	1.09	10.30
58:	1.02	0.95	1.03	1.07	1.15	1.17	1.20	1.22	1.25	1.18	11.24
59:	1.13	1.16	1.23	0.37	1.19	1.12	0.97	0.87	0.93	0.99	9.96
60:	0.93	0.92	0.77	0.68	0.69	0.64	0.59	0.55	0.55	0.62	6.94
61:	0.62	0.52	0.52	0.53	0.62	0.61	0.60	0.61	0.66	0.67	5.96
62:	0.74	0.62	0.56	0.18	0.53	0.50	0.53	0.47	0.54	0.50	5.15

63:	0.46	0.41	0.36	0.37	0.31	0.29	0.29	0.30	0.32	0.29	3.40
64:	0.29	0.28	0.27	0.26	0.26	0.28	0.26	0.27	0.27	0.32	2.76
65:	0.31	0.36	0.36	0.12	0.30	0.30	0.28	0.25	0.26	0.25	2.79
66:	0.24	0.22	0.21	0.21	0.18	0.18	0.18	0.18	0.19	0.19	1.99
67:	0.16	0.16	0.15	0.13	0.15	0.13	0.12	0.11	0.13	0.12	1.36
68:	0.12	0.12	0.12	0.06	0.08	0.09	0.09	0.09	0.08	0.07	0.93
69:	0.06	0.06	0.07	0.06	0.04	0.05	0.05	0.04	0.05	0.05	0.54
70:	0.06	0.04	0.03	0.05	0.04	0.04	0.04	0.05	0.04	0.05	0.44
71:	0.05	0.04	0.04	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.26
72:	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10
73:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.08
74:	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.05
75:	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03
76:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
77:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
78:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.04
79:	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.06
80:	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
81:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
82:	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.04
83:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
84:	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03
85:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
86:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91:	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01
92:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
93:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
94:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
95:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
96:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
97:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Statistics Chart

Monitoring Station #2 - Day Time Period : Statistics Chart

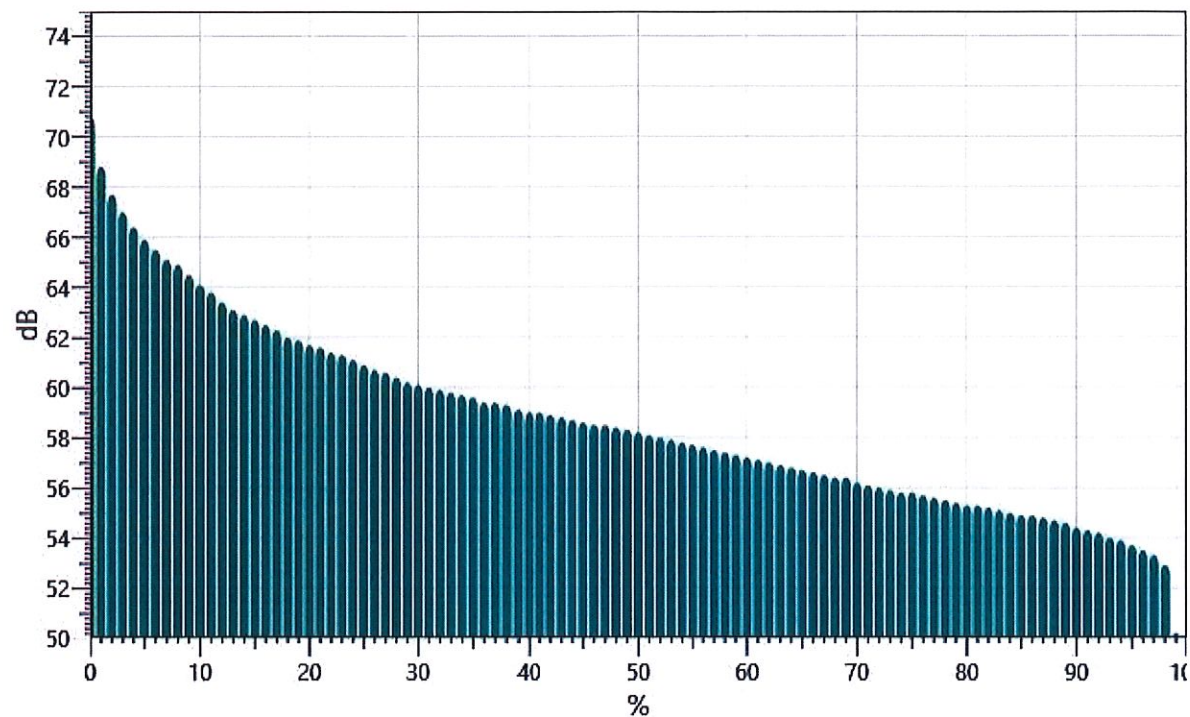


Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%:		70.8	68.8	67.7	67.0	66.4	65.9	65.5	65.1	64.9
10%:	64.5	64.1	63.8	63.4	63.1	62.9	62.7	62.5	62.3	62.0
20%:	61.9	61.7	61.6	61.4	61.3	61.1	60.9	60.7	60.6	60.4
30%:	60.2	60.1	60.0	59.9	59.8	59.7	59.6	59.4	59.4	59.3
40%:	59.1	59.0	59.0	58.9	58.8	58.7	58.6	58.5	58.5	58.4
50%:	58.3	58.2	58.1	58.0	57.9	57.8	57.7	57.6	57.5	57.4
60%:	57.3	57.2	57.1	57.0	56.9	56.8	56.7	56.6	56.5	56.4
70%:	56.4	56.2	56.1	56.0	55.9	55.8	55.8	55.7	55.6	55.5
80%:	55.4	55.3	55.3	55.2	55.1	55.0	54.9	54.9	54.8	54.7
90%:	54.6	54.4	54.3	54.2	54.0	53.9	53.7	53.5	53.3	52.9
100%:	50.2									

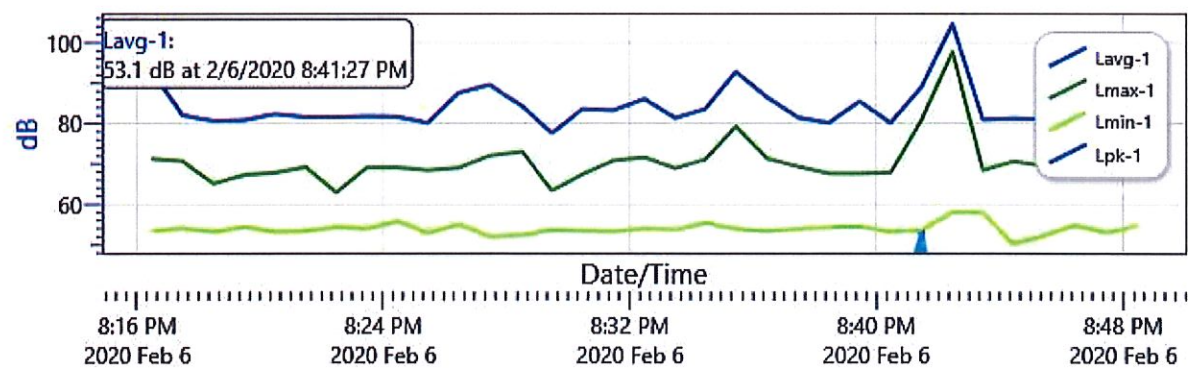
Exceedance Chart

Monitoring Station #2 - Day Time Period : Exceedance Chart



Logged Data Chart

Monitoring Station #2 - Day Time Period : Logged Data Chart



Session Report

2/11/2020

Information Panel

Name Monitoring Station #3 - Day Time Period
Start Time 2/6/2020 8:50:13 PM
Stop Time 2/6/2020 9:25:01 PM
Run Time 00:34:48
Serial Number BLL080008
Model Type SoundPro DL
Device Firmware Rev R.13H
Description Located at west side.

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
CNEL	1	58.4 dB	Rtime	1	00:34:48
L10	1	55 dB	L90	1	49.6 dB
LDN	1	53.4 dB	Takt	1	56.4 dB
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	FAST	Criterion Level	1	90 dB

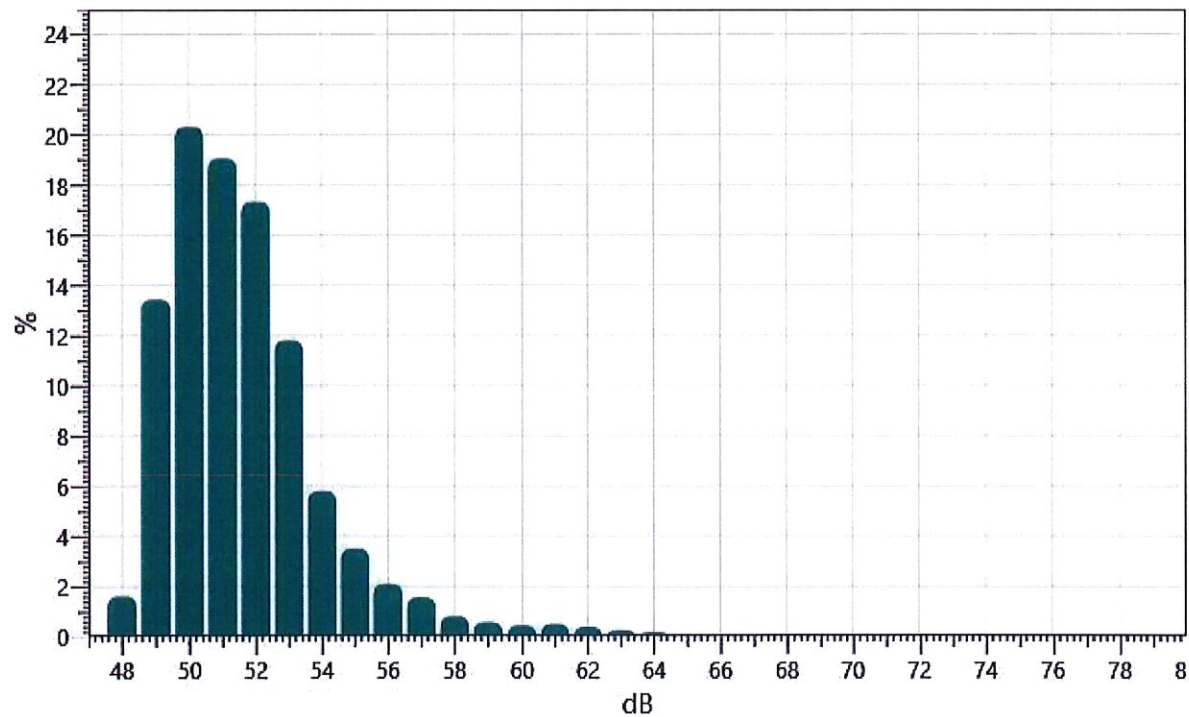
Statistics Table

dB:	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
47:	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.04
48:	0.02	0.04	0.05	0.05	0.08	0.11	0.18	0.28	0.37	0.43	1.61
49:	0.52	0.69	0.85	1.03	1.26	1.48	1.68	1.84	1.97	2.12	13.45
50:	2.10	2.15	2.01	0.95	2.20	2.16	2.11	2.26	2.25	2.14	20.33
51:	2.12	2.05	2.01	1.86	1.87	1.89	1.84	1.80	1.82	1.80	19.07
52:	1.86	1.78	1.78	1.80	1.74	1.76	1.67	1.66	1.66	1.63	17.34
53:	1.64	1.61	1.51	0.51	1.29	1.26	1.10	1.05	0.94	0.90	11.81
54:	0.83	0.76	0.69	0.65	0.60	0.52	0.49	0.45	0.40	0.39	5.79
55:	0.36	0.38	0.39	0.37	0.36	0.33	0.36	0.31	0.31	0.32	3.51
56:	0.31	0.28	0.26	0.07	0.23	0.22	0.19	0.18	0.15	0.19	2.10
57:	0.19	0.18	0.16	0.17	0.16	0.15	0.17	0.15	0.12	0.12	1.56
58:	0.11	0.10	0.09	0.08	0.08	0.08	0.07	0.06	0.07	0.07	0.80
59:	0.07	0.06	0.07	0.02	0.07	0.06	0.06	0.05	0.05	0.06	0.56

60:	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.04	0.04	0.06	0.44
61:	0.04	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.49
62:	0.05	0.05	0.05	0.01	0.04	0.04	0.03	0.03	0.03	0.04	0.38
63:	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.02	0.25
64:	0.02	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.16
65:	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.10
66:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.08
67:	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.06
68:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
69:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
70:	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03
71:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Statistics Chart

Monitoring Station #3 - Day Time Period: Statistics Chart



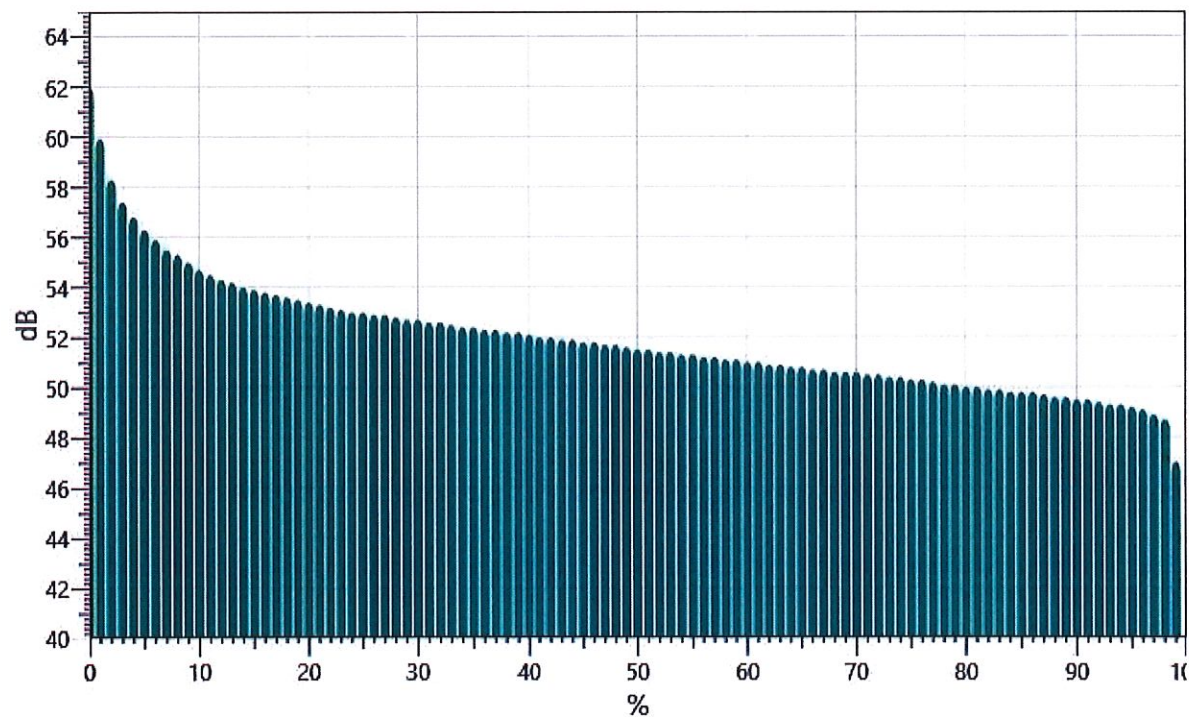
Exceedance Table

.	0%	1%	2%	3%	4%	5%	6%	%7	%8	%9
0%:		62.0	59.9	58.3	57.4	56.8	56.3	55.9	55.5	55.3
10%:	55.0	54.7	54.5	54.3	54.2	54.0	53.9	53.8	53.7	53.6

20%:	53.5	53.4	53.3	53.2	53.1	53.0	53.0	52.9	52.9	52.8
30%:	52.7	52.7	52.6	52.6	52.5	52.4	52.4	52.3	52.3	52.2
40%:	52.2	52.1	52.0	52.0	51.9	51.9	51.8	51.8	51.7	51.7
50%:	51.6	51.5	51.5	51.4	51.4	51.3	51.3	51.2	51.2	51.1
60%:	51.1	51.0	51.0	50.9	50.9	50.8	50.8	50.7	50.7	50.6
70%:	50.6	50.6	50.5	50.5	50.4	50.4	50.3	50.3	50.2	50.1
80%:	50.1	50.0	50.0	49.9	49.9	49.8	49.8	49.8	49.7	49.6
90%:	49.6	49.5	49.5	49.4	49.3	49.3	49.2	49.1	48.9	48.7
100%:	47.0									

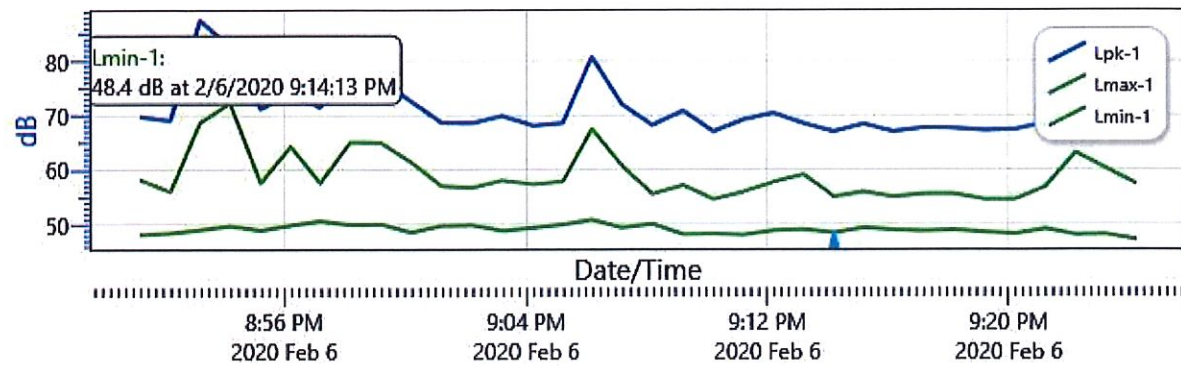
Exceedance Chart

Monitoring Station #3 - Day Time Period: Exceedance Chart



Logged Data Chart

Monitoring Station #3 - Day Time Period: Logged Data Chart



Session Report

2/11/2020

Information Panel

Name Monitoring Station #4 - Day Time Period
Start Time 2/6/2020 9:25:58 PM
Stop Time 2/6/2020 9:56:11 PM
Run Time 00:30:13
Serial Number BLL080008
Model Type SoundPro DL
Device Firmware Rev R.13H
Description Located at south side.

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
CNEL	1	61.9 dB	L10	1	58.8 dB
L90	1	50.7 dB	LDN	1	56.9 dB
Rtime	1	00:30:13	Takt	1	65 dB
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	FAST	Criterion Level	1	90 dB

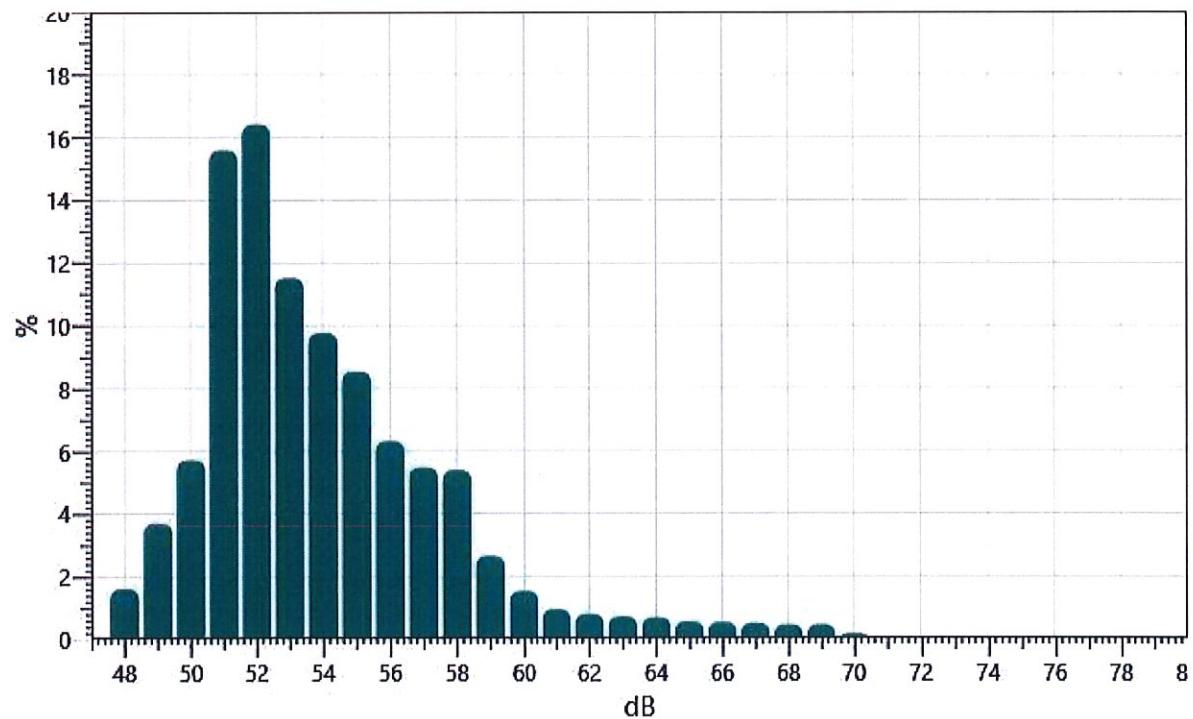
Statistics Table

dB:	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
47:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.08
48:	0.06	0.09	0.11	0.13	0.19	0.20	0.17	0.22	0.23	0.21	1.60
49:	0.27	0.27	0.29	0.28	0.32	0.38	0.42	0.45	0.50	0.52	3.69
50:	0.55	0.56	0.51	0.26	0.55	0.58	0.60	0.64	0.72	0.74	5.71
51:	0.86	1.11	1.32	1.37	1.50	1.76	1.74	1.86	2.01	2.07	15.59
52:	1.96	1.87	1.85	1.73	1.66	1.55	1.50	1.47	1.41	1.42	16.41
53:	1.41	1.41	1.39	0.44	1.18	1.18	1.20	1.12	1.10	1.09	11.52
54:	1.02	1.05	1.05	0.96	0.96	0.91	0.95	0.92	0.95	0.98	9.76
55:	0.94	0.92	0.87	0.86	0.86	0.76	0.84	0.87	0.79	0.84	8.54
56:	0.83	0.78	0.77	0.22	0.67	0.64	0.62	0.63	0.60	0.56	6.31
57:	0.57	0.57	0.55	0.54	0.56	0.54	0.57	0.48	0.56	0.51	5.47
58:	0.56	0.51	0.59	0.58	0.55	0.55	0.56	0.53	0.50	0.44	5.38
59:	0.40	0.37	0.36	0.10	0.30	0.23	0.25	0.25	0.20	0.19	2.64

60:	0.19	0.17	0.15	0.16	0.16	0.16	0.14	0.12	0.14	0.12	1.52
61:	0.11	0.10	0.10	0.11	0.08	0.09	0.10	0.07	0.09	0.07	0.94
62:	0.10	0.09	0.09	0.03	0.09	0.09	0.08	0.07	0.08	0.07	0.79
63:	0.08	0.08	0.06	0.08	0.07	0.07	0.06	0.06	0.08	0.07	0.71
64:	0.08	0.06	0.06	0.08	0.06	0.07	0.06	0.06	0.07	0.07	0.68
65:	0.06	0.06	0.08	0.02	0.05	0.06	0.05	0.06	0.05	0.06	0.55
66:	0.05	0.06	0.06	0.04	0.06	0.06	0.06	0.05	0.05	0.04	0.52
67:	0.06	0.05	0.05	0.05	0.04	0.06	0.04	0.05	0.04	0.05	0.49
68:	0.06	0.06	0.05	0.02	0.03	0.05	0.03	0.05	0.04	0.05	0.44
69:	0.06	0.05	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.05	0.45
70:	0.04	0.04	0.03	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.17
71:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Statistics Chart

Monitoring Station #4 - Day Time Period : Statistics Chart



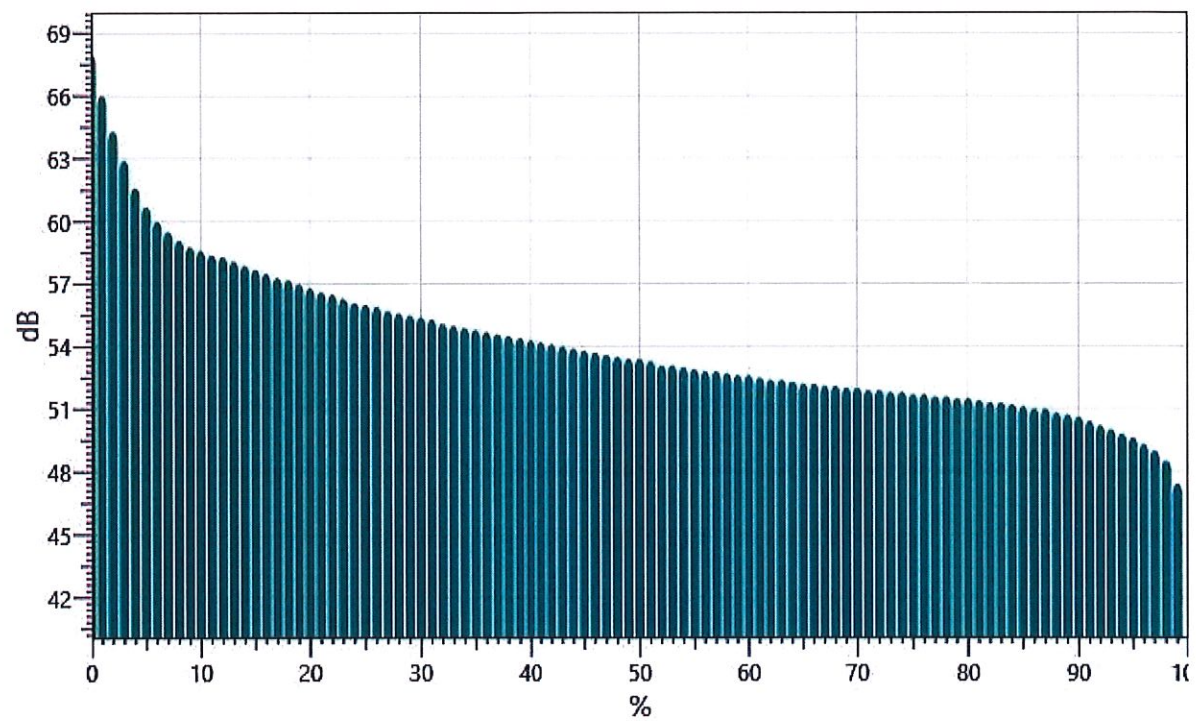
Exceedance Table

.	0%	1%	2%	3%	4%	5%	6%	%7	%8	%9
0%:		68.0	66.0	64.3	62.9	61.6	60.7	60.0	59.5	59.1
10%:	58.8	58.6	58.4	58.3	58.1	57.9	57.7	57.5	57.3	57.2
20%:	57.0	56.8	56.6	56.5	56.3	56.1	56.0	55.9	55.7	55.6

30%:	55.5	55.4	55.3	55.1	55.0	54.9	54.8	54.7	54.6	54.5
40%:	54.4	54.3	54.2	54.1	54.0	53.9	53.8	53.7	53.6	53.5
50%:	53.4	53.4	53.3	53.1	53.1	53.0	52.9	52.8	52.8	52.7
60%:	52.6	52.6	52.5	52.4	52.4	52.3	52.2	52.2	52.1	52.1
70%:	52.0	52.0	51.9	51.9	51.8	51.8	51.7	51.7	51.6	51.6
80%:	51.5	51.5	51.4	51.3	51.3	51.2	51.1	51.0	51.0	50.8
90%:	50.7	50.6	50.4	50.2	50.0	49.8	49.6	49.3	49.0	48.5
100%:	47.4									

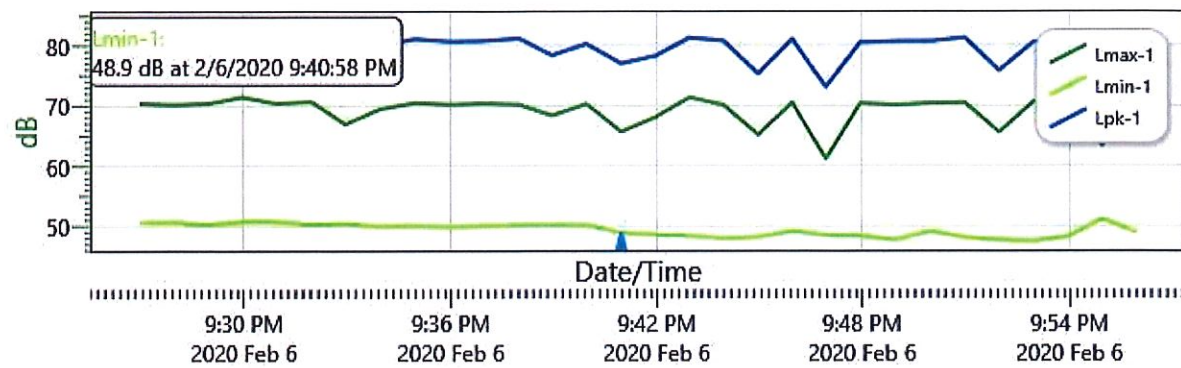
Exceedance Chart

Monitoring Station #4 - Day Time Period : Exceedance Chart



Logged Data Chart

Monitoring Station #4 - Day Time Period : Logged Data Chart



Session Report

2/11/2020

Information Panel

Name Monitoring Station #1 - Night Time Period
Start Time 2/6/2020 10:02:05 PM
Stop Time 2/6/2020 10:32:10 PM
Run Time 00:30:05
Serial Number BLL080008
Model Type SoundPro DL
Device Firmware Rev R.13H
Description Located at east side.

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
CNEL	1	70.7 dB	L10	1	64.8 dB
L90	1	53.6 dB	LDN	1	70.7 dB
Rtime	1	00:30:05	Takt	1	62.7 dB
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	FAST	Criterion Level	1	90 dB

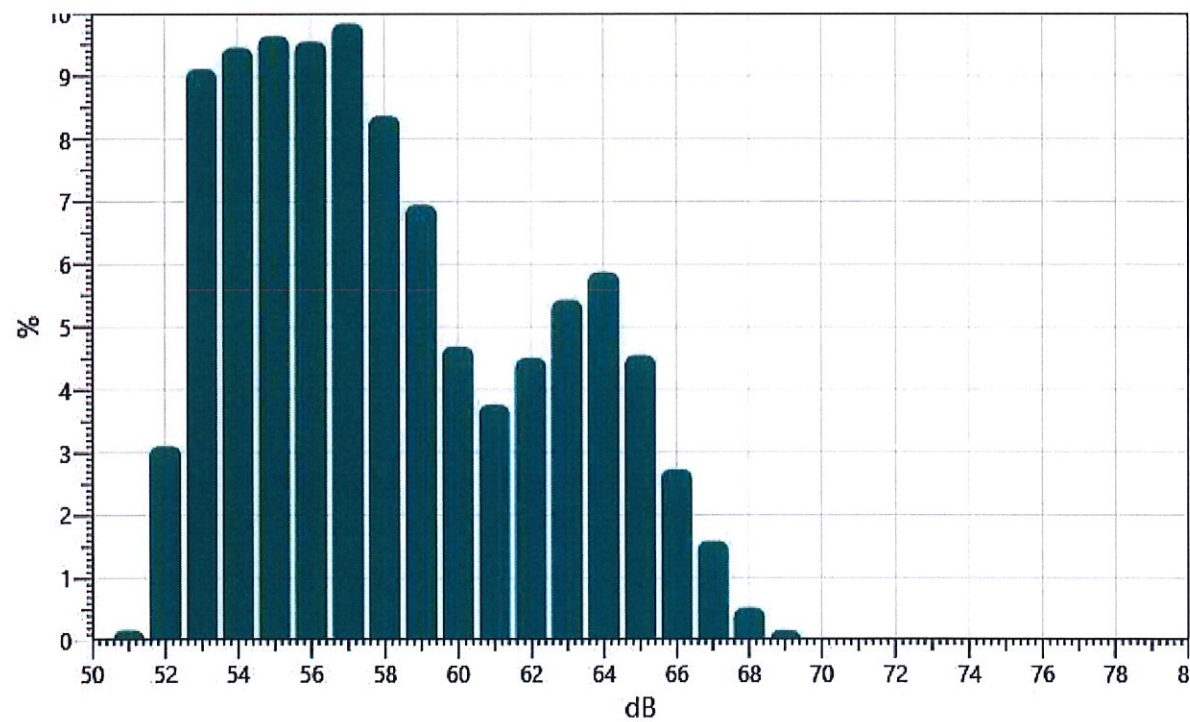
Statistics Table

dB:	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
50:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51:	0.00	0.01	0.00	0.00	0.01	0.01	0.02	0.04	0.03	0.04	0.16
52:	0.08	0.09	0.12	0.21	0.26	0.28	0.34	0.48	0.58	0.64	3.10
53:	0.75	0.81	0.88	0.35	0.95	1.04	1.09	1.09	1.04	1.10	9.11
54:	0.97	0.98	0.94	0.93	0.91	0.98	0.93	0.99	0.92	0.91	9.45
55:	0.86	0.85	0.98	0.86	0.93	1.01	1.02	1.02	1.06	1.06	9.64
56:	1.08	1.13	1.10	0.35	0.93	1.01	1.05	0.98	0.99	0.93	9.55
57:	1.01	1.01	1.06	0.99	0.97	0.93	0.89	0.97	1.02	0.99	9.84
58:	0.94	0.89	0.91	0.86	0.81	0.79	0.82	0.81	0.74	0.78	8.37
59:	0.74	0.82	0.89	0.27	0.77	0.77	0.78	0.69	0.64	0.58	6.95
60:	0.55	0.53	0.50	0.46	0.44	0.42	0.44	0.44	0.47	0.43	4.68
61:	0.45	0.40	0.41	0.38	0.35	0.36	0.35	0.34	0.37	0.36	3.76
62:	0.41	0.44	0.47	0.15	0.45	0.50	0.44	0.56	0.54	0.53	4.50

63:	0.54	0.53	0.51	0.54	0.55	0.57	0.56	0.51	0.58	0.53	5.43
64:	0.51	0.55	0.52	0.58	0.55	0.62	0.59	0.65	0.63	0.67	5.87
65:	0.67	0.64	0.60	0.23	0.47	0.47	0.41	0.38	0.35	0.32	4.54
66:	0.30	0.30	0.28	0.27	0.27	0.28	0.29	0.23	0.24	0.26	2.73
67:	0.18	0.22	0.17	0.19	0.17	0.16	0.15	0.12	0.12	0.10	1.58
68:	0.09	0.08	0.07	0.04	0.04	0.05	0.05	0.04	0.03	0.03	0.52
69:	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.15
70:	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.04
71:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
72:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
73:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Statistics Chart

Monitoring Station #1 - Night Time Period: Statistics Chart

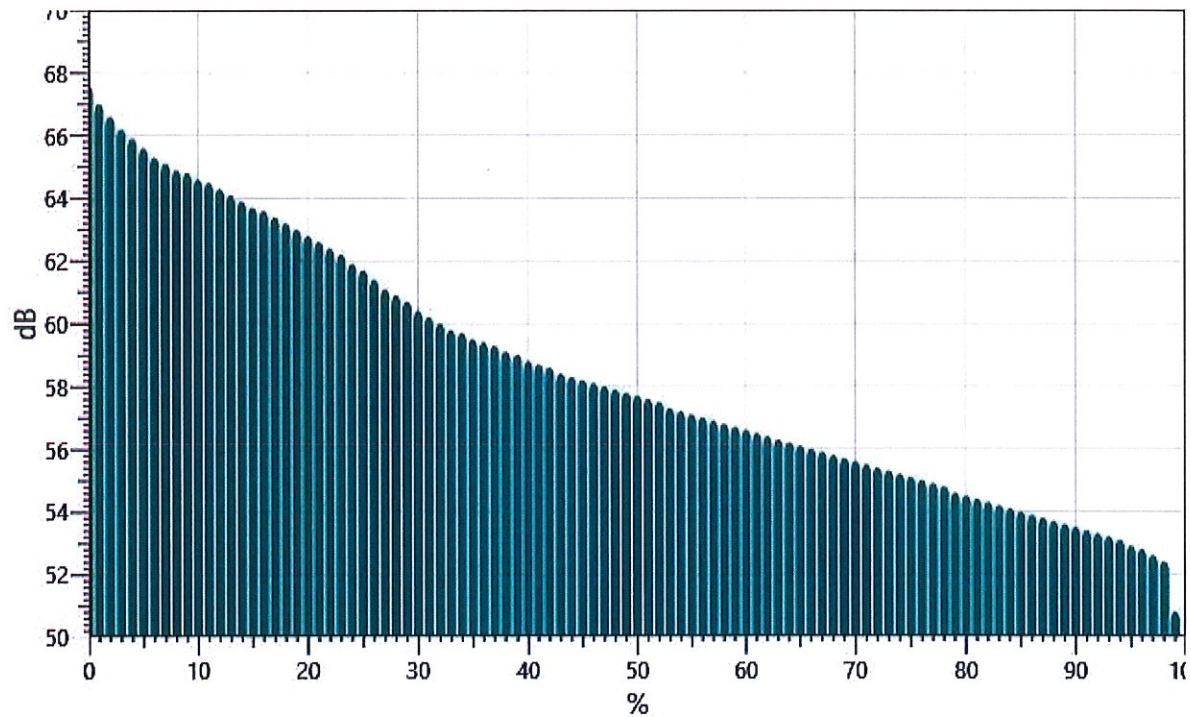


Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	7%	8%	9%
0%:		67.6	67.0	66.6	66.2	65.9	65.6	65.3	65.1	64.9
10%:	64.8	64.6	64.5	64.3	64.1	63.9	63.7	63.6	63.4	63.2
20%:	63.0	62.8	62.6	62.4	62.2	61.9	61.7	61.4	61.1	60.9
30%:	60.7	60.4	60.2	60.0	59.8	59.7	59.5	59.4	59.3	59.1
40%:	59.0	58.8	58.7	58.6	58.4	58.3	58.2	58.1	58.0	57.9
50%:	57.8	57.7	57.6	57.5	57.3	57.2	57.1	57.0	56.9	56.8
60%:	56.7	56.6	56.5	56.4	56.3	56.2	56.1	56.0	55.9	55.8
70%:	55.7	55.6	55.5	55.4	55.3	55.2	55.1	55.0	54.9	54.8
80%:	54.6	54.5	54.4	54.3	54.2	54.1	54.0	53.9	53.8	53.7
90%:	53.6	53.5	53.4	53.3	53.2	53.1	52.9	52.8	52.6	52.4
100%:	50.8									

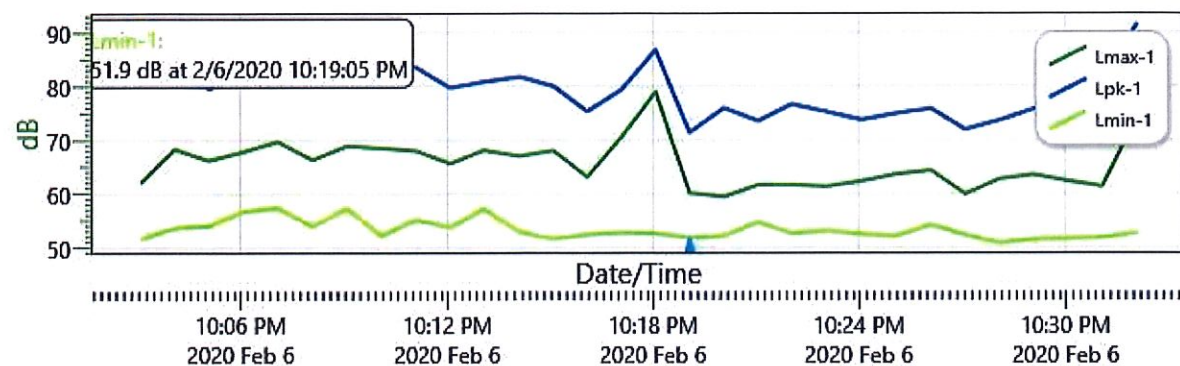
Exceedance Chart

Monitoring Station #1 - Night Time Period: Exceedance Chart



Logged Data Chart

Monitoring Station #1 - Night Time Period: Logged Data Chart



Session Report

2/11/2020

Information Panel

Name Monitoring Station #2 - Night Time Period
Start Time 2/6/2020 10:32:43 PM
Stop Time 2/6/2020 11:02:47 PM
Run Time 00:30:04
Serial Number BLL080008
Model Type SoundPro DL
Device Firmware Rev R.13H
Description Located at north side.

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Rtime	1	00:30:04	LDN	1	68.7 dB
CNEL	1	68.7 dB	Takt	1	61.4 dB
L10	1	61.7 dB	L90	1	51.5 dB
Exchange Rate	1	3 dB	Criterion Level	1	90 dB
Weighting	1	A	Response	1	FAST

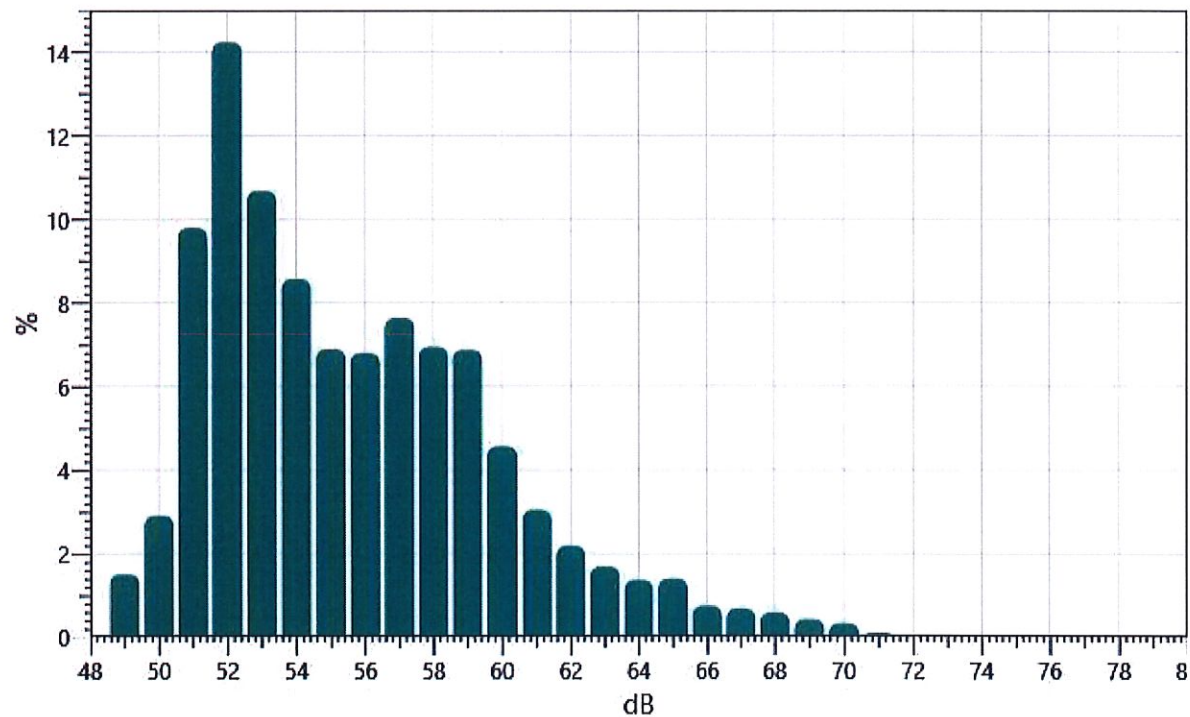
Statistics Table

dB:	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
48:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03
49:	0.04	0.06	0.08	0.10	0.15	0.20	0.19	0.22	0.23	0.23	1.51
50:	0.26	0.27	0.27	0.12	0.32	0.32	0.32	0.31	0.35	0.37	2.91
51:	0.45	0.56	0.70	0.83	0.90	1.08	1.18	1.34	1.35	1.41	9.80
52:	1.43	1.54	1.56	1.48	1.47	1.38	1.34	1.38	1.34	1.33	14.24
53:	1.32	1.37	1.34	0.44	1.08	1.03	1.09	1.05	0.98	0.99	10.69
54:	1.04	0.92	0.88	0.91	0.89	0.90	0.80	0.76	0.72	0.76	8.57
55:	0.82	0.74	0.75	0.72	0.70	0.65	0.65	0.60	0.63	0.62	6.89
56:	0.64	0.66	0.76	0.23	0.69	0.70	0.71	0.78	0.82	0.81	6.80
57:	0.79	0.81	0.78	0.81	0.82	0.80	0.74	0.73	0.72	0.65	7.64
58:	0.64	0.67	0.64	0.58	0.68	0.66	0.78	0.71	0.76	0.84	6.95
59:	0.83	0.87	0.83	0.27	0.72	0.69	0.73	0.70	0.65	0.58	6.87
60:	0.57	0.54	0.47	0.45	0.46	0.43	0.45	0.41	0.42	0.35	4.56

61:	0.36	0.35	0.33	0.27	0.29	0.31	0.27	0.26	0.31	0.28	3.05
62:	0.29	0.27	0.26	0.10	0.23	0.22	0.21	0.19	0.21	0.20	2.18
63:	0.18	0.16	0.15	0.17	0.19	0.17	0.17	0.17	0.16	0.18	1.69
64:	0.14	0.15	0.16	0.13	0.12	0.14	0.12	0.12	0.12	0.15	1.37
65:	0.16	0.16	0.19	0.07	0.14	0.15	0.17	0.13	0.12	0.10	1.39
66:	0.10	0.08	0.08	0.08	0.06	0.07	0.08	0.07	0.06	0.06	0.74
67:	0.05	0.07	0.08	0.08	0.08	0.06	0.07	0.07	0.06	0.07	0.67
68:	0.07	0.07	0.06	0.03	0.03	0.06	0.05	0.07	0.06	0.06	0.58
69:	0.04	0.03	0.04	0.05	0.05	0.06	0.05	0.04	0.03	0.03	0.42
70:	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.03	0.04	0.03	0.32
71:	0.02	0.02	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.10
72:	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
73:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
74:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
76:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Statistics Chart

Monitoring Station #2 - Night Time Period: Statistics Chart

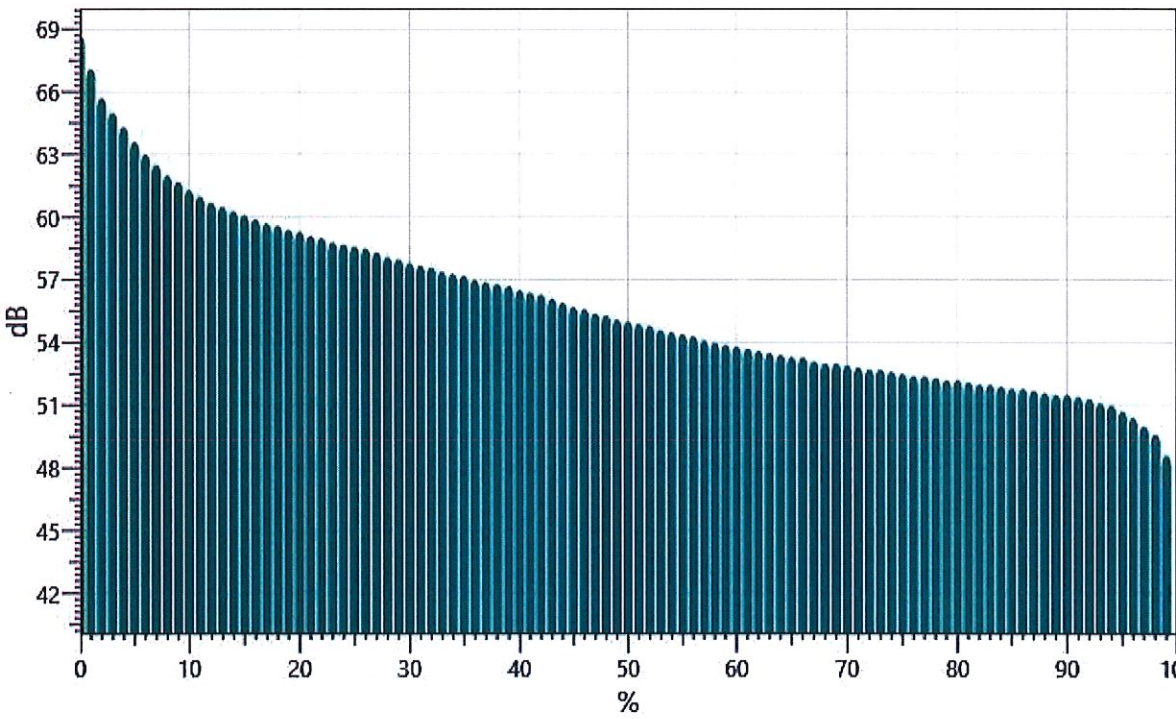


Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	%7	%8	%9
0%:		68.7	67.1	65.7	65.0	64.3	63.6	63.0	62.5	62.0
10%:	61.7	61.3	61.0	60.7	60.5	60.3	60.1	59.9	59.7	59.6
20%:	59.4	59.3	59.1	59.0	58.8	58.7	58.6	58.5	58.3	58.1
30%:	58.0	57.8	57.7	57.6	57.4	57.3	57.2	57.0	56.9	56.8
40%:	56.7	56.5	56.4	56.3	56.1	55.9	55.7	55.6	55.4	55.3
50%:	55.1	55.0	54.9	54.8	54.6	54.5	54.4	54.3	54.1	54.0
60%:	53.9	53.8	53.7	53.6	53.5	53.4	53.3	53.3	53.1	53.0
70%:	53.0	52.9	52.8	52.7	52.7	52.6	52.5	52.4	52.4	52.3
80%:	52.2	52.2	52.1	52.0	52.0	51.9	51.8	51.8	51.7	51.6
90%:	51.5	51.5	51.4	51.3	51.1	51.0	50.7	50.4	50.0	49.6
100%:	48.6									

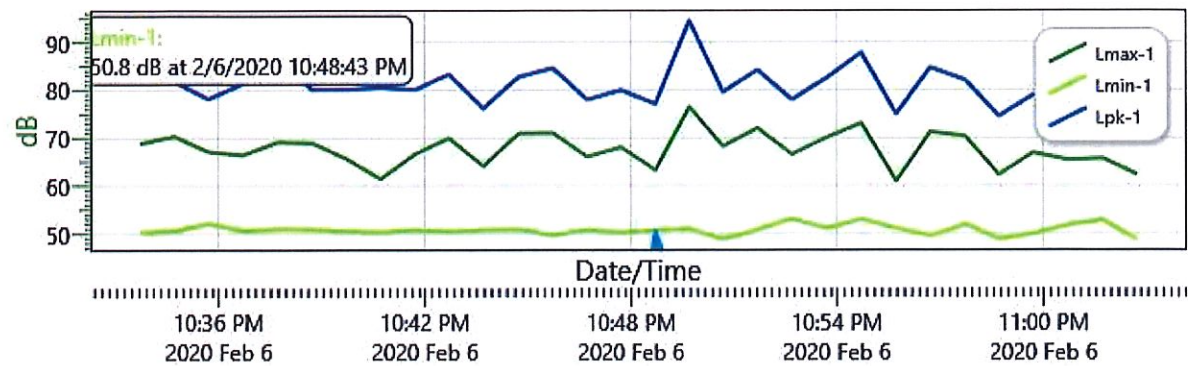
Exceedance Chart

Monitoring Station #2 - Night Time Period: Exceedance Chart



Logged Data Chart

Monitoring Station #2 - Night Time Period: Logged Data Chart



Session Report

2/11/2020

Information Panel

Name	Monitoring Station #3 - Night Time Period
Start Time	2/6/2020 11:03:15 PM
Stop Time	2/6/2020 11:33:20 PM
Run Time	00:30:05
Serial Number	BLL080008
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Description	Located at west side.

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Rtime	1	00:30:05	LDN	1	59.4 dB
CNEL	1	59.4 dB	Takt	1	54.8 dB
L10	1	50.5 dB	L90	1	45.1 dB
Exchange Rate	1	3 dB	Criterion Level	1	90 dB
Weighting	1	A	Response	1	FAST

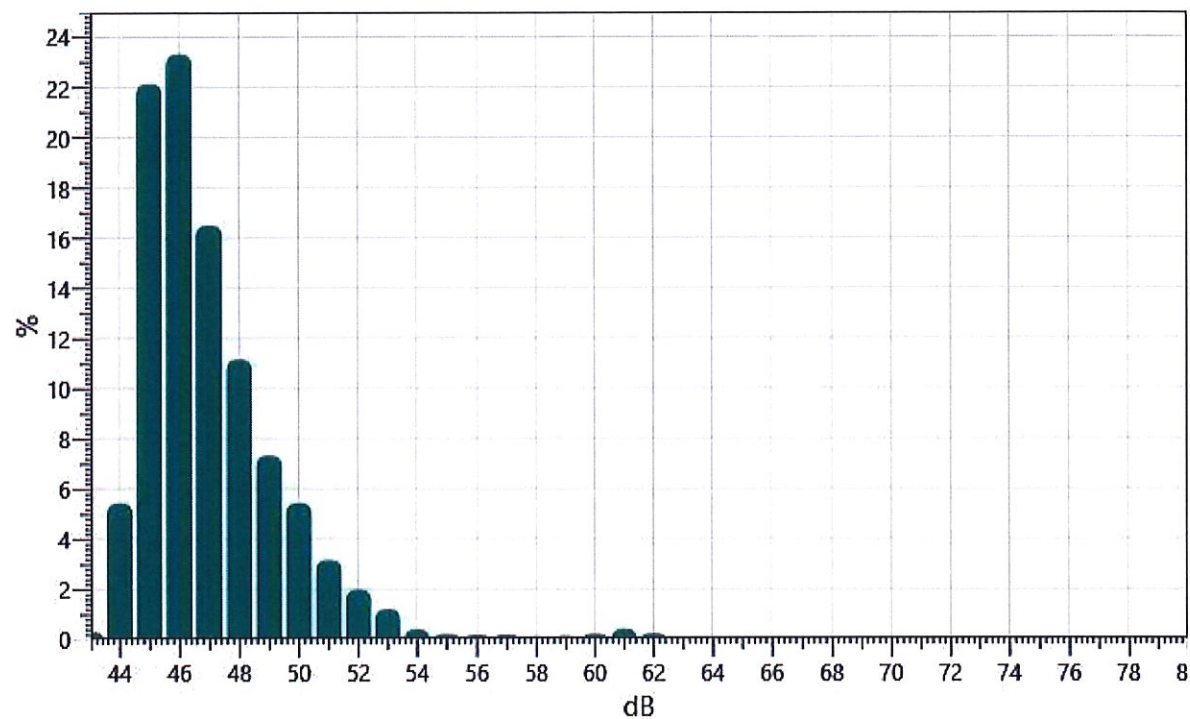
Statistics Table

dB:	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
43:	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.07	0.11	0.30
44:	0.13	0.19	0.14	0.16	0.38	0.51	0.71	0.88	1.05	1.28	5.43
45:	1.60	1.80	1.96	2.14	2.30	2.45	2.45	2.45	2.42	2.57	22.14
46:	2.50	2.44	2.41	2.41	2.32	2.29	2.23	2.35	2.20	2.18	23.32
47:	2.15	2.08	1.54	1.01	1.72	1.79	1.65	1.62	1.47	1.48	16.51
48:	1.44	1.35	1.28	1.23	1.12	1.12	0.97	0.98	0.89	0.78	11.15
49:	0.81	0.84	0.75	0.78	0.71	0.67	0.72	0.70	0.68	0.65	7.32
50:	0.64	0.68	0.54	0.30	0.62	0.62	0.54	0.51	0.50	0.48	5.43
51:	0.39	0.38	0.36	0.35	0.32	0.28	0.29	0.27	0.26	0.25	3.15
52:	0.22	0.20	0.21	0.17	0.17	0.19	0.18	0.20	0.24	0.19	1.97
53:	0.21	0.16	0.16	0.04	0.12	0.15	0.11	0.10	0.08	0.06	1.18
54:	0.05	0.05	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.38
55:	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.20

56:	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.16
57:	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.03	0.02	0.02	0.17
58:	0.02	0.02	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.10
59:	0.01	0.02	0.02	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.12
60:	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.20
61:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.40
62:	0.04	0.04	0.03	0.01	0.03	0.02	0.02	0.01	0.01	0.00	0.22
63:	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.04
64:	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.05
65:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
66:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
67:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
68:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
69:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
70:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Statistics Chart

Monitoring Station #3 - Night Time Period: Statistics Chart

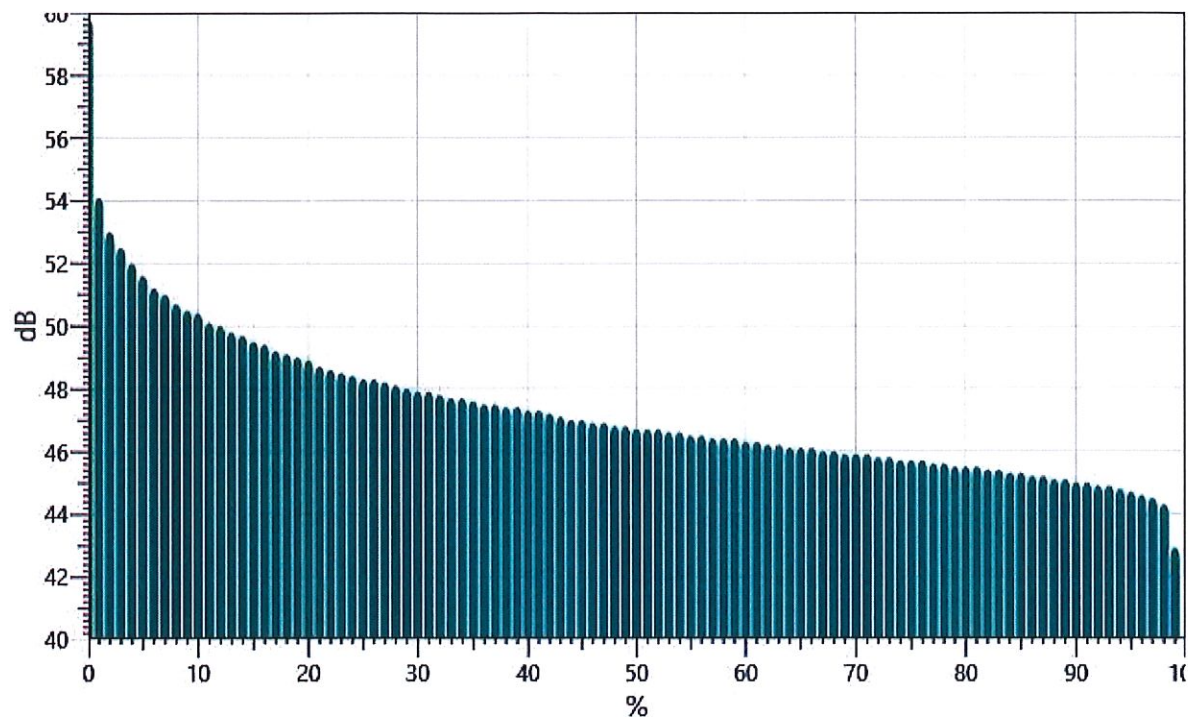


Exceedance Table

	0%	1%	2%	3%	4%	5%	6%	%7	%8	%9
0%:		59.8	54.1	53.0	52.5	52.0	51.6	51.2	51.0	50.7
10%:	50.5	50.4	50.1	50.0	49.8	49.7	49.5	49.4	49.2	49.1
20%:	49.0	48.9	48.7	48.6	48.5	48.4	48.3	48.3	48.2	48.1
30%:	48.0	47.9	47.9	47.8	47.7	47.7	47.6	47.5	47.5	47.4
40%:	47.4	47.3	47.3	47.2	47.1	47.0	47.0	46.9	46.9	46.8
50%:	46.8	46.7	46.7	46.7	46.6	46.6	46.5	46.5	46.4	46.4
60%:	46.4	46.3	46.3	46.2	46.2	46.1	46.1	46.1	46.0	46.0
70%:	45.9	45.9	45.9	45.8	45.8	45.7	45.7	45.7	45.6	45.6
80%:	45.5	45.5	45.5	45.4	45.4	45.3	45.3	45.2	45.2	45.1
90%:	45.1	45.0	45.0	44.9	44.9	44.8	44.7	44.6	44.5	44.3
100%:	42.9									

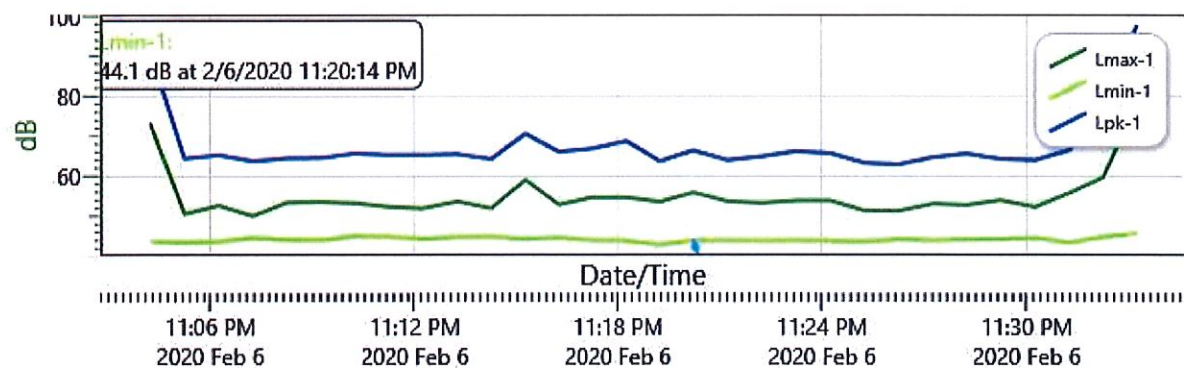
Exceedance Chart

Monitoring Station #3 - Night Time Period: Exceedance Chart



Logged Data Chart

Monitoring Station #3 - Night Time Period: Logged Data Chart



Session Report

2/11/2020

Information Panel

Name	Monitoring Station #4 - Night Time Period
Start Time	2/6/2020 11:33:38 PM
Stop Time	2/7/2020 12:04:02 AM
Run Time	00:30:24
Serial Number	BLL080008
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Description	Located at south side.

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Rtime	1	00:30:24	LDN	1	65.2 dB
CNEL	1	65.2 dB	Takt	1	59.4 dB
L10	1	58.7 dB	L90	1	48.6 dB
Exchange Rate	1	3 dB	Criterion Level	1	90 dB
Weighting	1	A	Response	1	FAST

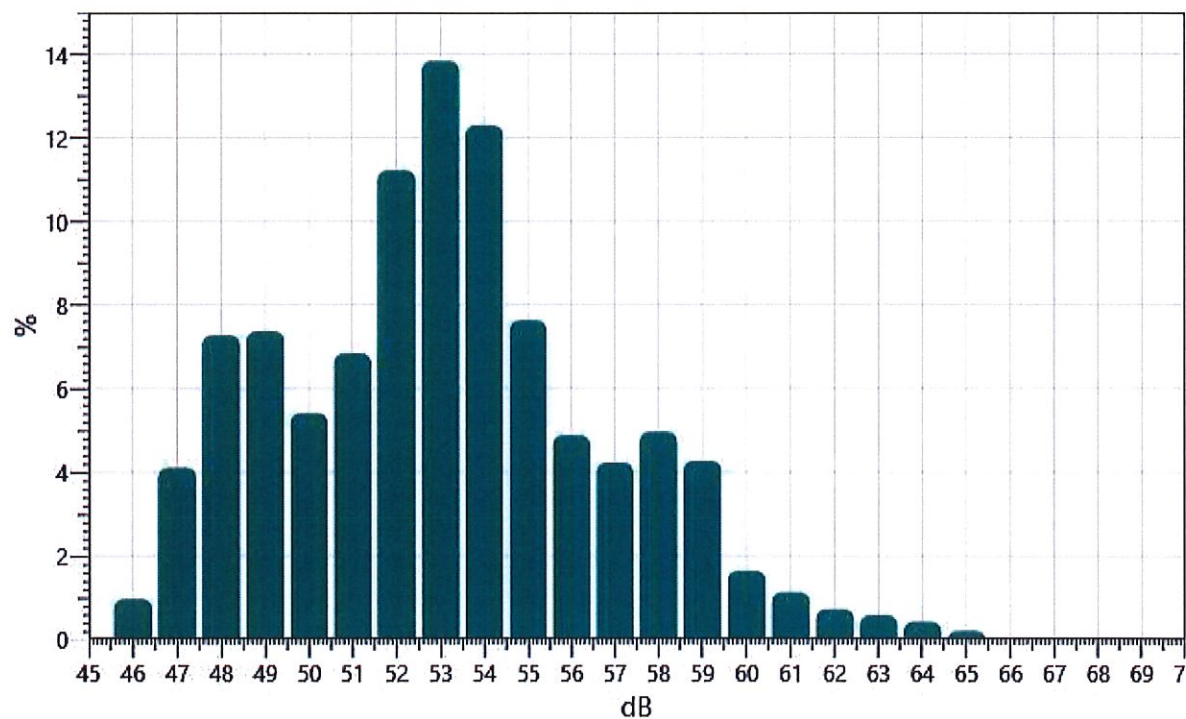
Statistics Table

dB:	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	%
45:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
46:	0.03	0.03	0.03	0.04	0.07	0.10	0.12	0.14	0.21	0.22	0.97
47:	0.27	0.29	0.27	0.18	0.39	0.46	0.51	0.51	0.61	0.62	4.11
48:	0.62	0.64	0.67	0.73	0.75	0.75	0.73	0.77	0.78	0.84	7.27
49:	0.87	0.80	0.81	0.75	0.78	0.71	0.66	0.66	0.68	0.64	7.37
50:	0.65	0.63	0.59	0.25	0.55	0.56	0.54	0.54	0.53	0.57	5.41
51:	0.55	0.56	0.60	0.60	0.68	0.69	0.75	0.78	0.78	0.85	6.84
52:	0.87	0.94	1.01	1.07	1.15	1.16	1.15	1.22	1.30	1.35	11.22
53:	1.37	1.52	1.52	0.56	1.50	1.44	1.49	1.49	1.54	1.43	13.84
54:	1.45	1.40	1.34	1.32	1.30	1.24	1.15	1.14	0.99	0.96	12.30
55:	0.84	0.85	0.80	0.80	0.79	0.80	0.74	0.72	0.66	0.63	7.63
56:	0.56	0.55	0.51	0.16	0.55	0.51	0.51	0.52	0.52	0.48	4.88
57:	0.41	0.45	0.39	0.41	0.43	0.40	0.41	0.43	0.45	0.44	4.22

58:	0.42	0.44	0.47	0.47	0.48	0.51	0.47	0.54	0.59	0.57	4.96
59:	0.64	0.61	0.62	0.20	0.48	0.44	0.41	0.34	0.30	0.22	4.27
60:	0.22	0.20	0.18	0.18	0.14	0.15	0.13	0.14	0.16	0.13	1.64
61:	0.14	0.14	0.13	0.14	0.11	0.11	0.09	0.09	0.10	0.08	1.13
62:	0.10	0.08	0.09	0.02	0.06	0.07	0.09	0.07	0.07	0.08	0.72
63:	0.07	0.07	0.05	0.07	0.05	0.06	0.06	0.05	0.04	0.05	0.58
64:	0.04	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.43
65:	0.04	0.03	0.03	0.01	0.02	0.03	0.02	0.02	0.01	0.00	0.21
66:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Statistics Chart

Monitoring Station #4 - Night Time Period: Statistics Chart



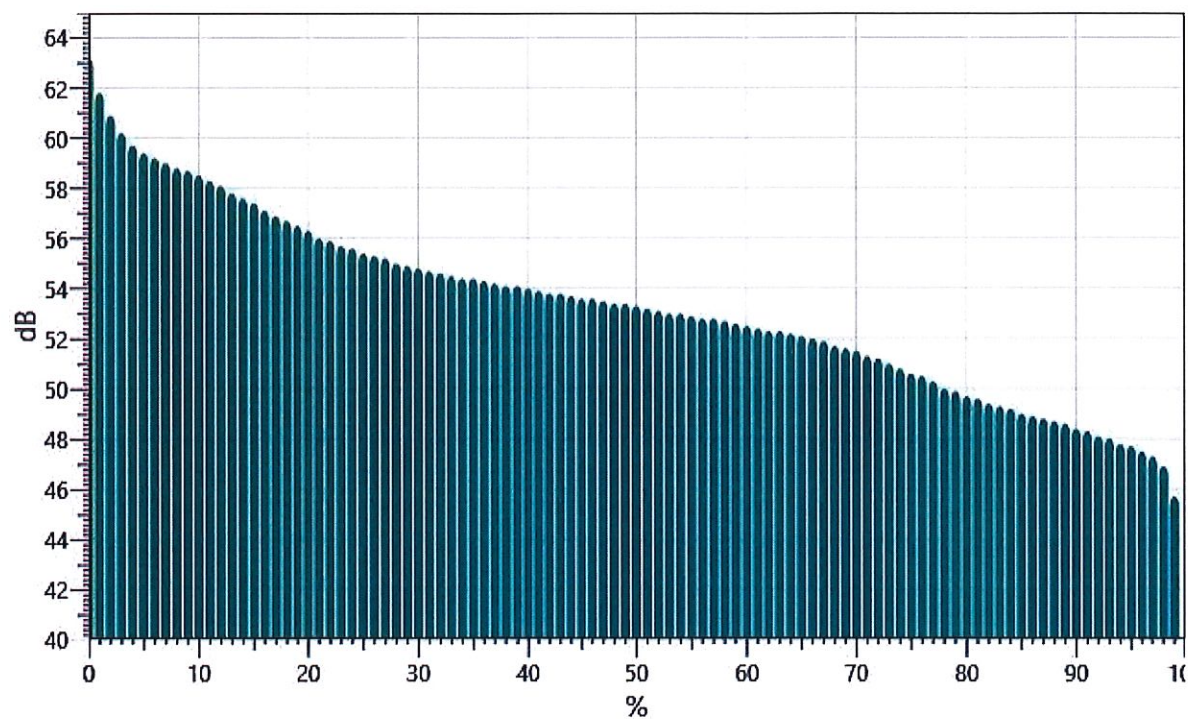
Exceedance Table

.	0%	1%	2%	3%	4%	5%	6%	%7	%8	%9
0%:		63.2	61.8	60.9	60.2	59.7	59.4	59.2	59.0	58.8
10%:	58.7	58.5	58.3	58.1	57.8	57.6	57.4	57.1	56.9	56.7
20%:	56.5	56.3	56.0	55.9	55.7	55.6	55.4	55.3	55.2	55.0
30%:	54.9	54.8	54.7	54.6	54.5	54.4	54.4	54.3	54.2	54.1
40%:	54.1	54.0	53.9	53.8	53.8	53.7	53.6	53.6	53.5	53.4
50%:	53.4	53.3	53.2	53.1	53.0	53.0	52.9	52.8	52.8	52.7

60%:	52.6	52.5	52.4	52.3	52.3	52.2	52.1	52.0	51.9	51.7
70%:	51.6	51.5	51.3	51.2	51.0	50.8	50.6	50.5	50.3	50.0
80%:	49.9	49.7	49.6	49.4	49.3	49.2	49.0	48.9	48.8	48.7
90%:	48.6	48.4	48.3	48.1	48.0	47.8	47.7	47.5	47.3	46.9
100%:	45.7									

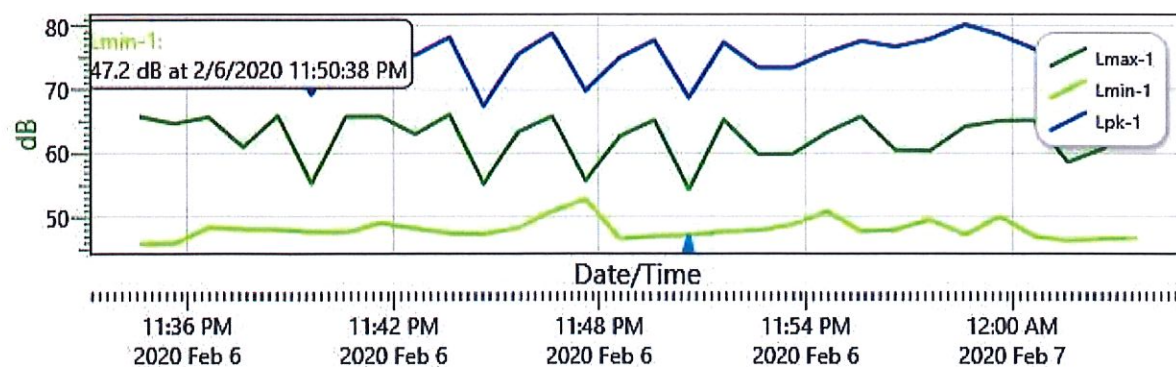
Exceedance Chart

Monitoring Station #4 - Night Time Period: Exceedance Chart



Logged Data Chart

Monitoring Station #4 - Night Time Period: Logged Data Chart



APPENDIX 4: FIELD NOTES

Noise Survey Field Notes Form

Project Name: "Centro Metropolitano de Servicios Comunitarios, Inc."

Project Location: PR-21 Km 2.9 Lote B, Bo. Monacillos, San Juan, P.R.

Calibrator Serial Number: AC300005091

Calibration Value: 114 dB

Equipment Serial Number: BLL080008 - Meter #1

Daytime Measures

Monitoring Station (MS)	Location	Comments
1	East side	start 7:43pm
2	North side	start 8:15pm → 8:41pm ambulancia toma a lla.
3	West side	start 8:50pm → 8:52pm barrancho Fuerte Hospital Veteranos
4	South side	start 9:25pm → 9:40pm barrancho Fuerte Hospital Veteranos

Nighttime Measures

Monitoring Station (MS)	Location	Comments
1	East side	start 10:02pm → 10:08pm barrancho Fuerte Hospital Veteranos
2	North side	start 10:32pm
3	West side	start 11:03pm
4	South side	start 11:33pm 11:35- barrancho Veteranos 11:53pm "

Notes:

*Take photos by monitoring station

Weather: No rain events

Traffic: Low Traffic.

Adjacent roads or street: PR-21

Other surroundings noise: Barrancho Fuerte - Hospital Veteranos.

Others: actividades de construcción cercas del área de medición.
Se entiende puede ser en el Hospital de Veteranos.

Handwritten signature
10/06/2020

Handwritten signature
Janice Costas

Exhibit P



LOCATION MAP
SCALE: N.T.S.

SURVEYOR'S NOTE:

1. THE HORIZONTAL CONTROL USED ON THIS PLAN ARE P.R. LAMBERT NAD 83 REV.2011 AND ELEV. ARE REFERRED TO ORTHOMETRIC HEIGHT (OCEO 12A).
2. ALL HORIZONTAL MEASUREMENTS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
3. LAMBERT SYSTEM WAS ESTABLISHED BY GPS OBSERVATIONS USING TRIMBLE RS DOUBLE FREQUENCY RECEIVERS.

SURVEYOR'S CERTIFICATION:

I, THE SIGNING PROPERTY IS A GAS STATION, AUTO REPAIR SHOP, PAINT SHOP, FIRE SHOP, WOODWORKING SHOP OR UNABATED NUISANCE AS DECLARED BY THE MUNICIPALITY (ITEM 1.3).

UNDESIRABLE ACTIVITIES (1.3)		
LOCATION	NAME	DISTANCE
INDUSTRIAL SITE	SUZA DAIRY CORP.	WITHIN 10 MILE RADIUS



PO BOX 2075, AIBONITO, P.R., 00705
TEL. / FAX (787) 746-5039

PROJECT:

WALKABLE DISTANCE MEASUREMENT
UNDESIRABLE ACTIVITIES 1.3
FOR
CASA METROPOLITANA 2
STATE ROAD PR-21, KM. 2.6,
MONACILLOS WARD, SAN JUAN, PUERTO RICO

CERTIFY CORRECT



FERNANDO SANTIAGO, P.L.S.,
LIC. NO. 17316

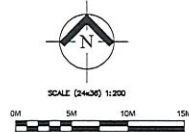
FERNANDO
I am the author
of this document
2020-10-22
09:16-04:00

REVISIONS:

DATE	BY	DATE	BY
2020/10/20	EROSADO	2020/10/20	F. SANTIAGO
			N.T.S.
SHEET NO.	1	SHEET NO.	1
			TOTAL SHEETS

Exhibit Q

ALTA/NSPS Land Title Survey
CASA METRO 2
 LOCATED AT STATE ROAD PR-21, KM. 2.7,
 MONACILLOS WARD, SAN JUAN, PUERTO RICO



SURVEYOR'S CERTIFICATION:

To, and their respective successors and assigns:

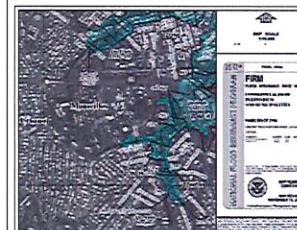
1. This is to certify that the map or plan and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
2. The survey correctly shows the location of all buildings, structures and other improvements situated on the Property.
3. Except as shown, all utilities serving the Property enter through adjoining public streets and/or easements of record; that, except as shown, there are no visible easements or rights of way across said Property that the Property is the same as the Property described in [The Company] Commitment No. [] with an effective date of [] and that all easements, covenants and restrictions referenced in said title commitment, or easements of which the undersigned has been advised or has knowledge, have been properly shown or otherwise noted as to their effect on the Property.
4. Except as shown, there are no encroachments onto adjoining premises, streets or alleys by any buildings, structures or other improvements, and no encroachments onto said Property by buildings, structures or other improvements situated on adjoining premises.
5. The Property is located within an area having a Zone Designation X by the Secretary of Housing and Urban Development, on Flood Insurance Rate Map No. 720500, with a date of identification of November 18, 2005, for Community Number 03651, in San Juan, PR, which is the current Flood Insurance Rate Map for the community in which the Property is situated.
6. The Property has direct physical access to existing access road, a public, dedicated street.
7. The Property complies a tax lot number 056-027-057-03.
8. The number of striped parking spaces located on the Property is 40 (including 2 handicapped spaces), and to the extent possible, are graphically shown herein.

Fernando Santiago, P.L.S., (Lic. Number PR) 17,316
 Date:

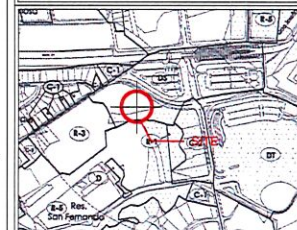
"ZONING INFORMATION"
 ZONING DESIGNATION: DS (DESARROLLO SELECTIVO) from Approved Construction Permit #

Parameter	By Zone*	Existing
Max. Height	12 meters	N/A
Parking Spaces	UNKNOW	40 Spaces
Regular's Handicap	Not specified	2 Spaces

Setbacks:
 Frontal: N/A
 Rear: N/A
 Side: N/A
 Occupied Area: 30%
 *Information obtained from proposed Permit files.



FIRM MAP (FROM FIRM MAP) N.T.S.
 MAP: 72050003651
 EFFECTIVE DATE: NOVEMBER 18, 2005



ZONING MAP N.T.S.
 MAP OF CAUTEDAO MUNICIPIO DE SAN JUAN, INC. 107
 DATE: 22

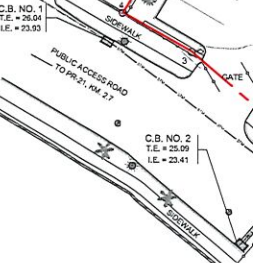


CRIM MAP N.T.S.



USGS TOPOGRAPHIC QUADRANGLE
 SCALE: N.T.S.

- LEGEND:**
- △ CONTROL STATION
 - PROPERTY POINT
 - SANITARY SEWER
 - SANITARY CLEAN OUT
 - FIRE HYDRANT
 - CURB INLET
 - PUBLIC TELEPHONE
 - TRAFFIC LIGHT BOX
 - CABLE TV BOX
 - SIGN
 - GUY CABLE
 - EXISTING TREE
 - EXISTING PALM TREE
 - TELEPHONE POLE
 - BUS STOP
 - CONCRETE GUTTER
 - CENTER LINE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - TELEPHONE LINE
 - POWER LINE
 - CHAIN LINK FENCE
 - CHAIN LINK FENCE WITH CONC. BASE
 - WOODEN POWER POLE
 - TRAFFIC LIGHT POLE
 - KM 0
 - SANITARY CLEAN OUT
 - FIRE HYDRANT
 - CURB INLET
 - PUBLIC TELEPHONE
 - TRAFFIC LIGHT BOX
 - CABLE TV BOX
 - SIGN
 - GUY CABLE
 - EXISTING TREE
 - EXISTING PALM TREE
 - TELEPHONE POLE
 - BUS STOP
 - CONCRETE GUTTER
 - CENTER LINE
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - TELEPHONE LINE
 - POWER LINE
 - CHAIN LINK FENCE
 - CHAIN LINK FENCE WITH CONC. BASE



BOUNDARY DATA

Station	North	East	Distance	Bearing
1	261811.25	258577.61	22.93	88.2
2	261811.25	258577.61	22.93	88.2
3	261811.25	258577.61	22.93	88.2
4	261811.25	258577.61	22.93	88.2
5	261811.25	258577.61	22.93	88.2
6	261811.25	258577.61	22.93	88.2
7	261811.25	258577.61	22.93	88.2
8	261811.25	258577.61	22.93	88.2
9	261811.25	258577.61	22.93	88.2
10	261811.25	258577.61	22.93	88.2
11	261811.25	258577.61	22.93	88.2
12	261811.25	258577.61	22.93	88.2
13	261811.25	258577.61	22.93	88.2
14	261811.25	258577.61	22.93	88.2
15	261811.25	258577.61	22.93	88.2
16	261811.25	258577.61	22.93	88.2
17	261811.25	258577.61	22.93	88.2
18	261811.25	258577.61	22.93	88.2
19	261811.25	258577.61	22.93	88.2
20	261811.25	258577.61	22.93	88.2
21	261811.25	258577.61	22.93	88.2
22	261811.25	258577.61	22.93	88.2
23	261811.25	258577.61	22.93	88.2
24	261811.25	258577.61	22.93	88.2
25	261811.25	258577.61	22.93	88.2
26	261811.25	258577.61	22.93	88.2
27	261811.25	258577.61	22.93	88.2
28	261811.25	258577.61	22.93	88.2
29	261811.25	258577.61	22.93	88.2
30	261811.25	258577.61	22.93	88.2
31	261811.25	258577.61	22.93	88.2
32	261811.25	258577.61	22.93	88.2
33	261811.25	258577.61	22.93	88.2
34	261811.25	258577.61	22.93	88.2
35	261811.25	258577.61	22.93	88.2
36	261811.25	258577.61	22.93	88.2
37	261811.25	258577.61	22.93	88.2
38	261811.25	258577.61	22.93	88.2
39	261811.25	258577.61	22.93	88.2
40	261811.25	258577.61	22.93	88.2



PREPARED BY:

fss LAND SURVEYORS & CONSULTANTS

PO BOX 2075, ABOUNTO, P.R., 00705
 TEL / FAX (787) 746-5039

CLIENT NAME:

EcoBuilders LLC

PROJECT:

ALTA/NSPS LAND TITLE SURVEY
 LOCATED AT
 STATE ROAD PR-2, KM. 2.7,
 MONACILLOS WARD, SAN JUAN, PUERTO RICO

PROFESSIONAL STAMP

SKINATURE BLOCK

REVISIONS:

NO.	DATE	BY	REVISION
1	JULY 20/2019	F. SANTIAGO	AS SHOWN

SHEET NO. 1
TOTAL SHEETS 1

Exhibit R

CM2-SJU

Distance From The Project to SJU Airport

Legend

- Beach
- Castillo San Felipe del Morro
- Centro Médico de Puerto Rico
- CULEBRA NATIONAL WILDLIFE REFUGE
- Feature 1
- Golf Range San Juan
- Hacienda Campo Rico
- Jardín Botánico de la UPR
- José Miguel Agrelot Coliseum of Puerto Rico
- La Muralla
- Luis Muñoz Marín International Airport
- Museo del Niño de Carolina
- Plaza

Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

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Data SIO, NOAA, U.S. Navy, NGA, GEBCO



3 mi

Palo Seco, Toa Baja, Puerto Rico

Castillo San Felipe del Morro

Beach

Castillo San Felipe del Morro

Centro Médico de Puerto Rico

CULEBRA NATIONAL WILDLIFE REFUGE

Feature 1

Golf Range San Juan

Hacienda Campo Rico

Jardín Botánico de la UPR

José Miguel Agrelot Coliseum of Puerto Rico

La Muralla

Luis Muñoz Marín International Airport

Museo del Niño de Carolina

Plaza

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2 mi