



Environmental Assessment

Determinations and Compliance Findings for HUD-assisted Projects

24 CFR Part 58

Project Information

Project Name: Lote B, Guayama - Monserrate Apartments

Project ID: PR-SIH-00029B #02

Responsible Entity: Puerto Rico Department of Housing

Grant Recipient (if different than Responsible Entity):

State/Local Identifier: Puerto Rico/ Municipio de Guayama

Preparer: Jose L Lugo Muñoz

Certifying Officer Name and Title: Ivelisse Lorenzo Torres, Permits and Environmental Compliance Specialist

Consultant (if applicable): Not applicable

Direct Comments to: Jose L. Lugo Muñoz

Project Location: Street Monserrate No. 47

Latitude: 17.98708557, Longitude: -66.11637632

No. Catastro: 420-032-056-06

Address: Street Monserrate No. 45

Latitude: 17.98699467, Longitude: -66.11637820

No. Catastro: 420-032-056-07

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

Ponce Neighborhood Housing Services, under the CDBG-DR Social Interest Housing Program (SIH), proposes the purchase of a 339.17 SQUARE METER land and the development of a new housing project within the historic district of the Municipality of Guayama. Construction will take place on land lots that previously housed residences and currently the lots are clean and free of structures.

The use of the structure will be housing and it is contemplated from two (2) to four (4) people in occupation per apartment. The development is one (1) building with two (2) levels and two (2) apartments per level. Each apartment has two (2) bedrooms, one (1) bathroom, living room, kitchen, laundry and balcony. The housing area is 775 SQFT (Square Feet) and a balcony area of 58 SQFT (Square Feet), for a total construction area per apartment of 833.00 SQFT (Square Feet). The building has two apartments per level of 833.00 SQFT (Square Feet) each, a warehouse and stair area of 158.50 SQFT (Square Feet), the total area of the building per level is 1,824.50 Square Feet. Equipment is not contemplated, solar heater and solar system installations will be left. It is not contemplated to install electric generator.



The program consists of providing temporary housing at affordable costs that allows families to organize their finances so that, in a reasonable time, they can acquire a permanent home.

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

Ponce Neighborhood Housing Services is dedicated to serving low-income communities in the southern and central areas of Puerto Rico. Throughout the passage of hurricanes, Irma and Maria we as an organization continued providing critical assistance to these communities. In that process, we received feedback from the people in these communities that there was a huge need for safe and affordable housing. The purpose of our Social Interest Housing projects considered herein is to help restore Puerto Rican affordable housing inventory and their functions to meet the post-disaster needs of the communities we serve and increase their resiliency of them in response to future disaster events. Under the CDBG-DR funds, HUD authority to provide grant funding to eligible sub-recipients for cost-effective actions that have the purpose of reducing or eliminating the scarcity of affordable housing in the disaster-affected regions. Under the no-action alternative, HUD will not provide grant funding for permanent work including the construction of affordable housing in Puerto Rico. Due to budgetary constraints within Puerto Rico, HUD anticipates that much of the public facility work may go unfunded or deferred indefinitely. Deferred or unfunded affordable housing projects will likely impact the efficiency and resiliency of Puerto Rico's communities and municipalities which will impact Puerto Rican residents. Low inventory of safe and affordable housing still in place following disaster events is likely to remain in its current condition. Actions under alternative two will involve repairing old existing housing to their pre-disaster function as well as improving their resiliency to future disaster events. Affordable housing will maintain their same location within the same communities. However, for these existing housing facilities, alternative two allows a minor expansion of facility function, capacity, and density of up to 20% based on post-disaster needs such as population trends. If HUD reviews a project containing repair or construction of housing situated within a floodway or coastal high-hazard zone that proposed action may undergo rejection of this ERR. As alternative number three, If a housing facility is eligible for replacement, the sub recipient may construct a new facility meeting current building codes and standards. This alternative includes demolition and rebuilding of all the facilities on the same property, except if the site is in a floodway or coastal high-hazard zone. However, public facilities may undergo relocation if they receive substantial damage and are within the 100-year floodplain unless no practicable alternate location exists. The following agencies or persons consulted for the determinations stated herein were, the Office for Urban Development from the municipality, the Director of Planification and Economic Development, the resident Architect for the Instituto de Cultura Puertorriqueña and personel from Oficina de Gerencia y Permisos (OGPE).

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

At the moment the lot is empty without any structure left standing on it, otherwise, the parcel is covered with vegetation. The lot is located in an urban zone that has all the needed infrastructure to develop the project.

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-72-0001 B-17-DM-72-0001	CDBG-DR SIH	\$29,352,203.00

Estimated Total HUD Funded Amount:

The estimated total HUD funded amount is: \$451,436.67

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]:

The estimated cost of the project is: \$611,686.48

Compliance with 24 CFR 58.5 and 58.6 Laws and Authorities

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

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project consists of the acquisition of lots for the construction of a two-level structure and will consist of two apartments per level and will be four apartments in total have no impact on any airport. The project is not within 15,000 feet of a military airport (169,128 feet) or 2,500 feet of a civilian airport (155,759 feet). Therefore, it is in compliance with HUD's Airport Hazard regulations. Refer to Figure 1: Airport Hazards Map.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	This project is not located in a CBRS Unit. The project is located 19,722 feet northeast of the nearest CBRS. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act. Refer to Figure 2: Coastal Barrier Resources Map.

<p>Flood Insurance</p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project site is located in a Zone X, Panel 72000C2130J, 11/18/2009. The project does not require flood insurance or is excepted from flood insurance.</p> <p>Refer to Figure 3: Flood Insurance Map.</p>
<p>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 58.5</p>		
<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the acquisition of a lot for the construction of a two-level structure and will consist of two apartments per level and will be four apartments in total for a residential location. The construction and operation of this project will not have impact and complies with the Clean Air Act without further evaluation. The project is not located in a non-attainment municipality of Puerto Rico (Arecibo, Bayamón, Cataño, Guaynabo, Salinas, San Juan, Toa Baja).</p> <p>Refer to Appendix A: EPA published list of Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants: https://www3.epa.gov/airquality/greenbook/anayo_pr.html</p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project is located 11,100 feet from the nearest Coastal Zone Management area and does not affect a Coastal Zone as defined in the state Coastal Management Plan. The project is in compliance with the Coastal Zone Management Act.</p> <p>Refer to Figure 4: Coastal Zone Management map.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 58.5(i)(2)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project consists of the acquisition of a 339.17 SQUARE METER lot for the construction of a two-level structure and will consist of two apartments per level and will be four apartments. There are 5 hazardous waste sites and 2 water discharge sites within 3,000 feet with the closest site.</p> <p>PRASA GUAYAMA MICROBIOLOGICAL LAB - RCRA (Source ID: PRD987378312) – No Violation Identified, no impact.</p> <p>KMART #3853R - RCRA (Source ID: PRR000007641) – No Violation Identified, no impact.</p> <p>SHELL CO PR LTD SS 2852 JOBOS, RCRA (Source ID: PRR000005041) – No Violation Identified, no impact.</p>

		<p>PONTIFICIA UNIVERSIDAD CATOLICA, RCRA (Source ID: PR0000930487) – No Violation Identified, no impact.</p> <p>PUCPR GUAYAMA CENTER, RCRA (Source ID: PRD987381514) – No Violation Identified, no impact.</p> <p>MUNICIPALITY OF GUAYAMA - CWA (Source ID: PRR040061) – No Violation Identified, no impact.</p> <p>PRASA WTP GUAYAMA FILTER PLANT - CWA (Source ID: PR0022578) – Violation Identified. The agency is required by law to comply with all the parameters of the "Clean Water Act"</p> <p>There are no facilities within a 500 ft radius.</p> <p>The Puerto Rico Aqueduct and Sewer Authority operates the drinking water filtration plant.</p> <p>Wastewater is discharged through the collective sanitary sewer system, which is operated by the Puerto Rico Aqueduct and Sewer Authority.</p> <p>Refer to Figure 5 and 5A: Contamination and Toxic Substances map.</p> <p>Also, refer to Appendix B: Contamination and Toxic Substances, ECHO Facility Reports.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project and the proposed activity have no effect on the listed species due to the nature of the sector, which is urban and the distance to the closest habitat is 12,863 LNFT, according to ARCGIS Maps.</p> <p>In addition, the project does not have critical habitats in the area. This project is in compliance with the Endangered Convention Species Law.</p> <p>If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the CM shall contact the PR Department of Natural and Environmental Resources and ask for them to relocate the Boa. As established by the USFWS Puerto Rican Boa Conservation Measures guideline. https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf</p> <p>Refer to Figure 6: Endangered Species Map.</p>
<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The only Gas stations less than a mile away from the project site, are operating and with Underground Storage Tanks (UST). There are no Explosive and Flammable Hazards within 1 mile of distance from the project with Aboveground Storage Tanks (AST).</p>

		<p>Therefore, it is in compliance with HUD Explosive and Flammable Hazards regulations.</p> <p>Refer to Figure 7: Explosive and Flammable Hazards Map.</p>
<p>Farmlands Protection</p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project does not include any activities that could potentially convert agricultural land to non-agricultural use. The project is in compliance with the Farmland Protection Policy Act. The site is located 2,317 LNFT from the nearest Farmlands.</p> <p>Refer to Figure 8: Farmlands Protection Map.</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is not located in an Advisory Base Flood Elevation flood zone.</p> <p>Refer to Figure 9: Advisory Base Flood Elevation Map.</p>
<p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Concurrence to No Adverse Effect for these undertakings, conditioned to archaeological monitoring during ground disturbing activities to be implemented based on the submitted customized archaeological monitoring plans that have been approved by SHPO. It is inside the traditional urban center and historic zone.</p> <p>See the attached Appendix C: SHPO Consultation Package.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the Noise (EA level reviews), the potential noise generators:</p> <p>a. Up to 1000' from a major road – in this case 845', Road No. PR-3.</p> <p>b. Up to 3000' from a railroad – in this case 146,825', Tren Urbano.</p> <p>c. Up to 15 miles from an airport – in this case 31.7 miles, Luis Munoz Marin International Airport: ADT = 153.</p> <p>By distance we must review and quantify the major roads, according to HUD's DNL Calculator. The noise level gave a result of 57 which is acceptable according to the guidelines.</p> <p>Refer to Figure 10 and Appendix D: Noise Abatement, Control Map, and report.</p>
<p>Sole Source Aquifers</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no sole source aquifers in Puerto Rico. The project is in compliance with this citation without further evaluation.</p>

Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149		
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	There are no wetlands within or in the vicinity of the project area. The project is in compliance with Executive Order 11990. The closest wetlands is located at a distance of 700 LNFT. Refer to Figure 11: Wetlands Protection Map.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The nearest Wild and Scenic River is 147,052 feet east of the project site. Therefore, this topic is in compliance with the citation. Refer to Figure 12: Wild and Scenic Rivers Map.
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on the scope of work for this project, there will be a positive impact on low-income and minority residents. The intent of the project is to provide safe and affordable housing for precisely the low-income, minority and disadvantaged populations of the municipality. There were no findings in this review that would indicate an adverse impact on sensitive populations.

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

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

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The proposed action is to develop Social Interest Housing which is compatible with existing land use. There is a design that has been approved by the municipality as being in harmony with the area zoning/scale and urban design. Historic Zone, (R-U: RESIDENCIAL URBANO)
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The soil is stable with no slopes, erosion and with proper drainage and storm water runoff systems. Site is located on urban flat lands with no probability of landslide. Refer to Figure 13: Landslide Susceptibility Map.
Hazards and Nuisances including Site Safety and Noise	2	There are no specific environmental hazards that have been identified for this site. The site is not in a high Noise Level area, nor will the project generate any additional noise. The project is located in a low population density area.
Energy Consumption	2	The proposed project already has the required energy infrastructure needed for its development as it is a residential area. Therefore, it should not trigger any significant changes to the current energy infrastructure.
Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	The economic component of the project is under the assumption that due to the repopulation of the area, an increase in the flow of people will promote potential business transactions such as more demand for goods and services within the area.

Demographic Character Changes, Displacement	1	The proposed project is anticipated to have a positive impact on the surrounding areas as it will bring an influx of new residents who will populate and other wise unpopulated area of the municipality.
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Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The proposed project will have no impact on educational or cultural facilities.
Commercial Facilities	2	The proposed project may aid in restoring the demand for local commercial services; however, not to the point of putting undue pressure on commercial facilities.
Health Care and Social Services	2	The proposed project will have no significant impact on Health Care and Social Services.
Solid Waste Disposal / Recycling	3	The proposed project will create new customers to the municipal waste Disposal Services. The municipality will plan and include accordingly these new customers so their impact will be minimized.
Wastewater / Sanitary Sewers	2	The proposed project already has the required Wastewater/Sanitary Sewers infrastructure needed for its development.
Water Supply	2	The proposed project already has the required Water Supply infrastructure needed for its development.
Public Safety - Police, Fire and Emergency Medical	2	The proposed project will have no impact on Public Safety.
Parks, Open Space and Recreation	2	The proposed project will have no impact to Parks, Open Space and Recreation. The property being used is for residential use and will continue to be as for residential use.

Transportation and Accessibility	2	<p>The impact on transportation is considered minimal due to the fact that this area is an urban area that was previously populated and therefore road infrastructure was already in place considering the accessibility to the area.</p> <p>As design requirements, in the Historic Zone, (R-U: URBAN RESIDENTIAL), as established by the Puerto Rico Planning Board and required by the Puerto Rico Institute of Culture, the building must be built without front patios, attached to sidewalk and parking spaces are not required.</p> <p>The space for garbage containers (drones) are located at the back of the project, it is illustrated in the conceptual design included in this report, page 92.</p>
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Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The proposed project will be situated on previous Residential property and will have no impact to unique natural features or water resources.
Vegetation, Wildlife	2	The proposed project will occur in land previously used for housing purposes and will continue in that capacity. There will be no negative impact on wildlife. An analysis will be made of the type and size of the secondary vegetation that has grown on the lot and request permission to remove the vegetation from DNER, if necessary.
Other Factors -Climate Change	2	There will be no impact on Climate Change.

Additional Studies Performed: Not applicable.

Field Inspection (Date and completed by):

Date	Comments
07/21/2022	Site Visit – by Jose L. Lugo
07/29/2022	Survey Work – by Jose L. Lugo
10/14/2022	Site Visit Photos – by Exel Vargas / Jose L. Lugo

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

FAA, National Plan for Integrated Airport Systems:

www.faa.gov/airports/planning_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf

John H. Chafee Coastal Barrier Resources System, Puerto Rico map.

www.fws.gov/CBRA/Maps/Locator/PR.pdf

National Park Service, National Registry of Natural Landmarks.

www.nature.nps.gov/nnl/docs/NNLRegistry.pdf

US Fish and Wildlife Service, Wild and Scenic Rivers – correspondence to Agency on October 16, 2018

National Wild and Scenic Rivers System: www.rivers.gov/puerto-rico.php

Puerto Rico Community Development Block Grant Disaster Recovery Action Plan, July 2018. www.cdbg-dr.pr.gov/en/action-plan/

Programmatic Agreement among the Federal Emergency Management Agency, the Puerto Rico State Historic Preservation Office and the Central Office for Recovery, Reconstruction and Resilience – amended to include the Puerto Rico Department of Housing. (Appendix F)

Sierra Research for Office of Mobile Sources. US Environmental Protection Agency. Report No. SR93-03-02, Evaluation of Methodologies to Estimate Nonroad Mobile Source Usage, March 19, 1993: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=9100UR51.txt>

US Environmental Protection Agency, National Ambient Air Quality Standards, Nonattainment Areas for Criteria Pollutants (Green Book):

www3.epa.gov/airquality/greenbook/anayo_pr.html

US EPA, Environmental Topics, Air Topics: www.epa.gov/environmental-topics/air-topics

US Fish and Wildlife Service, Environmental Conservation Online System:

<https://ecos.fws.gov/ecp0/reports/species-listed-by-state-report?state=PR&status=listed>

Federal Emergency Management Agency, Flood Mapping Service:

<https://msc.fema.gov/portal/home> (compilation of numerous maps)

Puerto Rico Planning Board, Communication regarding Floodplain Management, November 29, 2018.

US Fish and Wildlife Service, National Wetlands Inventory:

www.fws.gov/wetlands/data/mapper.html (compilation of numerous maps)

US Army Corps of Engineers, Jacksonville District, Antilles Section, Communication regarding Wetlands Management, November 13, 2018.

Puerto Rico Coastal Zone Management Program Plan, September 2009.

Puerto Rico Planning Board, Communication regarding Coastal Zone Management, November 16, 2018 (No response).

US EPA, Sole Source Aquifers. Esri HERE, Garmin, NOAA, USGS, EPA.

US Fish and Wildlife Service, Caribbean Ecological Services Field Office. E-mail communication regarding October 23, 2018 letter on Threatened and Endangered Species and Critical Habitats.

NOAA Fisheries / National Marine Fisheries Service, NEPA Coordinator Southeast Regional



Office. Communication on October 16, 2018 regarding designated critical habitat. (No response).

US Geological Survey, Data Release of May Showing Concentration of Landslides Caused by Hurricane Maria, <https://doi:10.5066/F7JD4VRF>

List of Permits Obtained: Environmental permit (REA, DEA) from PR Permits Management Office. Other state permits, as required.

Public Outreach [24 CFR 58.43]: Publish FONSI / NOI-RROF in compliance with NEPA regs for HUD.

Cumulative Impact Analysis [24 CFR 58.32]: Based on observations made of the public records for the area we have found there have been no cumulative impacts in the past and or the foreseeable future.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]: Other locations are not feasible as the municipality does not count with a proper site within their inventory of lots that are at this moment suitable for multifamily housing projects due to the limited land area of the available lots. If we go with the No action option, it will keep perpetuating the scarcity of affordable housing that is plaguing the southern region of the island.

No Action Alternative [24 CFR 58.40(e)]: This project is important to the region, there is a great need for affordable housing. If the project does not proceed, low-income people will be overlooked.

Summary of Findings and Conclusions: The proposed activity has been found to not have any adverse effects on the environment nor is there the requirement for further consultation with any agency. There are no environmental review topics addressed that result in the need for formal compliance steps or the requirement for mitigation.

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

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

Law, Authority, or Factor	Mitigation Measure

Determination:

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

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

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

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

Preparer Signature:  Date: March, 21, 2023



Digitally
signed by
Jose Luis
Lugo Muñoz
Date:
2023.03.21
10:30:43
-04'00'

Name/Title/Organization: Jose L. Lugo Muñoz, PE, MEM / Master Management and Consultants Inc.

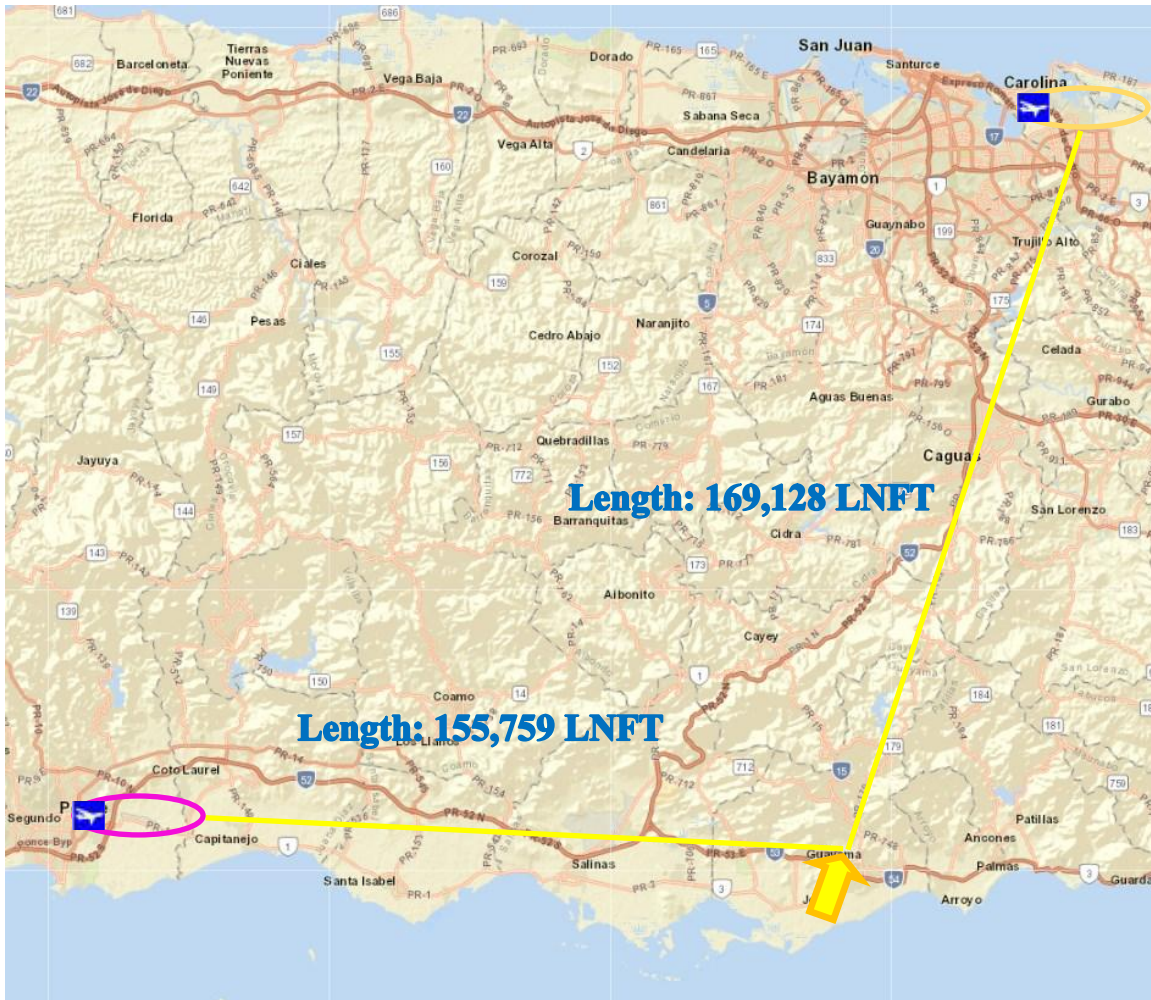
Certifying Officer Signature:  Date: March 23, 2023

Name/Title: I. Lorenzo, Permits and Environmental Compliance Specialist

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



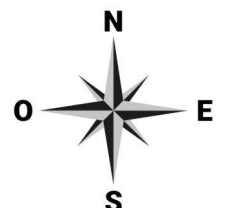
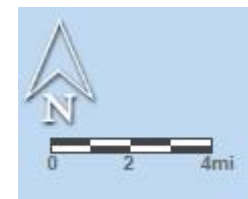
Figure 1: Case 2021-DR0199A— Airport Hazards



<https://gis.jp.pr.gov/mipr/>

Legend

- Military Airports 15,000ft Buffer
- Civilian Airports 2,500ft Buffer
- Military Accident Protection Zones APZ 2
- Military Accident Protection Zones APZ 1
- Runway Protection Zones
- Airport Runways
- Major
- Minor Airport



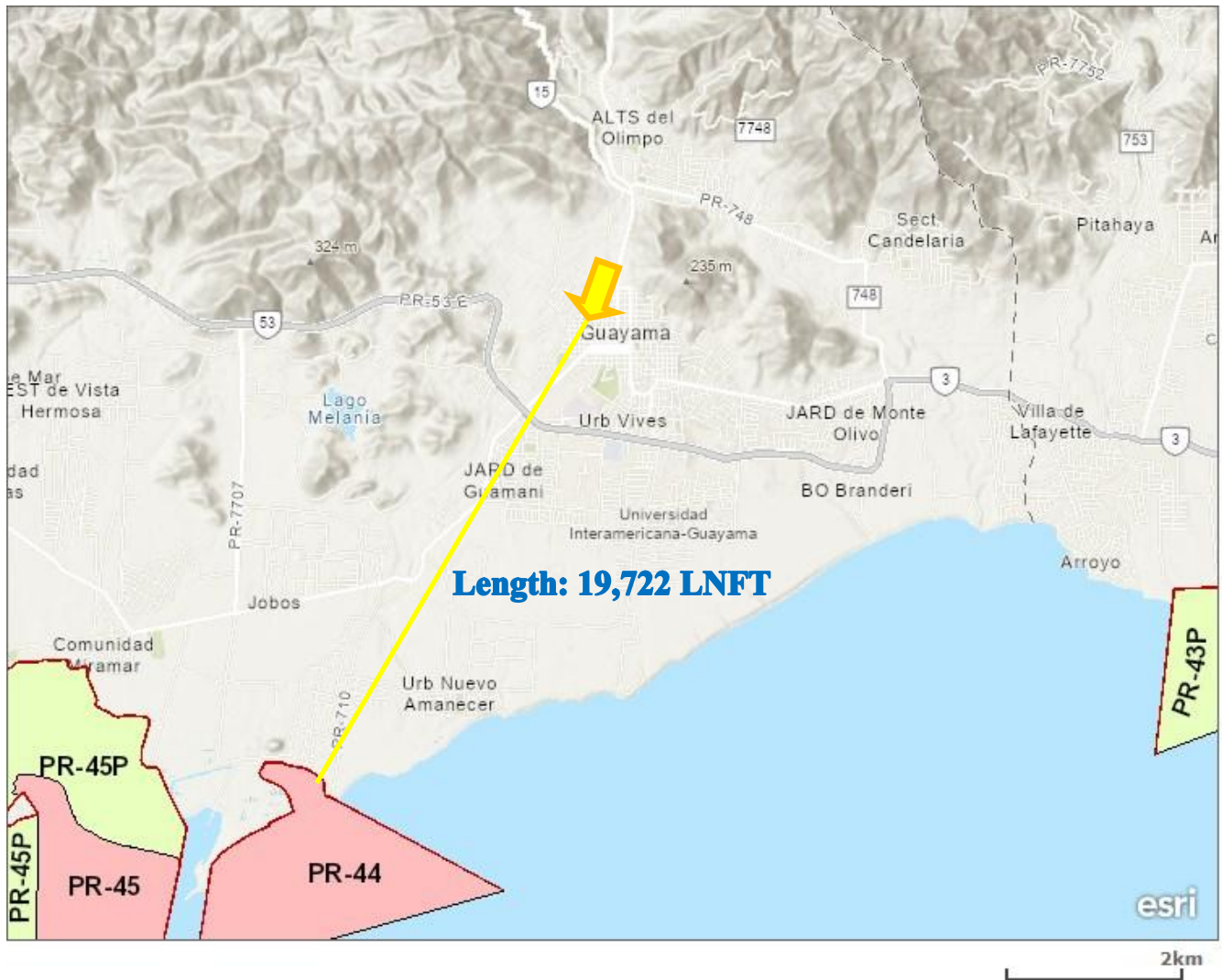


GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Figure 2: Case 2021-DR0199A— Coastal Barrier Resources



<https://cbrsgis.wim.usgs.gov/arcgis/rest/services/CoastalBarrierResourcesSystem/MapServer>

Legend:

CBRS Units

- Otherwise Protected Area
- System Unit

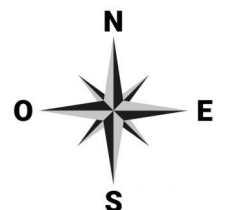




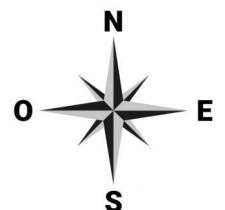
Figure 3: Case 2021-DR0199A—Flood Insurance



https://hazards.fema.gov/gis/nfhl/rest/services/FIRMette/NFHLREST_FIRMette/MapServer

Legend:

- Flood Hazard Boundaries
 - Limit Lines
 - SFHA / Flood Zone Boundary
- Flood Hazard Zones
 - 1% Annual Chance Flood Hazard
 - Regulatory Floodway
 - Special Floodway
 - Area of Undetermined Flood Hazard
 - 0.2% Annual Chance Flood Hazard
 - Future Conditions 1% Annual Chance Flood Hazard
 - Area with Reduced Risk Due to Levee
 - Area with Risk Due to Levee





GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Appendix A: Case 2021-DR0199A

EPA published list of Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants



You are here: EPA Home > Green Book > National Area and County-Level Multi-Pollutant Information > Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

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

Data is current as of February 28, 2023

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

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

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

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes
PUERTO RICO								
Arecibo Municipio	Lead (2008)	Arecibo, PR	11 12 13 14 15 16 17 18 19 20 21 22 23	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	929394959697989900010203040506070809	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	18 19 20 21 22 23	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	18 19 20 21 22 23	//		Part	52,441	72/137

Discover.

2023-02-28



GOVERNMENT OF PUERTO RICO
Department of Housing





PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

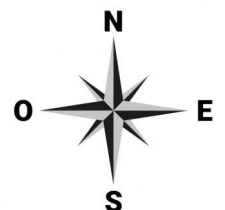
Figure 4: Case 2021-DR0199A—Coastal Zone Management



<https://coast.noaa.gov/arcgis/rest/services/Hosted/CoastalZoneManagementAct/FeatureServer/0>

Legend:

-  coastal zone
-  federal consistency



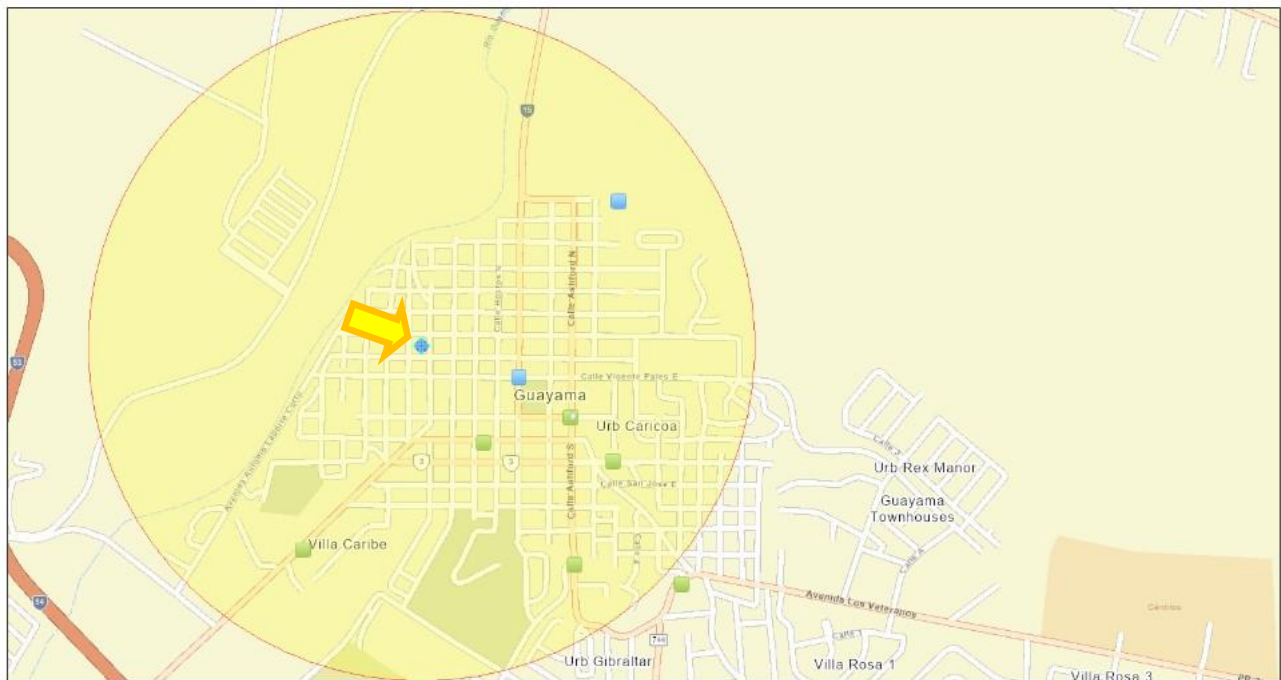


GOVERNMENT OF PUERTO RICO
Department of Housing



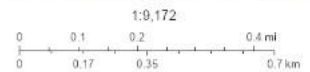
PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Figure 5: Case 2021-DR0199A—Contamination and Toxic Substances

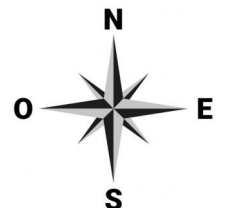


October 25, 2022

- Water Dischargers (NPDES)
- Hazardous Waste (RCRAInfo)
- Hazardous Waste (RCRAInfo)
- Project Buffer
- Lote B-Calle Monserrate



Esri, Community Maps Contributors, Kadaster Netherlands, Esri, HERE, Garmin, FourSquare, SafeGraph, GeoTechnologies, Inc, METI/ANSA, USGS, NPS, US Census Bureau





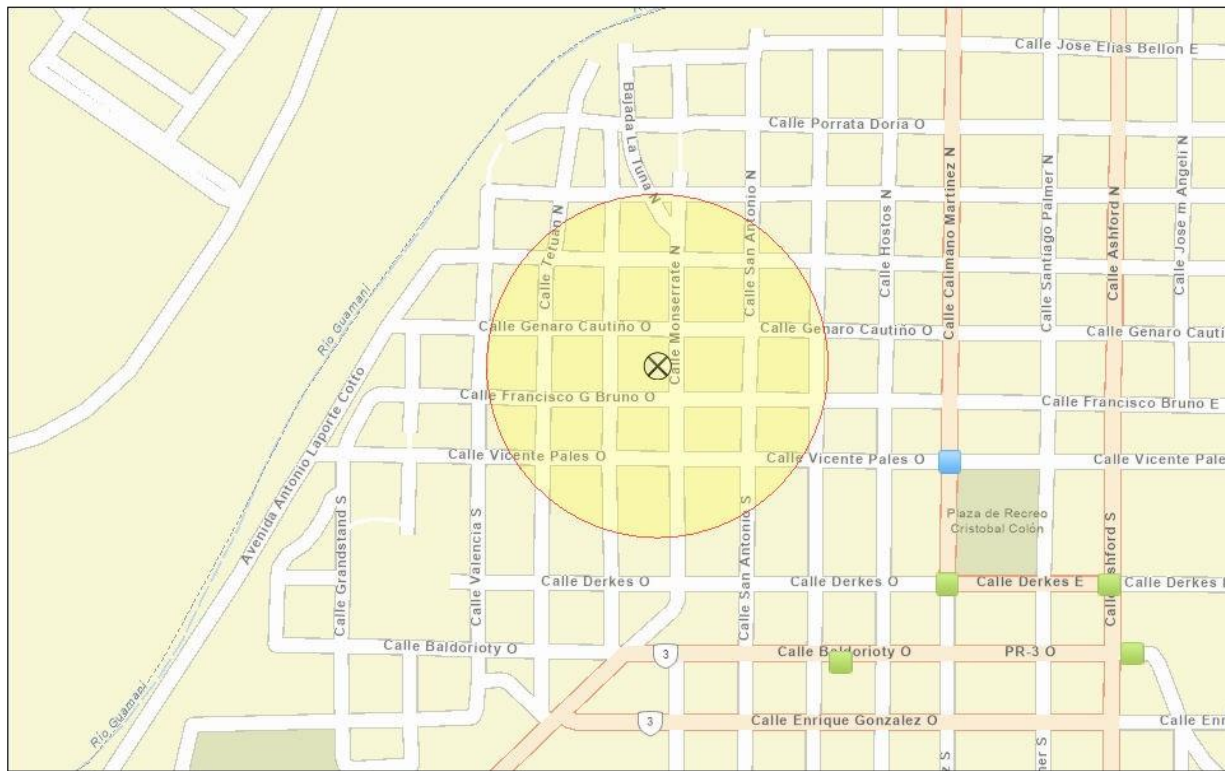
GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

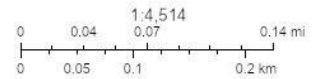
Figure 5: Case 2021-DR0199A—Contamination and Toxic Substances

Lote B, Guayama - Monserrate Apartments



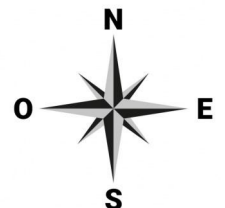
March 7, 2023

- Water Dischargers (NPDES)
- Hazardous Waste (RCRAInfo)
- Project Buffer
- ⊗ Lote B, Guayama - Monserrate Apartments



Esri, Community Maps Contributors, Kadaster, Netherlands, Esri, HERE, Garmin, Foursquare, SateGraph, GeoTechnologies, Inc., METNADA, USGS.

<https://nepassisttool.epa.gov/nepassist/nepamap.aspx?wherestr=00785>





GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Appendix B: Case 2021-DR0199A

Contamination and Toxic Substances

ECHO Facility Reports

Detailed Facility Report



Detailed Facility Report

Facility Summary

KMART #3853

PR HW 3 PLAZA GUAYAMA B3, GUAYAMA, PR 00784

FRS (Facility Registry Service) ID: 110004893483

EPA Region: 02

Latitude: 17.984082

Longitude: -66.11488

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	10/30/2013
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA):
Other, (PRR000007641)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): Inactive No Information

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

[Known Data Problems](#)

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004893483					N	17.984082	-66.11488
RCRAInfo	RCRA	PRR000007641	Other	Inactive ()			N	17.984082	-66.11488

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004893483	KMART #3853	PR HW 3 PLAZA GUAYAMA B3, GUAYAMA, PR 00784	Guayama Municipio
RCRAInfo	RCRA	PRR000007641	KMART #3853	PR HW 3 PLAZA GUAYAMA B3, GUAYAMA, PR 00784	Guayama Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000007641	No	03/04/2023	0	03/03/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRR000007641)	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
---------	--------	-----------	----------------	-------------	------

No data records returned

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

Formal Enforcement Actions Last 5 Years ▼

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

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

EJScreen EJ Indexes

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

Show EJ Indexes calculated based on: Census Block Group - US ▼

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	0
Air Toxics Cancer Risk	71
Air Toxics Respiratory Hazard Index	47
Traffic Proximity	98
Lead Paint	96
Risk Management Plan (RMP) Facility Proximity	99
Hazardous Waste Proximity	85
Superfund Proximity	99
Underground Storage Tanks (UST)	0
Wastewater Discharge	99

Number of EJ Indexes Above 80th Percentile
6

[View EJScreen Report \(US/regional/state percentiles, 1-mile average\)](#)

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	12,409
Population Density	3,990/sq.mi.
Housing Units in Area	6,205

General Statistics (ACS (American Community Survey))	
Total Persons	9,679
Percent People of Color	100%
Households in Area	4,124
Households on Public Assistance	1,352
Persons With Low Income	8,159
Percent With Low Income	85%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.984082
Center Longitude	-66.11488
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	2,404 (58.31%)
\$15,000 - \$25,000	757 (18.36%)
\$25,000 - \$50,000	708 (17.17%)
\$50,000 - \$75,000	158 (3.83%)
Greater than \$75,000	96 (2.33%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	899 (7%)
Minors 17 years and younger	3,377 (27%)
Adults 18 years and older	9,032 (73%)
Seniors 65 years and older	2,094 (17%)

Race Breakdown (U.S. Census) - Persons (%)	
White	8,395 (68%)
African-American	2,227 (18%)
Hispanic-Origin	12,300 (99%)
Asian/Pacific Islander	26 (0%)
American Indian	99 (1%)
Other/Multiracial	1,663 (13%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	681 (11.2%)
9th through 12th Grade	488 (8.02%)
High School Diploma	2,433 (40.01%)
Some College/2-year	595 (9.78%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,510 (24.83%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Detailed Facility Report



Detailed Facility Report

Facility Summary

PONTIFICIA UNIVERSIDAD CATOLICA

ASHFORD 9S, GUAYAMA, PR 00784

FRS (Facility Registry Service) ID: 110004888471

EPA Region: 02

Latitude: 17.98107

Longitude: -66.11252

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	11/13/2008
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA):
Other, (PR0000930487)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Inactive **Toxic Releases (TRI):** No Information

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

[Known Data Problems](#)

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004888471					N	17.98107	-66.11252
RCRAInfo	RCRA	PR0000930487	Other	Inactive ()			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004888471	PONTIFICIA UNIVERSIDAD CATOLICA	ASHFORD 9S, GUAYAMA, PR 00784	Guayama Municipio
RCRAInfo	RCRA	PR0000930487	PONTIFICIA UNIVERSIDAD CATOLICA	ASHFORD 9S, GUAYAMA, PR 00784	Guayama Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
--------	------------	----------	-----------------

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
--------	------------	------------	-------------------

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

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

No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PR0000930487	No	03/04/2023	0	03/03/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
	RCRA (Source ID: PR0000930487)	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
---------	--------	-----------	----------------	-------------	------

No data records returned

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

Formal Enforcement Actions

Last 5 Years ▼

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

EJScreen EJ Indexes

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

Show EJ Indexes calculated based on: Census Block Group - US ▼

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	0
Air Toxics Cancer Risk	68
Air Toxics Respiratory Hazard Index	44
Traffic Proximity	98
Lead Paint	92
Risk Management Plan (RMP) Facility Proximity	99
Hazardous Waste Proximity	83
Superfund Proximity	99
Underground Storage Tanks (UST)	0
Wastewater Discharge	99

Number of EJ Indexes Above 80th Percentile
6

[View EJScreen Report \(US/regional/state percentiles, 1-mile average\)](#)

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	15,182
Population Density	4,975/sq.mi.
Housing Units in Area	7,308

General Statistics (ACS (American Community Survey))	
Total Persons	11,667
Percent People of Color	100%
Households in Area	4,892
Households on Public Assistance	1,551
Persons With Low Income	9,651
Percent With Low Income	83%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.98107
Center Longitude	-66.11252
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	2,746 (56.14%)
\$15,000 - \$25,000	896 (18.32%)
\$25,000 - \$50,000	852 (17.42%)
\$50,000 - \$75,000	234 (4.78%)
Greater than \$75,000	163 (3.33%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	1,030 (7%)
Minors 17 years and younger	4,130 (27%)
Adults 18 years and older	11,052 (73%)
Seniors 65 years and older	2,390 (16%)

Race Breakdown (U.S. Census) - Persons (%)	
White	10,352 (68%)
African-American	2,720 (18%)
Hispanic-Origin	15,051 (99%)
Asian/Pacific Islander	29 (0%)
American Indian	110 (1%)
Other/Multiracial	1,971 (13%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	782 (10.63%)
9th through 12th Grade	530 (7.21%)
High School Diploma	2,840 (38.62%)
Some College/2-year	766 (10.42%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,952 (26.54%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Detailed Facility Report



Detailed Facility Report

Facility Summary

PRASA GUAYAMA MICROBIOLOGICAL LAB

75 W ENRIQUE GONZALEZ, GUAYAMA, PR 00784

FRS (Facility Registry Service) ID: 110004889960

EPA Region: 02

Latitude: 17.983617

Longitude: -66.111523

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA):
Other, (PRD987378312)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Inactive **Toxic Releases (TRI):** No Information

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

[Known Data Problems](#)

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004889960					N	17.983617	-66.111523
RCRAInfo	RCRA	PRD987378312	Other	Inactive ()			N	17.983617	-66.111523

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004889960	PRASA GUAYAMA MICROBIOLOGICAL LAB	75 W ENRIQUE GONZALEZ, GUAYAMA, PR 00784	Guayama Municipio
RCRAInfo	RCRA	PRD987378312	PRASA GUAYAMA MICROBIOLOGICAL LAB	75 W ENRIQUE GONZALEZ, GUAYAMA, PR 00784	Guayama Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987378312	No	03/04/2023	0	03/03/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRD987378312)	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation												
	Agency												

Informal Enforcement Actions Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

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

Last 5 Years



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

Environmental Conditions**Watersheds**

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants**Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site**

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

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

Chemical Name

No data records returned

Community**EJScreen EJ Indexes**

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

Show EJ Indexes calculated based on:

Census Block Group - US



Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	0
Air Toxics Cancer Risk	70
Air Toxics Respiratory Hazard Index	45
Traffic Proximity	95
Lead Paint	92
Risk Management Plan (RMP) Facility Proximity	99
Hazardous Waste Proximity	83
Superfund Proximity	99
Underground Storage Tanks (UST)	0
Wastewater Discharge	99

Number of EJ Indexes Above 80th Percentile
6

[View EJScreen Report \(US/regional/state percentiles, 1-mile average\)](#)

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	12,641
Population Density	4,106/sq.mi.
Housing Units in Area	6,308

General Statistics (ACS (American Community Survey))	
Total Persons	9,711
Percent People of Color	100%
Households in Area	4,185
Households on Public Assistance	1,346
Persons With Low Income	8,037
Percent With Low Income	83%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.983617
Center Longitude	-66.111523
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	2,410 (57.59%)
\$15,000 - \$25,000	751 (17.95%)
\$25,000 - \$50,000	702 (16.77%)
\$50,000 - \$75,000	190 (4.54%)
Greater than \$75,000	132 (3.15%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	880 (7%)
Minors 17 years and younger	3,345 (26%)
Adults 18 years and older	9,297 (74%)
Seniors 65 years and older	2,170 (17%)

Race Breakdown (U.S. Census) - Persons (%)	
White	8,603 (68%)
African-American	2,255 (18%)
Hispanic-Origin	12,528 (99%)
Asian/Pacific Islander	27 (0%)
American Indian	88 (1%)
Other/Multiracial	1,669 (13%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	693 (11.32%)
9th through 12th Grade	474 (7.75%)
High School Diploma	2,361 (38.58%)
Some College/2-year	628 (10.26%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,627 (26.58%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Detailed Facility Report



Detailed Facility Report

Facility Summary

P U C P R GUAYAMA CENTER

DERKES CORNER ASHFORD ST, GUAYAMA, PR 00784

FRS (Facility Registry Service) ID: 110007813107

EPA Region: 02

Latitude: 17.984703

Longitude: -66.112616

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive
Other, (PRD987381514)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

[Known Data Problems](#)

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007813107					N	17.984703	-66.112616
RCRAInfo	RCRA	PRD987381514	Other	Inactive ()			N	17.984703	-66.112616

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007813107	P U C P R GUAYAMA CENTER	DERKES CORNER ASHFORD ST, GUAYAMA, PR 00784	Guayama Municipio
RCRAInfo	RCRA	PRD987381514	P U C P R GUAYAMA CENTER	DERKES CORNER ASHFORD ST, GUAYAMA, PR 00784	Guayama Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987381514	No	03/04/2023	0	03/03/2023

Three-Year Compliance History by Quarter


Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRD987381514)	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

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

Formal Enforcement ActionsLast 5 Years 

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

Environmental Conditions**Watersheds**

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants**Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site**

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

No data records returned

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

Chemical Name

No data records returned

Community**EJScreen EJ Indexes**

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

Show EJ Indexes calculated based on:

Census Block Group - US 

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	0
Air Toxics Cancer Risk	70
Air Toxics Respiratory Hazard Index	45
Traffic Proximity	95
Lead Paint	92
Risk Management Plan (RMP) Facility Proximity	99
Hazardous Waste Proximity	83
Superfund Proximity	99
Underground Storage Tanks (UST)	0
Wastewater Discharge	99

Number of EJ Indexes Above 80th Percentile
6

[View EJScreen Report \(US/regional/state percentiles, 1-mile average\)](#)

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA’s spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	11,652
Population Density	3,797/sq.mi.
Housing Units in Area	5,910

General Statistics (ACS (American Community Survey))	
Total Persons	9,005
Percent People of Color	100%
Households in Area	3,908
Households on Public Assistance	1,267
Persons With Low Income	7,506
Percent With Low Income	84%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.984703
Center Longitude	-66.112616
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	2,276 (58.24%)
\$15,000 - \$25,000	702 (17.96%)
\$25,000 - \$50,000	661 (16.91%)
\$50,000 - \$75,000	163 (4.17%)
Greater than \$75,000	106 (2.71%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	838 (7%)
Minors 17 years and younger	3,116 (27%)
Adults 18 years and older	8,537 (73%)
Seniors 65 years and older	2,058 (18%)

Race Breakdown (U.S. Census) - Persons (%)	
White	7,930 (68%)
African-American	2,067 (18%)
Hispanic-Origin	11,546 (99%)
Asian/Pacific Islander	25 (0%)
American Indian	83 (1%)
Other/Multiracial	1,548 (13%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	650 (11.46%)
9th through 12th Grade	460 (8.11%)
High School Diploma	2,218 (39.12%)
Some College/2-year	564 (9.95%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,472 (25.96%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Detailed Facility Report



Detailed Facility Report

Facility Summary

SHELL CO PR LTD SS 2852 JOBOS

PR-3 KM 139.9, GUAYAMA, PR 00784

FRS (Facility Registry Service) ID: 110007818629

EPA Region: 02

Latitude: 17.981438

Longitude: -66.119561

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA):
Other, (PRR000005504), Inactive Other, (PRR000005041)

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Inactive **Toxic Releases (TRI):** No Information

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

[Known Data Problems](#)

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007818629					N	17.981438	-66.119561
RCRAInfo	RCRA	PRR000005504	Other	Inactive ()			N		
RCRAInfo	RCRA	PRR000005041	Other	Inactive ()			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007818629	SHELL CO PR LTD SS 2852 JOBOS	PR-3 KM 139.9, GUAYAMA, PR 00784	Guayama Municipio
RCRAInfo	RCRA	PRR000005504	SHELL CO PR LTD SS 2852 JOBOS	RD PR 3 KM 139.9, GUAYAMA, PR 00784	Guayama Municipio
RCRAInfo	RCRA	PRR000005041	SHELL CO PR LTD SS 2852 JOBOS SHELL	CARR PR 3 KM 139.9, GUAYAMA, PR 00784	Guayama Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000005504	No	03/04/2023	0	03/03/2023
RCRA	PRR000005041	No	03/04/2023	0	03/03/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000005041)		04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation												
	Agency												
RCRA (Source ID: PRR000005504)		04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions Last 5 Years ▼

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

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

Formal Enforcement Actions Last 5 Years ▼

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

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
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No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

EJScreen EJ Indexes

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

Show EJ Indexes calculated based on: Census Block Group - US ▼

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	0
Air Toxics Cancer Risk	68
Air Toxics Respiratory Hazard Index	44
Traffic Proximity	97
Lead Paint	94
Risk Management Plan (RMP) Facility Proximity	99
Hazardous Waste Proximity	84
Superfund Proximity	99
Underground Storage Tanks (UST)	0
Wastewater Discharge	97

Number of EJ Indexes Above 80th Percentile
6

[View EJScreen Report \(US/regional/state percentiles, 1-mile average\)](#)

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	14,640
Population Density	4,622/sq.mi.
Housing Units in Area	6,965

General Statistics (ACS (American Community Survey))	
Total Persons	11,844
Percent People of Color	100%
Households in Area	4,839
Households on Public Assistance	1,549
Persons With Low Income	9,986
Percent With Low Income	86%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.981438
Center Longitude	-66.119561
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	2,652 (54.8%)
\$15,000 - \$25,000	932 (19.26%)
\$25,000 - \$50,000	959 (19.82%)
\$50,000 - \$75,000	212 (4.38%)
Greater than \$75,000	84 (1.74%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	1,098 (8%)
Minors 17 years and younger	4,154 (28%)
Adults 18 years and older	10,486 (72%)
Seniors 65 years and older	2,120 (14%)

Race Breakdown (U.S. Census) - Persons (%)	
White	9,894 (68%)
African-American	2,687 (18%)
Hispanic-Origin	14,515 (99%)
Asian/Pacific Islander	33 (0%)
American Indian	108 (1%)
Other/Multiracial	1,919 (13%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	716 (9.62%)
9th through 12th Grade	579 (7.78%)
High School Diploma	2,963 (39.81%)
Some College/2-year	787 (10.57%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,830 (24.59%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Detailed Facility Report



Detailed Facility Report

Facility Summary

MUNICIPALITY OF GUAYAMA

VICENTE PALES MATOS STREET, GUAYAMA, PR 00784

FRS (Facility Registry Service) ID: 110057198438

EPA Region: 02

Latitude: 17.98569

Longitude: -66.11396

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	12/10/2013
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Minor, Permit Expired (PRR040061)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)

[Known Data Problems](#)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110057198438					N	17.98569	-66.11396
ICIS-NPDES	CWA	PRR040061	Minor: General Permit Covered Facility	Expired	Urban Stormwater (Small MS4)	06/30/2021	N	17.985833	-66.101389

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110057198438	MUNICIPALITY OF GUAYAMA	VICENTE PALES MATOS STREET, GUAYAMA, PR 00784	
ICIS-NPDES	CWA	PRR040061	MUNICIPALITY OF GUAYAMA	VICENTE PALES MATOS STREET, GUAYAMA, PR 00784	Guayama Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

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

No data records returned

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR040061	No	09/30/2022	0	03/03/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+
	CWA (Source ID: PRR040061)	10/01-12/31/19	01/01-03/31/20	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-03/03/23
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	Undetermined
	Quarterly Noncompliance Report History													

Informal Enforcement Actions Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
---------	--------	-----------	----------------	-------------	------

No data records returned

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

Formal Enforcement Actions Last 5 Years ▼

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

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100040502	Quebrada Branderi at mouth	--	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRSQ48A	QUEBRADA BRANDERI	Impaired - With Restoration Plan	PATHOGENS	Not Assessed	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

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

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

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

Chemical Name

No data records returned

Community

EJScreen EJ Indexes

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

Show EJ Indexes calculated based on: Census Block Group - US ▼

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	0
Air Toxics Cancer Risk	71
Air Toxics Respiratory Hazard Index	47
Traffic Proximity	98
Lead Paint	96

Number of EJ Indexes Above 80th Percentile
6

[View EJScreen Report](#) (US/regional/state percentiles, 1-mile average)

Census Block Group EJ Indexes (percentile)	
Risk Management Plan (RMP) Facility Proximity	99
Hazardous Waste Proximity	85
Superfund Proximity	99
Underground Storage Tanks (UST)	0
Wastewater Discharge	99

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	11,060
Population Density	3,516/sq.mi.
Housing Units in Area	5,652

General Statistics (ACS (American Community Survey))	
Total Persons	8,524
Percent People of Color	100%
Households in Area	3,701
Households on Public Assistance	1,202
Persons With Low Income	7,132
Percent With Low Income	84%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.98569
Center Longitude	-66.11396
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	2,161 (58.45%)
\$15,000 - \$25,000	666 (18.01%)
\$25,000 - \$50,000	632 (17.09%)
\$50,000 - \$75,000	149 (4.03%)
Greater than \$75,000	89 (2.41%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	811 (7%)
Minors 17 years and younger	2,981 (27%)
Adults 18 years and older	8,079 (73%)
Seniors 65 years and older	1,958 (18%)

Race Breakdown (U.S. Census) - Persons (%)	
White	7,483 (68%)
African-American	1,980 (18%)
Hispanic-Origin	10,961 (99%)
Asian/Pacific Islander	24 (0%)
American Indian	84 (1%)
Other/Multiracial	1,489 (13%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	614 (11.44%)
9th through 12th Grade	450 (8.38%)
High School Diploma	2,130 (39.68%)
Some College/2-year	524 (9.76%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,362 (25.37%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)

Detailed Facility Report



Detailed Facility Report

Facility Summary

PRASA WTP GUAYAMA FILTER PLANT

CORNER OF J.M. & ANGELI STREET, GUAYAMA, PR 00784

FRS (Facility Registry Service) ID: 110009814969

EPA Region: 02

Latitude: 17.990035

Longitude: -66.111372

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	02/23/2018
Compliance Status	Violation Identified
Qtrs in Noncompliance (of 12)	10
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Minor, Permit Admin Continued (PR0022578)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

[Go To Enforcement/Compliance Details](#)

[Known Data Problems](#)

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110009814969					N	17.990035	-66.111372
ICIS		2656995					N	17.990521	-66.11461
ICIS		2658320					N	17.990521	-66.11461
ICIS-NPDES	CWA	PR0022578	Minor: NPDES Individual Permit	Admin Continued		01/31/2023	N	17.9925	-66.115

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110009814969	PRASA WTP GUAYAMA FILTER PLANT	CORNER OF J.M. & ANGELI STREET, GUAYAMA, PR 00784	Guayama Municipio
ICIS		2656995	PRASA GUAYAMA WTP	CORNER OF J.M. & ANGELI STREETS, GUAYAMA, PR 00784	Guayama Municipio
ICIS		2658320	PRASA GUAYAMA WTP	CORNER OR J.M. & ANGELI STREETS, GUAYAMA, PR 00784	Guayama Municipio
ICIS-NPDES	CWA	PR0022578	PRASA GUAYAMA WTP	CORNER OF J.M. & ANGELI STREET, GUAYAMA, PR 00654	Guayama Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PR0022578	4941	Water Supply

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Industrial Effluent Guidelines

Facility Tribe Information

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description	Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
PR0022578	000	No Applicable Effluent Guidelines				

No data records returned

Enforcement and Compliance

Compliance Monitoring History Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
<i>CWA</i>	<i>PR0022578</i>	<i>ICIS-NPDES</i>	<i>Offsite Record Review</i>	<i>Base Program - Desk Audit</i>	<i>EPA</i>	<i>05/21/2021</i>	

Entries in italics are not counted as EPA official inspections.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PR0022578	No	09/30/2022	10	03/03/2023

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13+			
CWA (Source ID: PR0022578)		10/01-12/31/19	01/01-03/31/20	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21	01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-03/03/23			
Facility-Level Status		Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	Violation Identified			
Quarterly Noncompliance Report History		Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Reportable Noncompliance	Resolved - Pending	Resolved - Pending	Resolved - Pending				
	Pollutant	Disch Point	Mon Loc	Freq													
▶ CWA	BOD, 5-day, 20 deg. C	001 - A	Effluent Gross	NMth	880%	1000%	1420%	804%		136%	102%	154%	600%	84%	50%	48%	414%
▶ CWA	Chlorine, total residual	001 - A	Effluent Gross	NMth		82%											
▶ CWA	Copper, total (as Cu)	001 - A	Effluent Gross	NMth					61%	31%	182%	111%		1111%		88%	
▶ CWA	Lead, total (as Pb)	001 - Q	Effluent Gross	NMth							219%		2149%				
▶ CWA	Temperature, water, deg. centigrade	001 - A	Effluent Gross	NMth						3%							
▶ CWA	Turbidity	001 - A	Effluent Gross	NMth							LIMIT VIOLATION	LIMIT VIOLATION		LIMIT VIOLATION	LIMIT VIOLATION		
▶ CWA	pH	001 - A	Effluent Gross	Neither			LIMIT VIOLATION										
Late or Missing Discharge Monitoring Report (DMR) Measurements																	
Counts of Late DMR Measurements																	11
Counts of Missing DMR Measurements			1														

Informal Enforcement Actions Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

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

Formal Enforcement Actions Last 5 Years

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

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (R.A.D.(Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (R.A.D.(Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-Listed Aquatic Species?
210100040503	Quebrada Corazon at mouth	GUAMANI RIVER	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRSQ47A	QUEBRADA CORAZON	Impaired - With Restoration Plan	PATHOGENS	Not Assessed	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
No data records returned				

Pollutants

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

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-Site Releases	Total Off-Site Transfers
No data records returned								

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

Chemical Name
No data records returned

Community

EJScreen EJ Indexes

Twelve environmental justice (EJ) indexes of EJScreen, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group or 1-mile maximum (US or State) in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the [EJScreen home page](#).

Show EJ Indexes calculated based on:

Census Block Group EJ Indexes (percentile)	
Particulate Matter 2.5	--
Ozone	--
Diesel Particulate Matter	6
Air Toxics Cancer Risk	66
Air Toxics Respiratory Hazard Index	42
Traffic Proximity	95
Lead Paint	87
Risk Management Plan (RMP) Facility Proximity	98
Hazardous Waste Proximity	75
Superfund Proximity	99
Underground Storage Tanks (UST)	0
Wastewater Discharge	98

Number of EJ Indexes Above 80th Percentile
5

[View EJScreen Report](#) (US/regional/state percentiles, 1-mile average)

Demographic Profile of Surrounding Area (1 mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2016 - 2020 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the [DFR Data Dictionary](#).

General Statistics (U.S. Census)	
Total Persons	10,260
Population Density	3,247/sq.mi.
Housing Units in Area	5,324

General Statistics (ACS (American Community Survey))	
Total Persons	7,648
Percent People of Color	99%
Households in Area	3,276
Households on Public Assistance	989
Persons With Low Income	6,335
Percent With Low Income	83%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.990035
Center Longitude	-66.111372
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,758 (53.68%)
\$15,000 - \$25,000	580 (17.71%)
\$25,000 - \$50,000	677 (20.67%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	640 (6%)
Minors 17 years and younger	2,476 (24%)
Adults 18 years and older	7,784 (76%)
Seniors 65 years and older	1,947 (19%)

Race Breakdown (U.S. Census) - Persons (%)	
White	7,206 (70%)
African-American	1,840 (18%)
Hispanic-Origin	10,167 (99%)
Asian/Pacific Islander	21 (0%)
American Indian	74 (1%)
Other/Multiracial	1,118 (11%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	649 (12.85%)
9th through 12th Grade	451 (8.93%)
High School Diploma	1,970 (39%)
Some College/2-year	571 (11.3%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,158 (22.93%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
\$50,000 - \$75,000	149 (4.55%)
Greater than \$75,000	111 (3.39%)

LAST UPDATED ON SEPTEMBER 21, 2022

[DATA REFRESH INFORMATION](#)



GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Figure 6: Case 2021-DR0199A—Endangered Species

Figure 6: Case 2021-DR0199A—Endangered Species



3/7/2023

Critical Habitat - Polygon Features - Final

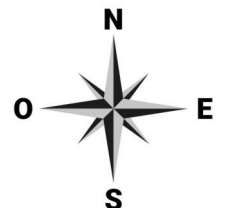
World Hillshade



Esri, NASA, NGA, USGS, Kadaster Netherlands, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, NPS

<https://www.arcgis.com/apps/mapviewer/index.html?url=https://services.arcgis.com/QVENGdaPbd4LUKLV/>

[ArcGIS/rest/services/Critical_Habitat_Test/FeatureServer&source=sd](https://services.arcgis.com/QVENGdaPbd4LUKLV/ArcGIS/rest/services/Critical_Habitat_Test/FeatureServer&source=sd)





GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Figure 7: Case 2021-DR0199A—Explosive and Flammable

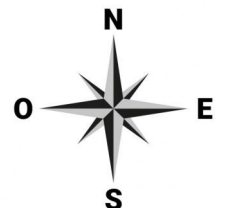


Google Earth Pro

Legend:



Gas Station



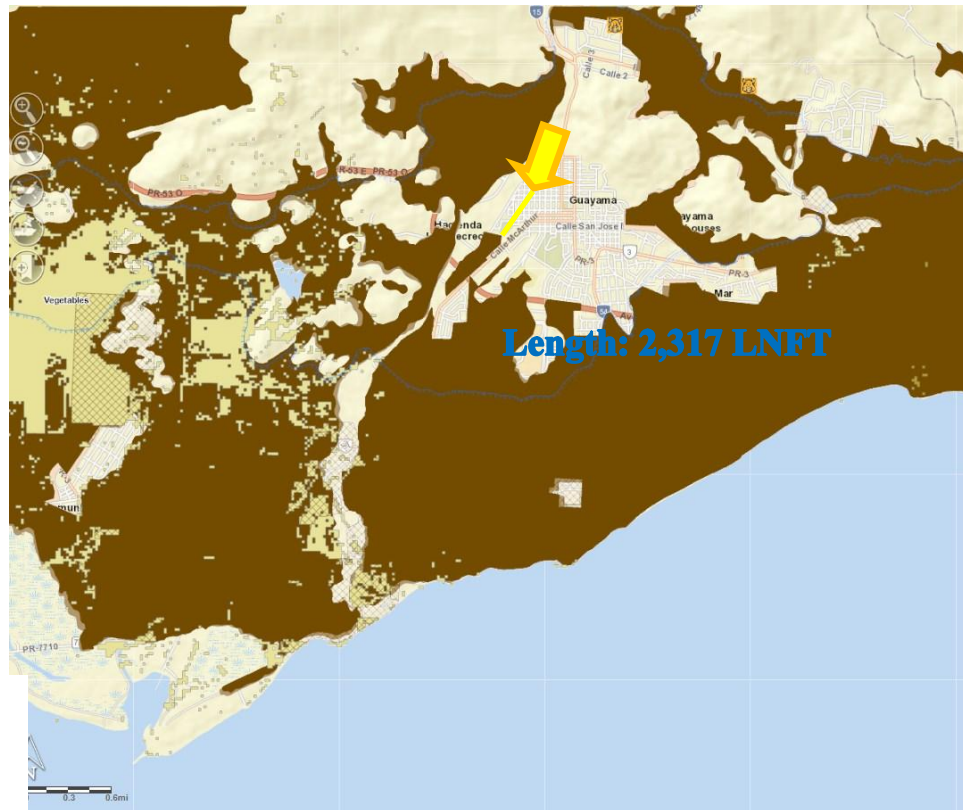


GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
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Figure 8: Case 2021-DR0199A—Farmland Protection



Legend:

- Empresas Pecuarias .
 - Vaquería
 - Porqueriza
 - Pollerías
- Canal de Riego .
- Reservas Agrícolas .
- Fincas Familiares ATPR .
- Propiedades ATPR .
- Estación Experimental .
- Censo Agrícola 2002 .
 - Coconuts
 - Coffee/Plantain/Fruit Trees
 - Coffee/Plantains/Fruit Trees
 - Fruit Trees
 - Grass
 - Groundfruit: Pineapple
 - Ornamentals
 - Pineapple
 - Plantains/ Tubers
 - Plantains/Bananas
 - Plantains/Fruit Trees
 - Plantains/Tubers
 - Sugar Cane
 - Sugarcane
 - Tubers
 - Vegetables
 - Vegetables/Fruit
 - Vegetables/Fruit Trees
- Suelo Capacidad Agrícola .
- Tierras Agrícola de Primera .
 - All areas are prime farmland
 - Farmland of statewide importance

<https://gis.jp.pr.gov/mipr/>

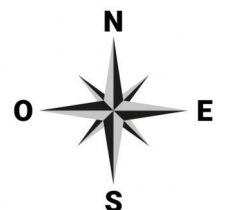
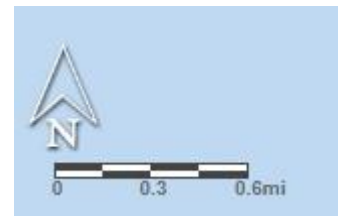




Figure 9: Case 2021-DR0199A—Advisory Base Flood Elevation Map

Legend:

PuertoRico_ABFE_1PCT

Flood Hazard Boundary
(zoom in to make visible)

Limit of Moderate Wave
Action (LimMWA)



Flood Hazard Extent

- 1% Annual
Chance Flood
- 0.2% Annual
Chance Flood

Zone/BFE Boundary



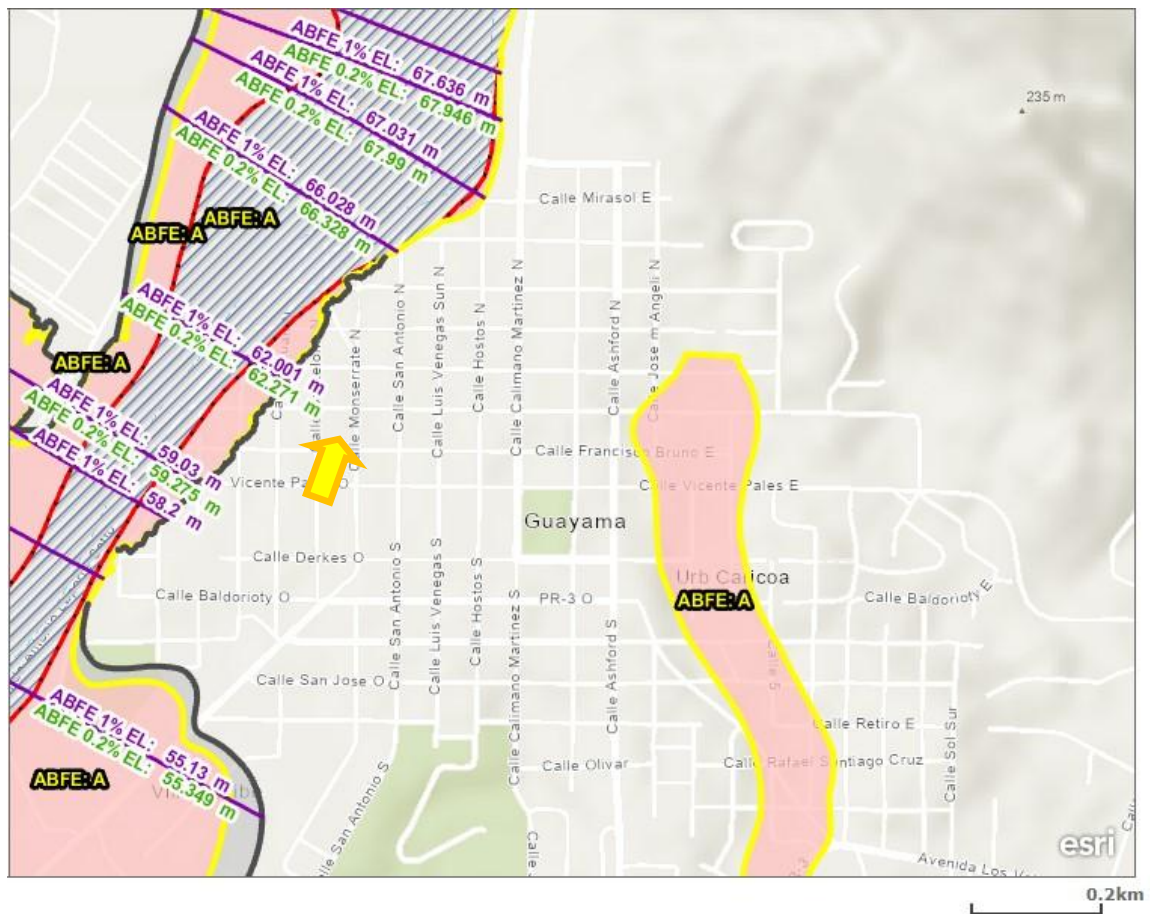
Flood Hazard Area (zoom in
to make visible)

Floodway

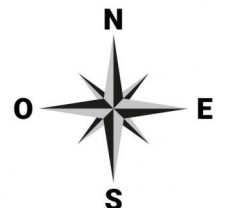


Flood Hazard Zone

- A
- AO
- AE
- Coastal A Zone



https://gis.fema.gov/arcgis/rest/services/DR/PuertoRico_ABFE_1PCT/MapServer





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Appendix C: Case 2021-DR0199A

SHPO Consultation Package



GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE

Executive Director | Carlos A. Rubio-Cancela | carubio@prshpo.pr.gov

December 13, 2022

Lauren Bair Poche

HORNE - Architectural Historian Manager
10000 Perkins Rowe, Suite 610 Bldg G
Baton Rouge, LA 70810

SHPO: 11-17-22-01 (PR-SIH-00029B #02) MONSERRATE APARTMENTS LOTE-B
LOCATED AT MONSERRATE STREET NO. 47, GUAYAMA, 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.

After a review of all the documentation provided, the PRSHPO concurs with your finding of **no adverse effect conditioned** to the implementation of submitted customized archaeological monitoring plan.

Please note that should the Agency discover any historic properties including archaeological findings 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/IMC



November 17, 2022

Carlos A. Rubio Cancela
Director Ejecutivo
Oficina Estatal de Conservación Histórica
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

Puerto Rico Disaster Recovery, CDBG-DR Social Interest Housing (SIH) Program

Section 106 NHPA Effect Determination Submittal: Lote B, Monserrate Apartments, Calle Monserrate No. 47, Guayama, Puerto Rico (PR-SIH-00029B #02) - *No Adverse Effect, Conditioned*

Dear Architect Rubio Cancela,

On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (PRDOH) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents. To faithfully comply with HUD's environmental requirements, the Puerto Rico Department of Housing contracted Horne Federal, LLC (HORNE) to provide environmental records review services that will support the Department's objectives for Puerto Rico Housing (PRDOH) regarding CDBG-DR.

On behalf of PRDOH and the subrecipient for this project, Ponce Neighborhood Housing Services, we are submitting documentation for the construction of one, two-story apartment buildings at Calle Monserrate No. 47 in the municipality of Guayama which is within the delineated boundaries of the National Register of Historic Places eligible Guayama Traditional Urban Center. The full scope of work is described in the submitted documentation, which includes mapping, photographs, and conceptual drawings of the new construction. Background research indicates although there are no known historic properties within the project area, the potential for finding archaeological resources is high. Based on this research and the provided documentation, the Program requests a concurrence that a determination of *No Adverse Effect* to Historic Properties is appropriate for this undertaking, conditioned to the implementation of a customized archaeological monitoring plan which is included with the NHPA Effect Determination Form.


Please contact me by email at lauren.poche@horne.com or phone at 225-405-7676, or Ms. Sharon Meléndez Ortiz at sharon.melendez@hornepr.com with any questions or concerns.

Kindest regards,



Lauren Bair Poche

Architectural Historian, Historic Preservation Senior Manager
Enclosures

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM SOCIAL INTEREST HOUSING PROGRAM (SIH) Section 106 NHPA Effect Determination	
Subrecipient: Ponce Neighborhood Housing Services	
Program ID Number: PR-SIH-00029B #02	
Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments	

Project Location: Street Monserrate No. 47, Guayama, Puerto Rico	
Project Coordinates: 17.987010, -66.116370	
TPID (Número de Catastro): 420-032-056-06 and 420-032-056-07	
Type of Undertaking: <input checked="" type="checkbox"/> Acquisition <input type="checkbox"/> Substantial Repair/Improvements <input checked="" type="checkbox"/> New Construction	
Construction Date (AH est.): n/a	Property Size (acres): 0.09

SOI-Qualified Architect/Architectural Historian: Lauren Bair Poche, M.A.
Date Reviewed: 11/15/2022
SOI-Qualified Archaeologist: Sharon Meléndez Ortiz, M.A.
Date Reviewed: 11/16/2022


In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the National Register of Historic Places (NRHP) and any properties not listed that would be considered eligible for listing that are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties.

Project Description (Undertaking)

The proposed undertaking is the acquisition of two parcels and the construction of one, two-story apartment building composed of four units in total in the northwestern part of the urban center of Guayama. Two parcels compose the APE; these have been vacant since December 2014 based on a review of aerial imagery. No structures are currently present that will need to be demolished.

The new building will be constructed adjacent to Calle Monserrate, similar to the other buildings along the street, and respect the current setbacks of those structures. It is centered on the lot, with only a few feet between the side elevations and the adjacent property lines. The site plan included in the conceptual Plans (Page 2) depicts the layout of the new construction within the project area.

This conceptual architectural design is a perfect blend of modern elements and traditional Puerto Rican architecture. A centrally located entrance, set back from the street, is composed of louvered double doors with transoms at the top is on the ground floor. Directly above the entrance are a set of paired jalousie windows with transoms at top that imitate

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the doors below; around the paired windows are decorative crowns at the top and prominent casings and window sills. A concrete projection frames the second-story window and main entrance, drawing in the eyes of the passerby.


The main entrance is flanked by balconies on both stories, enclosed by decorative metal railings, which are in turn flanked by projecting sections of the facade. The second-story units are accessed through this lobby area. The balcony openings are composed of clean lines and rectangular concrete posts supporting the roofs. Doors on the balconies that lead into the units face the street and are offset toward the middle of the buildings; these doors have full-length integrated jalousies and transoms overtop. Paired jalousie windows with transoms overtop are situated between the doors and the center of the building. This door-window arrangement is also the same for the second-floor units although those balconies are accessed from the interior living space.

The front elevation, adjacent to the balconies, features paired jalousie windows that mirror the windows over the entrance. This style of paired jalousie windows and casings will be present along the secondary elevations of the building, although there will be single window units as well on the side elevations. The primary facade will be mirrored on the rear elevation, although the doors to the rear balconies will be adjacent to the walls shared with the lobby.

A cornice visually divides the first and second floors across the front elevation and wraps around the side of the building. The cornice is present in sections across the front elevation and wraps around the other elevations.

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the Direct APE for this project is composed of the parcels where the construction will occur, 420-032-056-06 and 420-032-056-07. The Indirect/Visual APE is defined as the viewshed of the proposed project and includes the Guayama Traditional Urban Center and Historic Zone.

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Subrecipient: Ponce Neighborhood Housing Services	
Program ID Number: PR-SIH-00029B #02	
Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments	

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information was completed by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards for Archaeology (36 CFR Part 61), shows that the project area is located in a zone sensitive to the presence of archaeological resources of colonial nature.

The project area is located in the northwestern section of the traditional urban center of Guayama, about 0.18 mi northwest of its town square. A 19th century map of the urban center suggests that this area was already part of the town's grid by 1853 (Figure 1). By 1884, the block where the project is located was developing, as shown in Figure 2.

Figure 1: Casco Urbano de Guayama, ca. 1853 (Sepúlveda 2005, vol 2: 25)





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Subrecipient: Ponce Neighborhood Housing Services	
Program ID Number: PR-SIH-00029B #02	
Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments	

Figure 2: Casco Urbano de Guayama en 1884, Francisco Larea y Liso y Manual Mariano y Vivó (Sepúlveda 2005, vo 3: 182)



A systematic examination of aerial images shows that there have been several occupations of the lots from the 1930's until well into the 21st century. Please refer to the next section for a more detailed discussion.

There are no pre-colonial sites reported in or near the urban center of Guayama. In contrast, there are about six historic properties of the colonial periods located between 0.18 to 0.27 miles southeast of the APE (see table below). Three other archaeological resources of historic character are located 0.20 to 0.40 mi west-northwest of the study area, across (or on) the Guamaní River. All of these resources are associated with the sugar industry, so important in

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the historical development of this town. None of these resources are within or adjacent the project's APE.


Table of Historic Resources Recorded in the Vicinity of the Project Area

ID #	Resource Name	Distance to Project Area
GY0100012	Old cemetery (1746)	0.19 mi SE
GY0100023	Estación de cargar caña de azúcar al tren	0.20 mi W
GY0100024	La Tenería. Represa en el Río Guamaní, siglo 19	0.25 SW
GY0100038	Hacienda La Tuna (1896)	0.40 mi NW
GY0200030	Casa del Rey, Cárcel de Guayama, 19th century	0.24 mi E
GY0200031	Iglesia San Antonio de Padua (1874)	0.25 mi SE
GY0200045	Casa Cautiño	0.22 mi SE
GY0200046	Escuela Eleuterio Derkes	0.27 mi SE
--	Plaza Pública de Guayama	0.18 mi SE

Identification of Historic Properties - Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards for Architectural History (36 CFR Part 61), shows that the project area is within the boundaries of the National Register of Historic Places (NRHP)-eligible Guayama Traditional Urban Center and Historic Zone. While there are several NRHP-listed properties and registered designated properties per the Puerto Rico Planning Board, none are located near the project area.


The APE is situated in the northwestern section of the urban center of Guayama. As mentioned above, historic maps show that this part of Guayama was depicted as part of the urban grid as early as the 1850s and developed by the 1880s. A review of aerial imagery shows that both parcels were developed in the 1930s. Both properties had small residences that appeared to have had side gable roofs with extended back slopes, likely the variation of the traditional vernacular Criollo residences that can be seen throughout Guayama. The building on the northern parcel was constructed very close to the street, with what appears

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to have been a slight setback. The one on the southern parcel had a substantial setback, was slightly narrower, and had a longer back slope on the rear elevation. These buildings were still present in 1958; this is the final year that the footprints of the original houses are visible. By 1967, a front gable residence with a shed roof section on the rear is present on the northern parcel; this is present through at least 2004. In early 2006, the house appears to be heavily damaged with the roof missing and only remnants remaining. The southern parcel is obscured in the 1967 imagery by mature trees that make it difficult to discern what is present on the lot. The 1977 imagery is very low and once again, it is unclear what is actually present on the lot due to the mature trees although it does appear that a roofline can be seen on the western half of the lot; the same can be said of the 1983 imagery. However, by 1994 it is clear that some type of development has occurred on the front part of the property, up to the sidewalk. That new structure can be clearly seen in October 2004 with mature trees behind the structure as well as on the northern property as it falls into disrepair. By December 2014, both lots are entirely covered with mature trees and the following September, they have been completely cleared of vegetation. Secondary growth has occurred over the intervening years.


Per photographs provided by the subrecipient, the buildings on the block are a mix of one and two-story structures and are a mix of contributing and non-contributing resources to the district. Those on the western side of the block with the project's APE are one-story buildings from varying time periods. At the southern end of the block is an early twentieth-century vernacular side gable Criollo residence with an extended backslope, adjacent to the sidewalk; this roofline is identical to what can be seen on the 1930s urban center aerial imagery. North of that house, and south of the project's APE, is a circa 2012 vernacular residence constructed adjacent to the sidewalk; this has an inset half-width porch on the right side of the façade and a low pitch front gable metal roof. This replaced a side-gable residence that was present as early as the 1930s. The property on the northern end of the lot, facing Calle Cecilio Domínguez also appears to be present on the early urban center imagery. The limited photographs indicate that the fenestration of this building has been altered, with many original openings infilled.

The buildings across the street all appear to have been constructed after the 1930s, with the possible exception of the house directly to the east. Comparing the footprint of the current house with what was present in the 1930s and even in 1994, it is clear that they are extremely similar and that the original side gable roof was replaced with a concrete roof after between

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1994 and 2004. The home features a slight parapet across the front with projections above each of the porch columns that extend just above the roofline. It has a full-width front porch accessed from stairs on the right elevation that are within the footprint of the home. The porch features three bay openings, arched at the top, with decorative concrete balusters between each post. The posts are decorated with three incised vertical strips above the porch railing and wider, single strips below. The foundation of the porch is also divided visually into three, drawing the eye downward. The porch openings feature simple yet decorative rejas. A centrally located entrance can be seen on the back wall, featuring a pair of narrow wooden doors. Window openings flank the entrance but the type of windows cannot be determined in the available photographs.

The residence to the northeast of the APE is circa 1990 modern two-story reinforced concrete residence that appears to have potentially been renovated relatively recently per the photographs. The building has a flat concrete roof with a low pitch gable parapet with a circular opening in the gable. Each story on the façade has two bays. The bottom has a roll-up metal garage door to the left, while an inset porch enclosed with rejas is to the right. A modern set of glass and metal double doors with sidelights and transoms are on the back wall; a security gate is to the right of the porch and likely also gives access to the upper story. On the second story of the façade, there are twin balconies that project outward from the building that feature decorative metal railings that match the rejas on the porch. The entrances onto the porches were obscured at the time of the photographs by hurricane shutters; flat concrete awnings are above each opening that mirror the balconies below them. It is difficult to discern from aerial imagery an estimated date of construction for the residence to the southeast of the APE; however when examining the western half of the home as captured in the photographs, the style of the home including the rejas and concrete porch railing indicate it was likely constructed during the late 1960s or 1970s. This one-story reinforced concrete residence was also constructed immediately adjacent to the sidewalk. It appears to have a full-width porch that is under the projecting main roof, which is supported by square concrete columns. A geometric concrete porch railing can be seen, as well as rejas with a sunburst-like pattern.


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Determination

The following historic properties have been identified within the APE:

- Direct Effect:
 - No historic properties are present within the Direct APE, however, the potential for finding archaeological resources within the project's parcels is high. Historical cartographic resources evidenced that the area of Guayama where the project is located was already part of the town's grid by the second half of the 19th century, and that there were several occupations since the 1930s. Thus, there is potential to find remnants of previous occupations from the 19th or early 20th centuries.
- Indirect Effect:
 - Indirect effects will consist of the change in use for the parcel from vacant for the last 8 years to residential, featuring one, two-story apartment building. The surrounding properties are a mix of residential one-story and two-story structures that represent a mix of architectural styles.

Based on the results of our historic property identification efforts, the Program has determined that project actions will not affect the historic properties that compose the Direct APE conditioned to the implementation of an archaeological monitoring plan. The Program has also determined that project actions will not affect the historic properties that compose the Indirect/Visual Area of Potential Effect. The construction of this new apartment building will once again bring continuity to the streetscape for Calle Monserrate. The placement of the building with a 0' setback will re-establish an uninterrupted line of sight that once was present along this side of the street. The building is compatible with its surroundings as the massing and scale will be similar to those of other nearby two-story buildings, and the successful integration of modern elements with those found in traditional Puerto Rican architecture complements the surrounding buildings and neighborhood.

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Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments	

Recommendation

The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

No Historic Properties Affected

No Adverse Effect

Condition: Implementation of a customized archaeological monitoring plan (attached).

Adverse Effect

Proposed Resolution (if applicable)

This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and: <input type="checkbox"/> Concurs with the information provided. <input type="checkbox"/> Does not concur with the information provided.	
Comments: 	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
 SOCIAL INTEREST HOUSING PROGRAM (SIH)
 Section 106 NHPA Effect Determination**



Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments

**Project Location - Aerial Base
 Puerto Rico Department of Housing
 Social Interest Housing Program**

**Latitude: 17.9870
 Longitude: -66.1164**



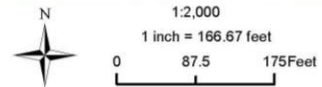
Application ID#: PR-SIH-00029B #02

Address: Street Monserrate No. 47, Guayama, PR 00784

Project Name: Lote B, Monserrate Apartments



- Applicant Parcel
- Parcels



Sources: Esri Imagery Basemap service.

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
SOCIAL INTEREST HOUSING PROGRAM (SIH)
Section 106 NHPA Effect Determination**



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments

Project Location - Topographic Base

**Puerto Rico Department of Housing
Social Interest Housing Program**

Latitude: 17.9870
Longitude: -66.1164



Application ID#: PR-SIH-00029B #02

Address: Street Monserrate No. 47, Guayama, PR 00784

Project Name: Lote B, Monserrate Apartments





Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments



**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
 SOCIAL INTEREST HOUSING PROGRAM (SIH)
 Section 106 NHPA Effect Determination**



Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments

**Historic Properties - Aerial Base
 Puerto Rico Department of Housing
 Social Interest Housing Program**

**Latitude: 17.9870
 Longitude: -66.1164**



Application ID#: PR-SIH-00029B #02
Address: Street Monserrate No. 47, Guayama, PR 00784
Project Name: Lote B, Monserrate Apartments



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

SOCIAL INTEREST HOUSING PROGRAM (SIH)

Section 106 NHPA Effect Determination



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

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Historic Properties - Topographic Base

Puerto Rico Department of Housing

Social Interest Housing Program

Latitude: 17.9870
Longitude: -66.1164



Application ID#: PR-SIH-00029B #02

Address: Street Monserrate No. 47, Guayama, PR 00784

Project Name: Lote B, Monserrate Apartments



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
SOCIAL INTEREST HOUSING PROGRAM (SIH)
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Photograph Key



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Section 106 NHPA Effect Determination



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Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments



Photo #: 1

Description (include direction): Closeup of the project APE, facing west from the east side of Calle Monserrate.

Date: 10/2022

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
SOCIAL INTEREST HOUSING PROGRAM (SIH)
Section 106 NHPA Effect Determination**



Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments



Photo #: 2

Description (include direction): Overview of the project APE, facing west from the east side of Calle Monserrate. Slightly distorted by the panoramic view, however the adjacent properties are visible for context.

Date: 10/2022

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
 SOCIAL INTEREST HOUSING PROGRAM (SIH)
 Section 106 NHPA Effect Determination**



Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments



Photo #: 3

Description (include direction): Overview of the properties along the east side of Calle Monserrate, facing west from in front of the project APE.

Date: 10/2022

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
 SOCIAL INTEREST HOUSING PROGRAM (SIH)
 Section 106 NHPA Effect Determination**



Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments



Photo #: 4

Date: 10/2022

Description (include direction): Calle Monserrate street view taken from north of its intersection with Calle Cecilio Domínguez, facing south. Note the project area to the right in the background.

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
 SOCIAL INTEREST HOUSING PROGRAM (SIH)
 Section 106 NHPA Effect Determination**



Subrecipient: Ponce Neighborhood Housing Services

Program ID Number: PR-SIH-00029B #02

Project Name: PR-SIH-00029B #02 - Lote B, Monserrate Apartments



Photo #: 5

Description (include direction): Calle Monserrate street view taken from its intersection with Calle Genaro Cautiño Insúa, facing north. Note the project area to the left in the background.

Date: 10/2022

PRDOH CDBG-DR Social Interest Program Archaeological Monitoring Scope of Work For Case PR-SIH-00029B #02

November 16, 2022

I. Preamble

The Puerto Rico Department of Housing (PRDOH) is proposing the construction of one, two-story apartment building of four units on two vacant parcels located at #47 Monserrate Street, Guayama, Puerto Rico (Figure 1). The project area is located within the Traditional Urban Center and Historic Zone of Guayama.

Figure 1: Location of the project on the satellite image



According to the Section 106 NHPA Effect Determination Form, completed by architectural historian Lauren B. Poche and archaeologist Sharon Meléndez Ortiz, the possibility of finding remains of previous occupations within the direct project's area of potential effect is high. Historical cartographic resources evidenced that the area of Guayama where the project is located was already part of the town's grid by the second half of the 19th century, and that there were several occupations since the 1930s. Thus, there is potential to find remnants of previous occupations dating from the 19th or early 20th centuries.

Photo 1: Project APE, facing west from the east side of Calle Monserrate (10/2022)



The objective of this archaeological monitoring plan is to ensure that any unanticipated discoveries, should they occur, receive appropriate treatment. This document is consistent with the Secretary of the Interior's (SOI) Guidelines for Archeological Documentation and the Advisory Council on Historic Preservation's (ACHP) recommendations on the recovery of significant information from archaeological sites as updated in 2009.

II. Archaeological Monitoring Procedure

The monitoring activities can be divided into three groups: activities before the project begins, activities during construction, and post-construction activities. Monitoring is limited to activities that entail demolition, excavations, and earth movements. Those activities that do not entail excavations or earth movements do not require an archaeological monitor.

A. Before Construction Begins

1. The Subrecipient (SR) will notify the Grant Manager (GM) of the proposed activities' start date. The SR is responsible for coordination between the Contractor and the SOI-qualified archaeologist who will oversee the monitoring (Monitor).
2. Before any demolition or construction begins, the construction crew, inspectors, and Monitor will have a kickoff meeting to discuss the procedure for archaeological monitoring, including the coordination protocol between the Monitor and the Contractor. The Monitor will provide an orientation on the area's

cultural resources and potential resources and their proper treatment. The Monitor will also explain which construction activities require archaeological monitoring.

3. The Monitor shall conduct a systematic surface reconnaissance of the project's area with the objective of identifying archaeological remains, like structural features, structures, concentration of artifacts or objects of historic character. If any of these are identified, they shall be documented. If the identified archaeological remains are considered historically significant, provisions included in stipulation B.6 must be implemented.
4. Prior to the surface reconnaissance, the Monitor must ensure that there is complete visibility of the surface. The parcel should be free of vegetation and debris. Any clearing necessary to achieve these conditions must be carried out under archaeological supervision.

B. During Demolition and Construction

1. The Monitor shall be in the field during all project activities involving demolition and ground disturbance; access and clear sightlines to all demolition and excavation activities and debris removal will be provided to the Monitor.
2. The Monitor shall provide instructions directly to the construction field personnel concerning how to proceed when there is a potential to impact an archaeological resource. The construction field personnel will abide by these requests: excavate slowly, stop the excavation work to evaluate a finding, etc.
3. After the demolition of the pavement and debris removal, the Monitor shall document any subsurface features associated with previous occupations, like wall foundations, builders' trench, cisterns, septic tanks, and domestic artifact deposits. The amount, size, and placement of excavation units shall depend on the size and complexity of the feature being documented. Any subsurface feature may be demolished and removed after being documented by the Monitor. The information recorded will be included in the final report.
4. The Monitor shall keep a record of monitored activities. The Monitor shall fill out the Daily Record of Activities Form (see **Error! Reference source not found.**). These Forms will be attached to the final report as an appendix.
5. The Monitor shall document all other archaeological remains identified during construction activities, except for previously unidentified historically significant findings (refer to B-6 below). The documentation shall include a detailed description of the discovery, context, horizontal and vertical provenience, photos, and drawings, if necessary. This documentation shall be done within a reasonable amount of time, trying not to impact the project schedule as much as possible.
6. If the identified archaeological remains are considered historically significant– i.e., complex structures or stratified deposits – the Monitor shall instruct the construction crew to (1) immediately cease work in the vicinity of the discovery, (2) take all reasonable measures to avoid or minimize harm to the property, and (3) notify the SR and GM. The GM shall immediately notify the SHPO, as per stipulation III.B.1.b. of the PA. The following protocol shall be followed:
 - a. The Monitor shall make a preliminary assessment of the finding. The assessment shall include a description of the discovery, location, horizontal

and vertical extent (if known), context, photographs, and drawings, as deemed necessary. The assessment shall also include a work plan for implementing a National Register of Historic Places' eligibility evaluation of the exceptional remains.

- b. The assessment and NRHP-eligibility evaluation work plan shall be submitted via email to the SR and GM within 24 hours of the discovery. The GM will comment on the work plan within 24 hours of receiving it.
- c. The Monitor shall implement the work plan after receiving the GM's authorization to proceed. After completing the fieldwork, the Monitor shall prepare an End of Field Report, summarizing the results. Said report should include an NRHP-eligibility determination. The End of Field Report shall be submitted via email to the SR and GM within 48 hours after completing the fieldwork.
- d. The GM shall notify the SHPO of the NRHP-eligibility determination.
 - i. If the finding is **not eligible** to the NRHP, the GM shall notify the SHPO and provide supporting documentation. Construction activities may resume under archaeological monitoring unless the SHPO disagrees with the NRHP determination and makes a timely objection within 48 hours of the notification.
 - ii. If the finding is **eligible** to the NRHP, the criteria of adverse effect shall be applied. If the project activities do not adversely affect the finding, the GM shall notify the SHPO and provide supporting documentation. Construction activities may resume under archaeological monitoring unless the SHPO makes a timely objection within 48 hours of the notification.
 - iii. If the project activities have an **adverse effect** on the NRHP-eligible finding, Data Recovery will be implemented as a Treatment Measure per Appendix F of the PA. The Monitor shall develop a data recovery plan with a research design consistent with the Secretary of the Interior's Guidelines for Archeological Documentation (http://www.nps.gov/history/localaw/arch_stnds_7.htm) and the Advisory Council on Historic Preservation's (ACHP) recommendations on the recovery of significant information from archaeological sites as updated in 2009, at https://www.achp.gov/protectinghistoricproperties/Section_106_Archaeology_Guidance. The data recovery plan shall be submitted via email to the GM for comments. The GM shall be responsible for submitting the data recovery plan to the SHPO for comments and approval. This treatment measure does not apply to burials or human remains (refer to II.B.11 of this work plan).

C. After Construction Ends

1. Upon the completion of archaeological monitoring, the SR and GM shall be notified. The estimated date of delivery of the final report shall be indicated in said notification.

2. A technical report shall be prepared detailing monitored construction activities, documentary research (if any), documentation of the demolished historic building, documentation of other findings, and analysis and interpretation of the results. The report must include visual information, such as drawings and photos, and a sketch plan of all the documented findings. The report shall be submitted to the GM no later than two (2) weeks after completing the archaeological monitoring work. The GM shall submit the report to the SHPO no later than one (1) week after receiving it.

D. Human Remains

If human remains are discovered, the protocol established in Stipulation III.B.1.c. of the PA must be followed:

1. Stop work immediately
2. Notify the local law enforcement office and coroner/medical examiner following applicable Commonwealth statute(s)
3. Protect the remains from any harm.
4. The GM shall be responsible for notifying the SHPO within twenty-four (24) hours of identifying human remains.

III. Professional Qualifications

The Monitor must meet the minimum Secretary of the Interior Professional Qualifications Standards for Archaeology established in 36CFR Part 61. These are: a graduate degree in archaeology, anthropology, or closely related field, plus at least one (1) year of full-time professional experience or equivalent specialized training in archaeological research, administration, or management; at least four (4) months of supervised field and analytic experience in general Puerto Rican archaeology; the demonstrated ability to carry research to completion; and at least one (1) year of full-time professional experience at a supervisory level in the study of archaeological resources of the pre-Columbian and colonial periods. Please see https://www.nps.gov/history/local-law/arch_stnds_9.htm for more information.

The SOI-qualified archaeologist shall not defer their monitoring responsibilities to any other person who does not meet the minimum professional qualifications. Any additional personnel to intervene in monitoring efforts shall have vast experience in historic archaeology, in working in evaluation (Phase II), documentation (Phase III), and monitoring projects dealing with colonial period properties.

APPENDIX A Monitoring Daily Activity Sheet

	PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM: Social Interest Housing (SIH) PROGRAM ARCHAEOLOGICAL MONITORING DAILY RECORD OF ACTIVITIES
Case ID:	Project Location (Street Address):
City:	Project Coordinates:

SOI Qualified-Archaeologist:
Date of Monitoring: Click or tap to enter a date.
Work Hours:

Description of work performed by contractor and supervised by the Monitor:

	YES	NO
Are the project activities conforming to the LIDRS? If not, explain below.	<input type="checkbox"/>	<input type="checkbox"/>
Was an archaeological remain documented during the day. If yes, include required information below.	<input type="checkbox"/>	<input type="checkbox"/>
Was an exceptional archaeological remain identified during the day? If yes, explain below.	<input type="checkbox"/>	<input type="checkbox"/>
Have the construction activities affected a previously unidentified property or a known historic property in an unanticipated manner? If yes, explain below.	<input type="checkbox"/>	<input type="checkbox"/>
Has there been a change in the scope of work of the project? If yes, explain below.	<input type="checkbox"/>	<input type="checkbox"/>

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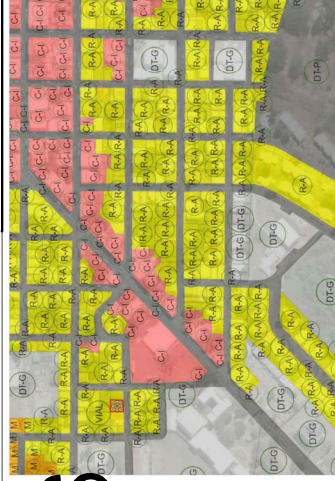
	PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM: Social Interest Housing (SIH) PROGRAM ARCHAEOLOGICAL MONITORING DAILY RECORD OF ACTIVITIES
Case ID:	Project Location (Street Address):
City:	Project Coordinates:

Site Photos	
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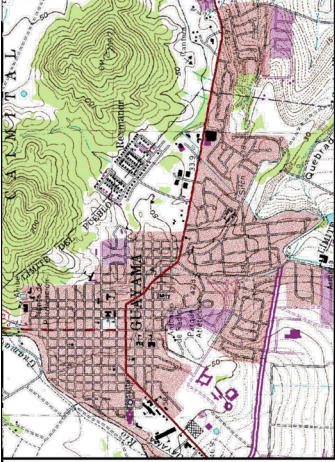
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<p>Direction of Photo: Click here to enter text. Description: Click here to enter text.</p>	
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DIBUJOS ESQUEMATICOS PARA LA CREACION DE 4 APARTAMENTOS EN EL MUNICIPIO DE GUAYAMA

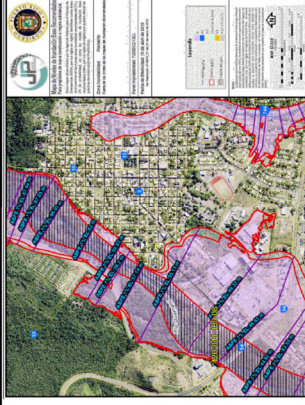


MAPA CALIFICACION



PLANO DE LOCALIZACION

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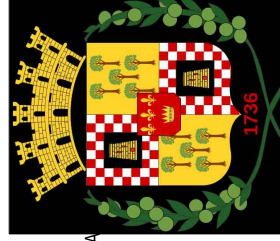


CONDENSADO IND 83

ESCALA = 1:120,000



PONCE NEIGHBORHOOD HOUSING
SERVICES, INC.



MUNICIPIO DE GUAYAMA
HON. O'BRAIN VÁZQUEZ MOLINA
A L C A L D E

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NO.	REVISIONS	DATE	BY
11	FEB 22		

11 FEB 22

WORKING DRAWINGS FOR THE CONSTRUCTION OF THE
GUAYAMA
CONCEPTUAL DESIGN



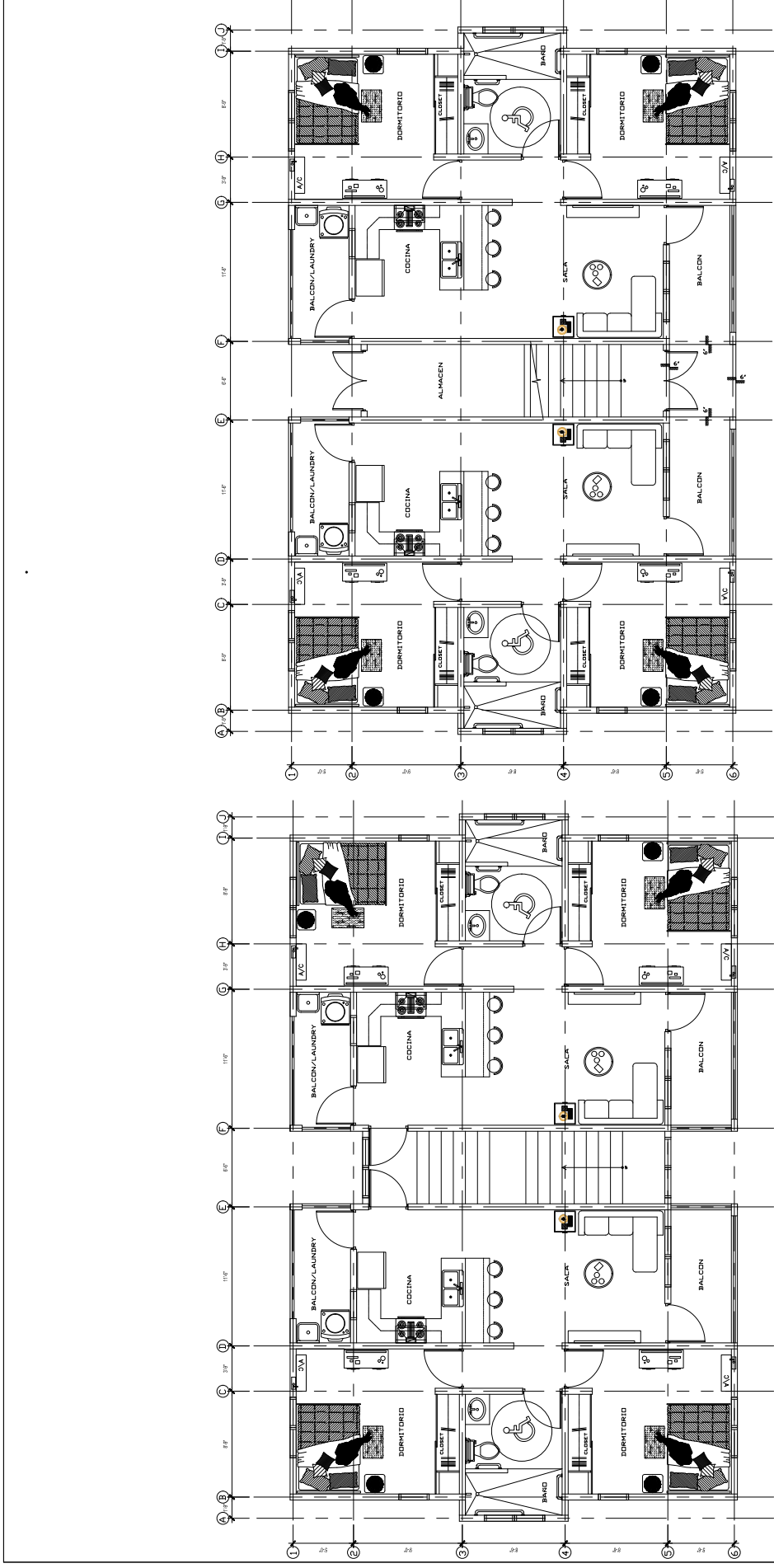
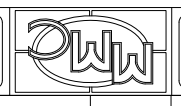
TITULO

Project:
MMC-22-001
Date:
JULIO 2020
Reviewed by:
JULIO 2020

1 of 1

T-1.0

MASTER MANAGEMENT & CONSULTANTS
787-515-7426 EMAIL: info@mmcgroup.com



AREAS :
 LIVING AREA = 765.00 SOFT.
 BALCONY = 55.00 SOFT.
 TOTAL AREA = 820.00 SOFT.

DISEÑO CONCEPTUAL PRINCE NMS - LOTE A & B
 PLANTA DE PISO PRIMER NIVEL PROPUUESTO
 ESCALA 1/4" = 1'-0"

AREAS :
 LIVING AREA = 802.00 SOFT.
 BALCONY = 122.00 SOFT.
 TOTAL AREA = 924.00 SOFT.

DISEÑO CONCEPTUAL PRINCE NMS - LOTE A & B
 PLANTA DE PISO SEGUNDO NIVEL PROPUUESTO
 ESCALA 1/4" = 1'-0"

- LEYENDA
- CONCRETO REFORZADO O COLUMNAS
 - ① NUMERO DE IDENTIFICACION DE PUERTAS
 - Ⓐ NUMERO DE IDENTIFICACION DE VENTANAS
 - N.C. NO INCLUIDO EN CONTRATO

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ELEVACION CALLE ENRIQUE GONZALEZ
Sheet: 1 of 1

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1 of 1

A-1.1

Project: MMC-22-001
Drawing No: 11/020
Reviewed by: JLLGDO

ELEVACION
CALLE MONSERATE



WORKING DRAWINGS FOR THE CONSTRUCTION OF THE
CONCEPTUAL DESIGN
GUAYAMA

Date: 11 FEB 22
Scale:

REVISIONS	
SYMBOL	DATE BY

MASTER MANAGEMENT & CONSULTANTS
P.O. BOX 5201 YAUCO PR. 00688
MOBILE: 787-915-7428 EMAIL: jllugo@mmc.com



October 20, 2022

Arch. Carlos A. Rubio Cancela

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

The U.S. Department of Housing (HUD) approved the allocations of Community Development Block Grant (CDBG-DR) funds on February 9, 2018. It also approved the allocation of Community Development Block Grant Mitigation (CDBG-MIT) funds on January 27, 2020. The purpose of these allocations is to address unsatisfied needs as a result of Hurricanes Irma and Maria in September 2017; and to carry out strategic and high-impact activities to mitigate disaster risks and reduce future losses.

To comply with the environmental requirements established by HUD, the Department of Housing of Puerto Rico (PRDOH) contracted Horne Federal LLC to provide environmental registry review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs.

In line to expedite the processes, Horne Federal LLC, is authorized to submit to the State Historic Preservation Officer, documentation of projects related to both the CDBG-DR and CDBG-MIT on behalf of PRDOH.

Cordially,

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT



GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Appendix D: Case 2021-DR0199A

DNL Calculator

[Home \(/\)](#) > [Programs \(/programs/\)](#) > [Environmental Review \(/programs/environmental-review/\)](#) > DNL Calculator

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the [Day/Night Noise Level Calculator Electronic Assessment Tool Overview \(/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/\)](#).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID

PR-SIH-00029B#02 - Lote B

Record Date

26/10/2022

User's Name

JLugo

Road # 1 Name:

PR-3 Guayama

Road #1

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input checked="" type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	<input type="text" value="845"/>	<input type="text" value="845"/>	<input type="text" value="845"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="45"/>	<input type="text" value="40"/>	<input type="text" value="35"/>
Average Daily Trips (ADT)	<input type="text" value="15430"/>	<input type="text" value="4408"/>	<input type="text" value="2204"/>
Night Fraction of ADT	<input type="text" value="10"/>	<input type="text" value="5"/>	<input type="text" value="0"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>
Vehicle DNL	<input type="text" value="49"/>	<input type="text" value="51"/>	<input type="text" value="54"/>
Calculate Road #1 DNL	<input type="text" value="57"/>	<input type="button" value="Reset"/>	

Airport Noise Level

Loud Impulse Sounds? Yes No

Combined DNL for all Road and Rail sources

Combined DNL including Airport

Site DNL with Loud Impulse Sound

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - Contact your Field or Regional Environmental Officer (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (</resource/3822/day-night-noise-level-assessment-tool-user-guide/>)

Day/Night Noise Level Assessment Tool Flowcharts (</resource/3823/day-night-noise-level-assessment-tool-flowcharts/>)

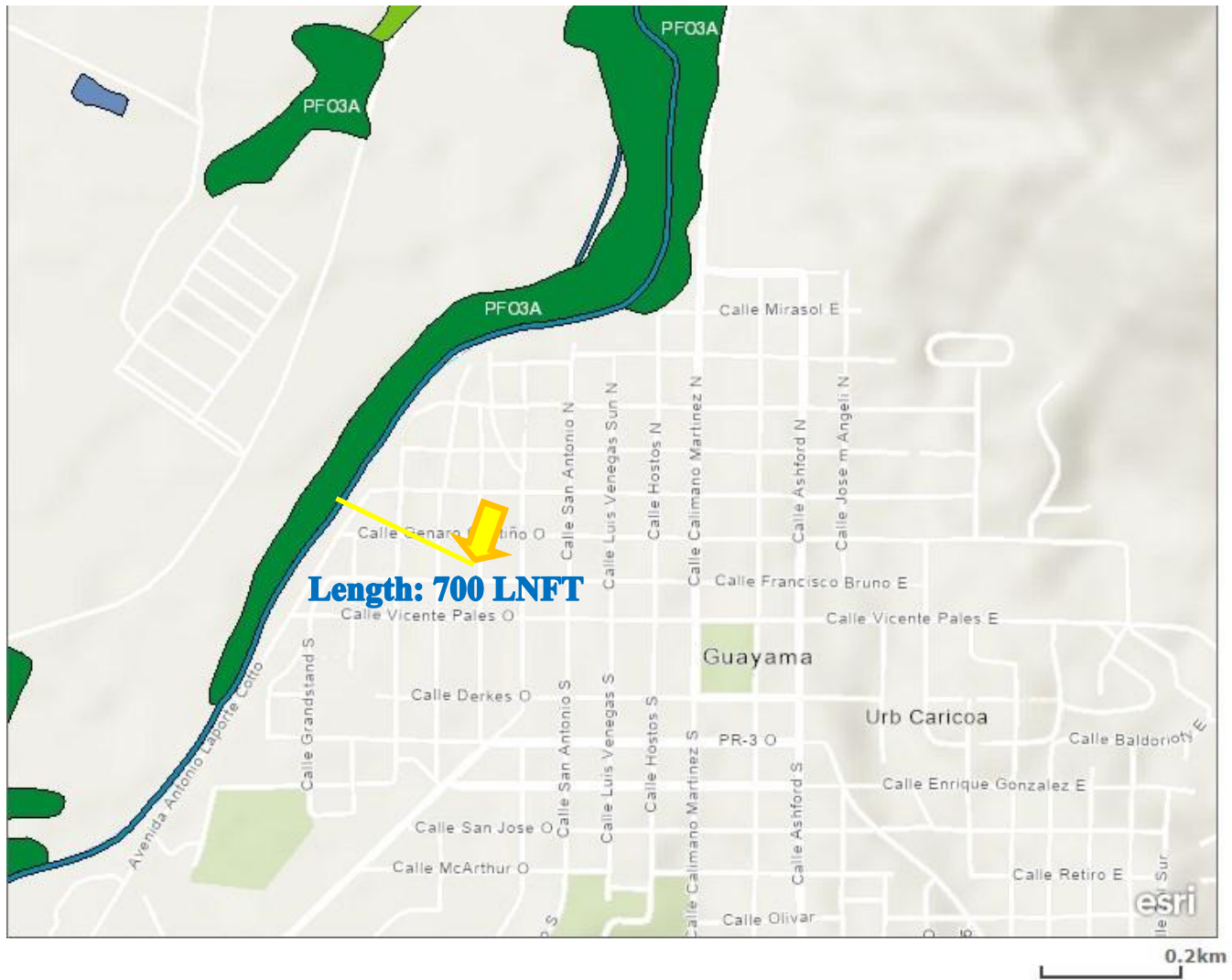


GOVERNMENT OF PUERTO RICO
Department of Housing



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Apartments
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17.98699467, -66.11637820

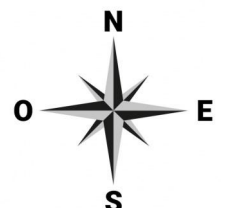
Figure 11: Case 2021-DR0199A— Wetlands Protection



<https://www.fws.gov/wetlandsmapservice/rest/services/Wetlands/MapServer>

Legend:

- | | |
|-----------------------------------|-----------------|
| Estuarine and Marine Deepwater | Freshwater Pond |
| Estuarine and Marine Wetland | Lake |
| Freshwater Emergent Wetland | Other |
| Freshwater Forested/Shrub Wetland | Riverine |





GOVERNMENT OF PUERTO RICO
Department of Housing



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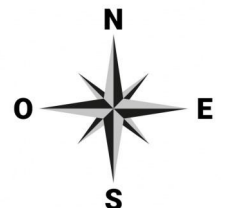
Figure 12: Case 2021-DR0199A—Wild & Scenic Rivers



https://apps.fs.usda.gov/arcx/rest/services/EDW/EDW_WildScenicRiverSegments_01/MapServer/2

Legend:

National Wild and Scenic River Line



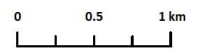
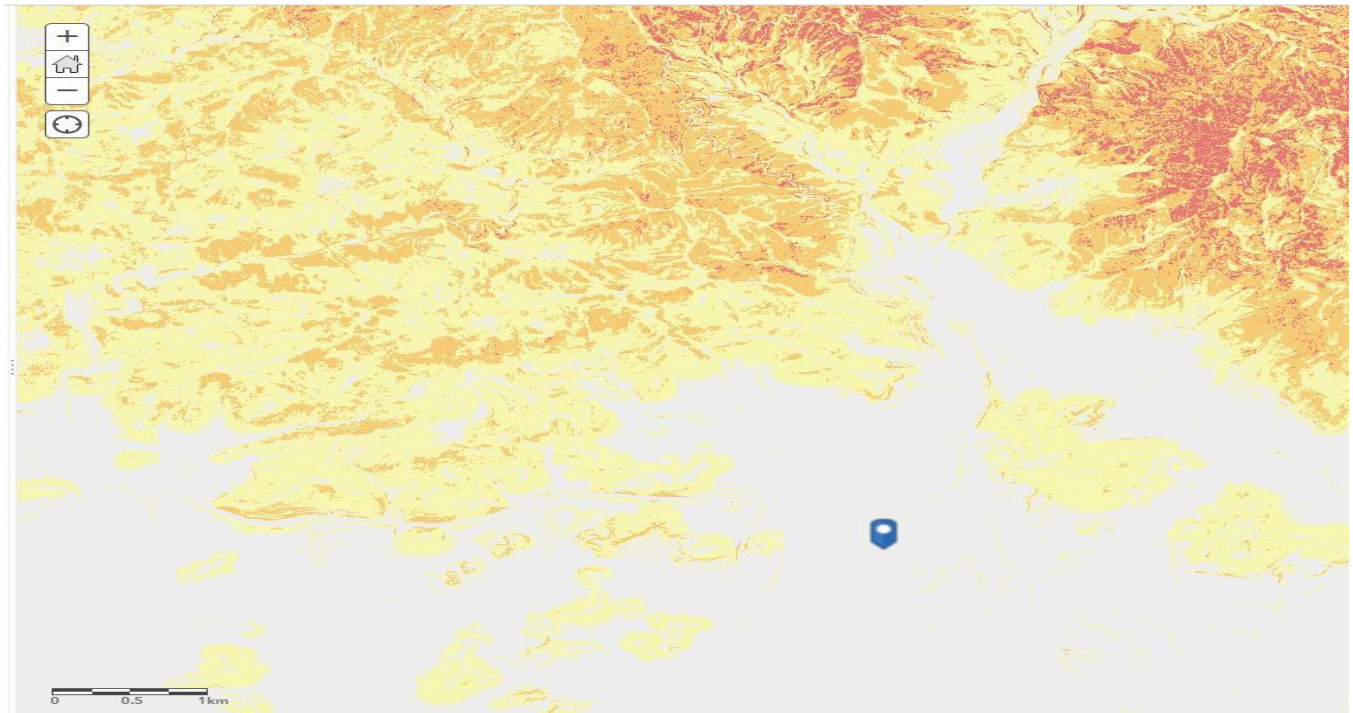


GOVERNMENT OF PUERTO RICO
Department of Housing



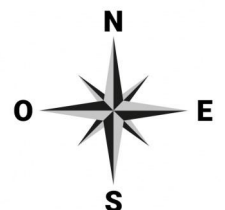
PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
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420-032-056-07
17.98699467, -66.11637820

Figure 13: Case 2021-DR0199A—Landslide Susceptibility



https://tiles.arcgis.com/tiles/v01gqwm5QqNysAAi/arcgis/rest/services/PR_Landslide_Susceptibility/MapServer

Legend:





GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Appendix E: Case 2021-DR0199A

Project Site Photos 1-2



GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
Calle Monserrate No. 45
Guayama PR 00785
420-032-056-07
17.98699467, -66.11637820

Case 2021-DR0199A Photo No. 1





GOVERNMENT OF PUERTO RICO
Department of Housing



PR-SIH-00029B #02
Lote B, Guayama - Monserrate
Apartments
Calle Monserrate No. 47 con
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Case 2021-DR0199A Photo No. 2

