



Gobierno Municipal de Vega Alta

Isabelo Molina Hernández
Alcalde

September 27, 2016

Eng. Sergio Bosques
Regional Storm Water Coordinator
Caribbean Environmental Protection Division
City View Plaza II – Suite 7000
#48 Rd. 165 km 1.2
Guaynabo, PR 00968-8069

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US EPA
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**NOTICE OF INTENT-NOI- MUNICIPALITY OF VEGA ALTA
FOR STORM WATER DISCHARGES FROM SMALL MS4s IN URBANIZED AREAS**

As part of the provisions of the Clean Water Act, Section 402 (p) requires that storm water discharges, associated with municipal separate storm sewer system (MS4s) in urbanized areas, to waters of the US must be authorized by a National Pollutant Discharge Elimination System (NPDES) permit.

In order to comply with this requirement, we are submitting our Notice of Intent (NOI) for the NPDES Permit no. PRR040026. The updated SWMP document will be modified in the next 6 months as required in Section 1.11 of the 2016 signed permit, and pursuant to Title 40, Part 122.34 Subpart B, or Permit Application and Special NPDES Program Requirements. The Municipality of Vega Alta has the intention of comply with the Permit's provisions and EPA requirements.

If you need additional information, do not hesitate to contact us at the Mayor's Office at 787-270-1200 or via e-mail at dechevarria@vegaalta.pr.gov.

Sincerely,

Hon. Isabelo Molina Hernández
Mayor

Enclosure
Notice of Intent

GOBIERNO MUNICIPAL DE VEGA ALTA

NOTICE OF INTENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II, REGULATED
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4's)

INDIVIDUAL PERMIT

MUNICIPALITY OF VEGA ALTA

EPA REGION 2 PUERTO RICO

PREPARED BY
ECOSTAHLIA CONSULTORES AMBIENTALES
SAN JUAN, PUERTO RICO

United States Environmental Protection Agency
National Pollutant Discharge Elimination System
Notice of Intent (NOI) for coverage under the Small Municipal Separate
Storm Sewer System (MS4) General Permit (PRR040000) for Puerto Rico

Part A. General Information

1. Name of Municipality or Organization: Municipality of Vega Alta
2. Type: ☐ Federal ☐ State ☒ Municipality ☐ Other: _____
3. Existing Permittee: ☒ Yes ☐ No If yes, provide EPA NPDES Permit Number: P R R 0 4 0 0 2 6
4. Location Address:
 - a. Street: Carr. #2 Km 30.8
 - b. City: Vega Alta State: PR Zip Code: 00692
5. Mailing Address:
 - a. Street: P.O. Box 1390
 - b. City: Vega Alta State: PR Zip Code: 00692
6. Telephone Number: 787-270-1200 Fax: _____
7. E-mail: dechevarria@vegaalta.pr.gov
8. Standard Industrial Classification (SIC) Code (see instructions for common codes): 9199
9. Latitude: (use the format provided.) Longitude: (use the format provided.)
2.2.4.2 Approximate center of the regulated portion of the MS4.

18.413600 ° N (degrees decimal)

-66.321363 ° W (degrees decimal)

Part B. Primary MS4 Program Manager Contact Information

1. Name: Darling Echevarría
2. Position Title: City Administrator
3. Stormwater Management Program (SWMP) Location (web address or physical location):

4. Mailing Address:
 - a. Street: P.O. Box 1390
 - b. City: Vega Alta State: PR Zip Code: 00692

EPA Region 2 Small MS4 General Permit

5. Telephone Number: 787-270-1200

6. E-mail: dechevarria@vegaalta.pr.gov

Part C. Eligibility Determination

1. Endangered Species Act (ESA) determination complete? ☒ Yes ☐ No
- a. Eligibility Criteria (check all that apply): ☐ A ☐ B ☐ C ☐ D ☒ E ☐ F
2. National Historic Preservation Act (NHPA) determination complete? ☒ Yes ☐ No
- a. Eligibility Criteria (check all that apply): ☐ A ☒ B ☐ C ☐ D

Part D. Map/Boundaries

MS4/Organization Description of regulated boundaries (narrative):

The Municipality of Vega Alta is located on the north coast of Puerto Rico delimited by the Atlantic Ocean to the north, the municipalities of Morovis and Corozal to the south, the Municipality of Vega Baja to the west and the Municipality of Dorado and Toa Alta to the east. Vega Alta is part of the San Juan Metropolitan Region about 18 miles east from the capital city of San Juan. It is formed by eight wards: Bajura, Candelaria, Cienegueta, Espinosa, Maricao, Mavilla, Sabana and Vega Alta downtown.

The Municipal surface is comprised of 72.8 square kilometers, the equivalent to 28 square miles. The estimated square mileage served by the MS4 is 9.5. The Vega Alta population is 39,951 inhabitants according to the Census of 2010. The population density was 1,426 per square mile of land. Most of them are concentrated in the north along the Atlantic Ocean in the Sabana ward and along the corridor of PR #2 in the Espinosa ward where the Central Business and Service District is located. This can be explained since Sabana is the only coastal ward and has been urbanized by developments associated with coastal (tourist) land uses, while Espinosa contains most of the suburban development associated to the traditional urban center.

As a Summary, Vega Alta is part of two main watersheds. To the west side of Vega Alta flows from south thru north the Cibuco River, which is born in the east side of Cuchillas Ward in the Municipality of Corozal. Also through the Municipality flows the Mavilla River, Indio River and Honda creek. In the east side of Vega Alta flows the Lajas River which is part of the La Plata River watershed.

3. Location Map/Boundaries. A location map must be attached showing the pertinent city, town, wards, or boundaries, the boundaries of the Small MS4, including surface water body(s), and the "urbanized area" (UA) when applicable.

Is map attached? ☒ Yes ☐ No

Part E. MS4 Infrastructure (if covered under the 2006 general permit)

1. Estimated Percent of Outfall Map Complete? (Section 4.2.3 of 2006 general permit): 0 %
- a. If 100% of 2006 requirements are not met, enter an estimated date of completion: 06/30/2017
(MM/DD/YYYY)
- b. Web address where MS4 map is published:
If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission.

EPA Region 2 Small MS4 General Permit

Part F. Bylaw/Ordinance Development (if covered under the 2006 general permit)

1. Illicit Discharge Detection and Elimination (IDDE) authority adopted? ☒ Yes ☐ No

a. Effective Date or Estimated Date of Adoption: 20/05/2014
(MM/DD/YYYY)

2. Construction/Erosion and Sediment Control authority adopted? ☒ Yes ☐ No

a. Effective Date or Estimated Date of Adoption: 20/05/2014
(MM/DD/YYYY)

3. Post-Construction Stormwater Management adopted? ☐ Yes ☒ No

a. Effective Date or Estimated Date of Adoption: 06/30/2017
(MM/DD/YYYY)

Part G. Receiving Waters

List the names of all surface waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments. You may attach additional information.

Waterbody Segment that receives flow from the MS4	Number of Outfalls into receiving waterbody segment	Has any monitoring been performed to outfalls? (Yes/No)	List of Pollutant(s) causing impairment (if applicable)	List of TMDL Pollutant (s) (if any)
Río Cibuco	22 were identified between 2014 and 2016	No	Cyanide, total coliform, turbidity	Cyanide, total coliform, turbidity
Quebrada Honda (Tributary of Cibuco River)	32 were identified between 2014 and 2016	No	Cyanide, total coliform, turbidity	Cyanide, total coliform, turbidity
Atlantic Ocean (Punta Cerro Gordo to Punta Boca Juana)	29 were identified between 2014 and 2016	No	pH	

Part H. Summary of Stormwater Management Program (SWMP) under the 2006 Small MS4 General Permit

For every measurable goal and associated Best Management Practice (BMP) listed in the adopted program, provide the following information (You may include additional pages):

BMP Description or BMP ID (e.g. MCM-1)	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification(s) to goals or BMP for next permit cycle
MCM-1 Public Education & Outreach				
Municipal outreach programs	Yes	Yes	Public Meetings, School Lectures	Number of student impacted at the events. More than 300 students throughout the public school system
Educational displays, pamphlets, booklets, bill inserts	Yes	Yes	Residents, students and general public. Written information was distributed to students throughout the public school system in the Municipality	None. Was completed during last permit, but the municipality is expecting to continue with the BMP.
Stormwater outreach materials	Yes	Yes	Commercial offices and establishments	The municipality will distribute more pamphlets thru the media outlets.
MCM-2 Public Involvement & Participation				
Reforestation programs	No	Yes	Identify areas that need reforestation. Involve the communities around these areas. Issues during the planning delayed the efforts.	None. It will continue in the next cycle.
Stream cleanup	Yes	Yes	Establish a stream cleanup program	None. It will continue in the next cycle.
Adopt a stream program	No	Yes	Communities near water bodies. Lack of funding delayed the implementation.	None. It will continue in the next cycle.

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Watershed organizations	No	Yes	The communities around the urban center. The lack of funding and the administrative structure to complete the task.	None. It will continue in the next cycle.
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Part H. Summary of Stormwater Management Program (SWMP) under the 2006 Small MS4 General Permit

For every measurable goal and associated Best Management Practice (BMP) listed in the adopted program, provide the following information (You may include additional pages):

BMP Description or BMP ID (e.g. MCM-1)	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification(s) to goals or BMP for next permit cycle
MCM-3 Illicit Discharge Detection and Elimination Program				
Develop a stormwater sewer system map	No	Yes	Urban areas. Reduction on local funding delayed the task. It will be implemented in the next cycle.	No modifications. The Municipality will continue with the task in the next cycle.
Implement the ordinance prohibiting illicit discharges	Yes	Yes	City wide	Continue with the implementation.
Develop a plan to detect and address these illicit discharges	Yes	Yes	City wide	The Municipality will continue with the effort during the new cycle.

Part H. Summary of Stormwater Management Program (SWMP) under the 2006 Small MS4 General Permit

For every measurable goal and associated Best Management Practice (BMP) listed in the adopted program, provide the following information (You may include additional pages):

BMP Description or BMP ID (e.g. MCM-1)	Goal Achieved? (Yes/No)	Continued in next permit cycle? (Yes/No)	Who was the targeted audience? Explain reason for not achieving goal.	Modification(s) to goals or BMP for next permit cycle
MCM-4 Construction Site Storm Water Runoff Control				
Procedures for reviewing construction site plans	Yes	Yes	Developers and Contractors.	The Municipality will continue with the implementation of the task.

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Procedures for inspections and enforcement of storm water requirements at construction sites	Yes	Yes	Developers and Contractors. An SOP was developed by the Municipal Environmental Contractor	The Municipality will continue with the implementation of the task.
MCM-5 Post Construction and Re-Development Storm Water Program				
Enforce the maintenance of the stormwater infrastructure	Yes	Yes	City wide	No changes. The effort will continue during the next cycle.
Promote new alternatives for construction sites to reduce imperviousness	No	Yes	City-wide. The lack of funding delayed the implementation of the task.	The Municipality will continue with the implementation of the task.
MCM-6 Pollution Prevention and Good Housekeeping				
Municipal employee training and education program	Yes	Yes	Municipal employees.	The effort will continue during the next cycle.

Part I. 2016 Stormwater Management Program (SWMP) Summary

Public Education and Outreach (See Section 2.4.2 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Education Topic (Identify the issue your BMP is educating the public about.)	Outreach Method (Describe the method used to convey this topic, e.g. mailing, events, school, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., number mailing sent, people at event, class participation, etc.)
BMP-1 Storm Drain Stenciling Program	Non-Point Sources and Illegal Discharges	Storm Drains Stenciling	Number of storm water inlets painted and volunteers participating. The target is to have a minimum of 50 drains marked on yearly basis.
BMP-2 Annual Cleanup	Non-Point Sources	Volunteer and residents' participation	Number of tons of debris and recyclables collected during the cleanup events. The target is to collect 1 ton per year but to reduce the amount based in the success of the program.
BMP-3 Public Education Program	Illegal Discharges, Non-Point Sources and Erosion Control	Public Meetings, School Lectures	Number of residents attending the events. To target 200 students every year city-wide.
BMP-4 Community Hotline	Illegal Discharges and Non-Point Sources	Thru the general outreach activities, the Municipality encourages the use of the hotline to address the problems.	Number of calls and referrals to correct illegal discharges and non-point sources of pollution.
BMP-5 Social Media Education Campaign	Illegal Discharges, Non-Point Sources and Erosion Control	Posting of educational clips and messages in Facebook, Twitter, Instagram and Snapchat	Number of messages distributed, shared and viewed on a weekly basis.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Public Involvement and Participation (See Section 2.4.3 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will inspire public participation, e.g. special events, volunteer sampling and monitoring efforts, household hazardous waste recycling, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., participation, amount of sampling performed, waste collected, etc.)
BMP-1 Storm Sewer System Map	Then Municipality is required to develop an inventory of all municipal stormwater infrastructure.	Create a map inventory of all the stormwater infrastructure in the urban area of the Municipality.
BMP-2 Implement Regulations to Enforce Non-Storm Discharges	The Municipality will start train its employees and implement the approved ordinance throughout its territory.	It is expected to start in the first semester of 2017. Reduction in illicit discharges and connections.
BMP-3 Meet with Local Community Groups and Organizations to Involve them in Stormwater Efforts	The Municipality propose the use of public meetings through the community as a mean to request their involvement in the efforts coordinated by the administration.	The number of volunteers and the total number of communities covered during the public meetings.
BMP-3 Develop and conduct periodical focus groups to discuss the current issues related to pollution from storm-waters	The Municipality propose the use of focus groups through the community as a mean to request their involvement in the efforts coordinated by the administration.	The number of volunteers participating during the focus groups and the number of issues identified and fixed.
BMP-4 Conduct Public Hearings to address Stormwater issues	The Municipality propose conducting a yearly Public Hearing to address the most pressing issues related to pollution from Stormwater runoff.	The number of participants and issues identified and resolved as a result from the Public Hearing.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Illicit Discharge Detection and Elimination (See Section 2.4.4 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will identify and remove illicit connections from the MS4, e.g. new regulations, investigation practices, removal of illicit connections, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of investigation performed, identified and removed illicit connections, etc.)
BMP-1 Prepare and implement an ordinance targeting illegal discharges at the storm sewer system	The Municipality propose to present a local ordinance and the necessary regulation targeting illegal discharges into the storm sewer system.	The number of discharges identified and corrected on a yearly basis.
BMP-2 Adopt a Stream Program	The Municipality propose the development of an adoption program with local partners aimed to target one of the water bodies located within the urban area of Vega Alta.	The number of streams or meters adopted and the improvement of the surface water quality of the streams.
BMP-3 MS4Web Permit Manager Tool	Vega Alta propose the use of the MS4Web Permit Manager as a mean to provide local residents and municipal managers with an internet based tool to access data on illegal discharges and all storm water outfalls in the city and how to address the issue of illegal discharges.	Number of residents and local managers using the Internet-based tool.
BMP-4 Used Oil Recycling Program	The Municipality of Vega Alta will implement the Cease the Grease Program as part of the city-wide effort to reduce the illegal discharge of used cooking oil in the storm sewer system and surface water bodies.	The number of gallons of used cooking oil recycled city-wide
BMP-5 Basic Surface Water Quality Monitoring Project	A basic surface water quality monitoring program will be established in a selected stream using parameters like pH, Temperature and Fecal Coliforms	Data from streams will be compared to data obtained on a regular basis by the PR Environmental Quality Board

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Construction Site Stormwater Runoff Control (See Section 2.4.5 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will help control stormwater runoff at construction sites, e.g. new regulations, construction practices, inspection protocols, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of inspections performed and sites actively regulated, etc.)
BMP-1 Ordinance to control runoff from construction sites	The Municipality will prepare, approve and adopt an ordinance specifically targeting runoff from construction sites impacting the stormwater sewer system covered by the permit.	The number of interventions and sites corrected. 100% inspection rate city-wide.
BMP-2 Construction Sites Annual Inventory	Then Municipality is required to develop an inventory of all public and private construction projects. The local government propose the use of the MS4Web Permit Manager to create and maintain the inventory identifying all construction sites. The tool helps the local managers to update the information as needed. All documents associated with the projects will be added in PDF format during the inspections and will be ready available to the inspectors.	The number of projects identified and certified ion compliance with the permit.
BMP-3 Development of SOPs for Construction Permits.	The Municipality propose the development of a Construction SOP aimed to provide developers with new means to address regulation requirement and for inspectors to identify deficiencies during inspections.	Number of Projects city-wide visited and brought into compliance with local ordinance and USEPA regulations.
BMP-4 BMPs during construction Poster	The Municipality will prepare and distribute a poster aimed to contractors and construction projects with BMPs specifically design to reduce impacts to the stormwater runoff from construction activities.	A 100% coverage of active and permitted construction projects city-wide.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

Post-Construction Stormwater Management in New Development and Redevelopment (See Section 2.4.6 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will control stormwater runoff from properties after they are developed, e.g. new regulations, practices, or resources for contractors to use Low Impact Development (LID), etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of implemented practices, development of capacity building resources, etc.)
BMP-1 Ordinance to control runoff pollution from post-construction projects	The Municipality will prepare, approve and adopt an ordinance specifically targeting runoff from post-construction projects impacting the stormwater sewer system covered by the permit.	The number of interventions and sites corrected. 100% inspection rate city-wide.
BMP-2 Standard Operating Procedures for Post-Construction Projects	The Municipality of Vega Alta propose to develop procedures to avoid runoff impacts to nearby surface waterbodies from stormwater controls located on completed construction projects. This will include impacts from retention ponds or non-covered areas prone to high rates of sedimentation.	Number of projects visited and certified in compliance with local ordinances and USEPA regulations.
BMP-3 Brochures	A series of brochures will be developed to be distributed among residents and managers of new and old housing and apartment projects city-wide aimed to educate them in good practices to avoid impacts to the existing stormwater infrastructure.	To distribute no less than 100 copies on a yearly basis.

Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)

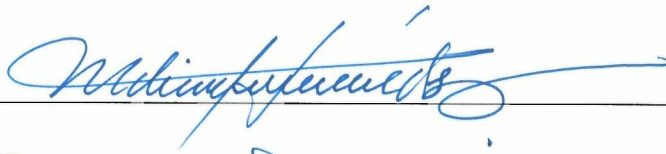
Good Housekeeping and Pollution Prevention in Municipal Operations (See Section 2.4.7 for detailed information of required BMPs):

BMP Description or BMP ID (e.g. MCM-1)	Program Description (Describe the program and how it will mitigate stormwater runoff at municipal properties or through municipal activities, e.g. installation of structural stormwater controls on the municipal properties, new practices to reduce pollutant exposure to rain events, runoff management, trainings, etc.)	Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., structural BMPs installed, SOPs developed and implemented, etc.)
BMP-1 Trainings for Municipal Employees	The Municipality will provide trainings on BMPs for mechanics, green-areas workers, painters, electricians, and clerical employees on how to address simple issues identified in the daily tasks of Municipal Operations. The trainings will cover oil, paint and fuel spills, emergency response, good housekeeping, material storage, and record keeping.	The Municipality will provide their employees with two (2) workshops/trainings every year addressing BMPs and their responsibility under the USEPA-NPDES Permit.
BMP-2 SOPs for Municipal Operations	The Municipality will develop and implement the required Standard Operation Procedures for all the operations and maintenance activities conducted daily at Municipal Public Works. The SOPs will cover all activities that may have an impact on the NPDES-MS4 permit.	Number of inspections completed and certified in compliance with local ordinances and USEPA regulations.
BMP-3 SOPs for Municipal Facilities	The Municipality will develop and implement the required SOP for the operation of municipal facilities including parks and open space maintenance, sidewalks, streets and roads; and auto yards.	Number of inspections completed and certified in compliance with local ordinances and USEPA regulations.
BMP-4 Webinars on Water Quality BMPs	The Municipality propose offering a webinar to municipal employees on simple BMPs designed to protect their surface water resources.	The number of participants and efforts developed by the employees after the webinar.

Part J. Application Certification and Signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Mayor/Elected Official: _____



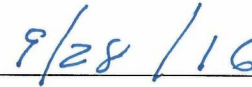
Print Name of Mayor/Elected Official: _____



Title: _____



Date: _____





Vega Alta Wards & Bordering Cities

Legend

-  Municipalities
-  Wards

Projection: Lambert
Coordinate System: NAD83 PR StatePlane



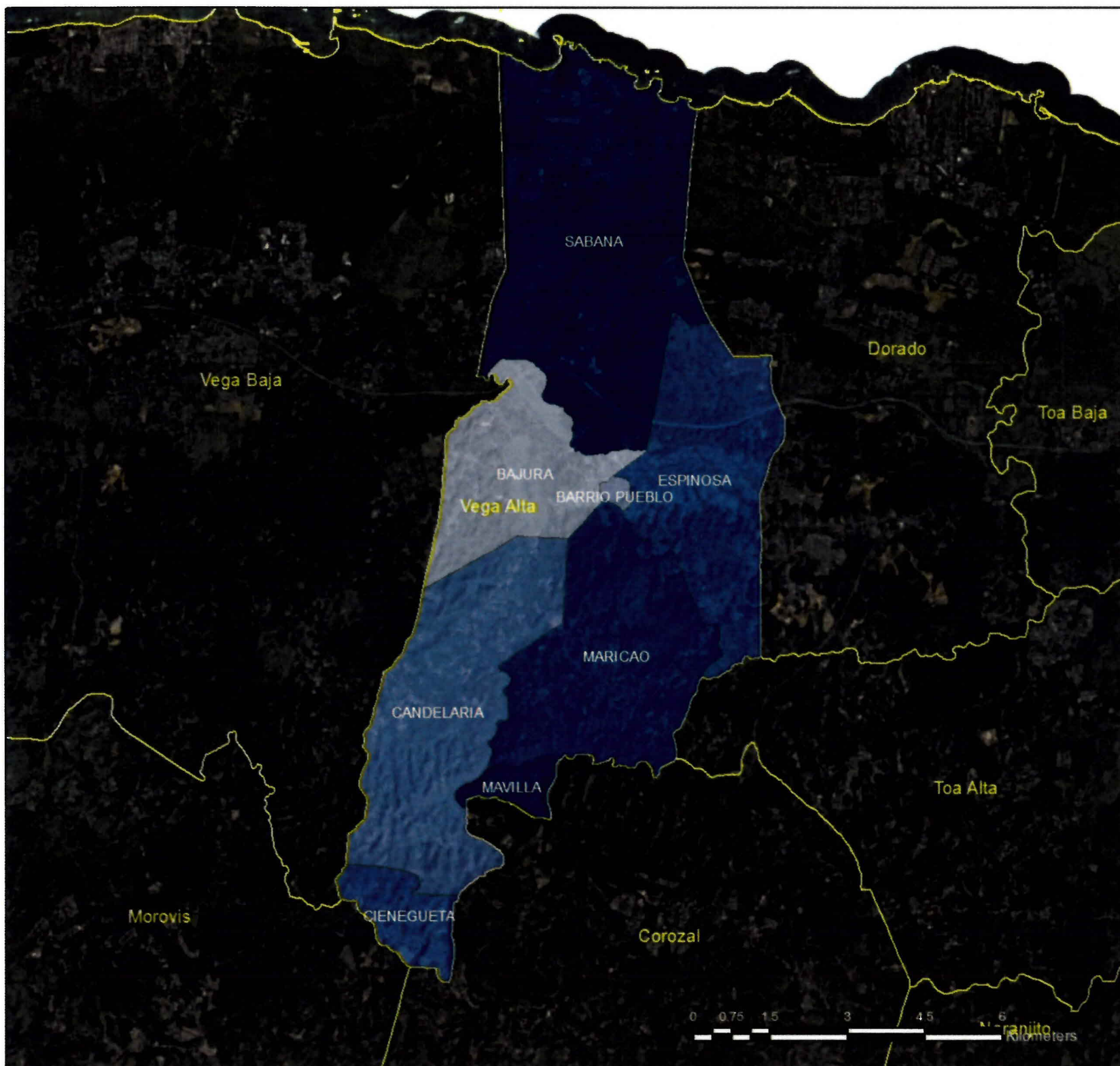
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Puerto Rico



2016





Vega Alta, PR

Census Urban Areas

Projection: Lambert
Coordinate System: NAD83 PR StatePlane



Source: JP, Census

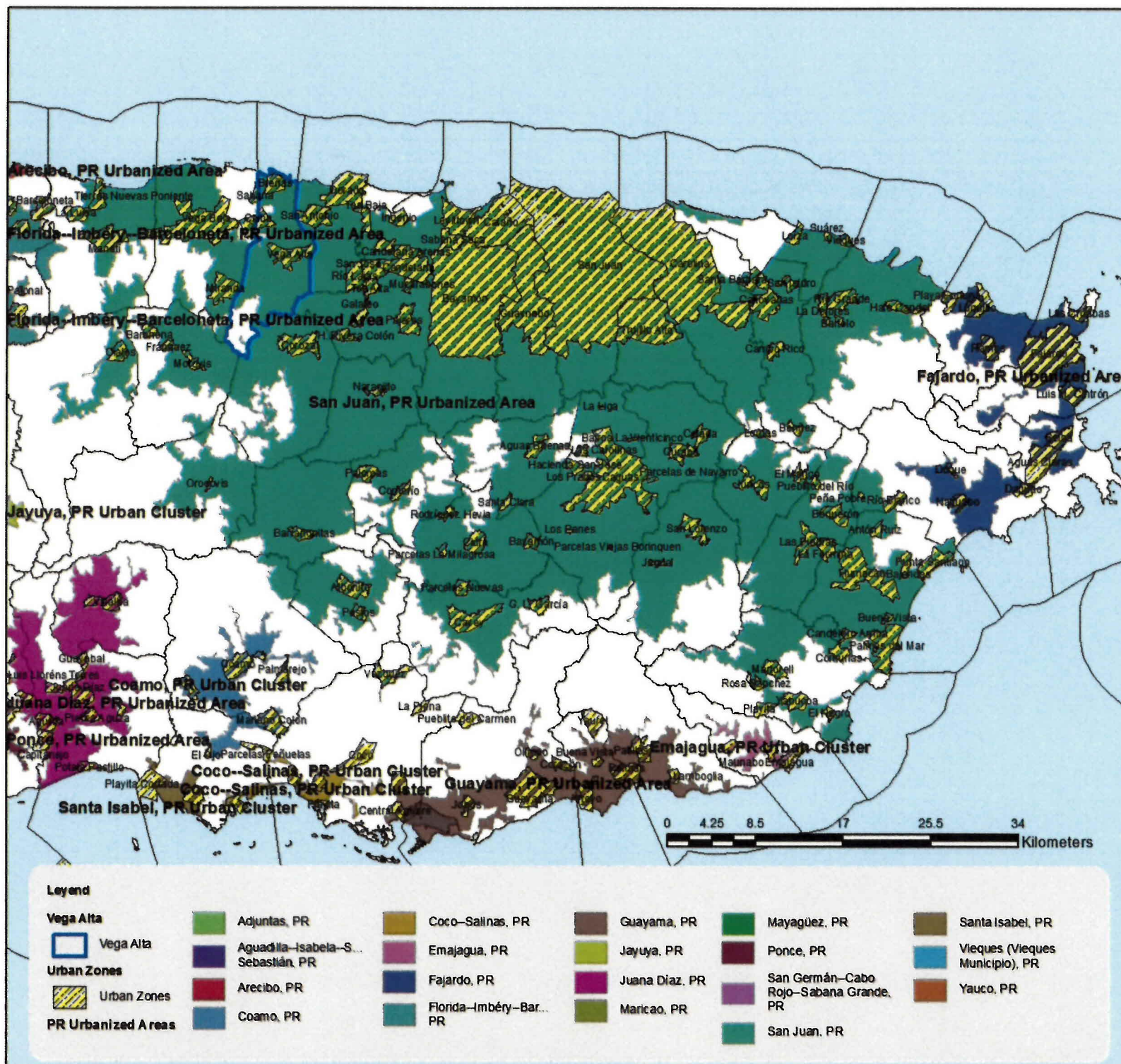
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Puerto Rico



2016





Vega Alta MS4Web Outfalls

Legend

- VA MS4Web Outfalls
- Vega Alta
- Municipalities
- Hydrography

Projection: Lambert
Coordinate System: NAD83 PR StatePlane



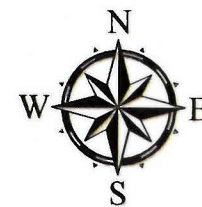
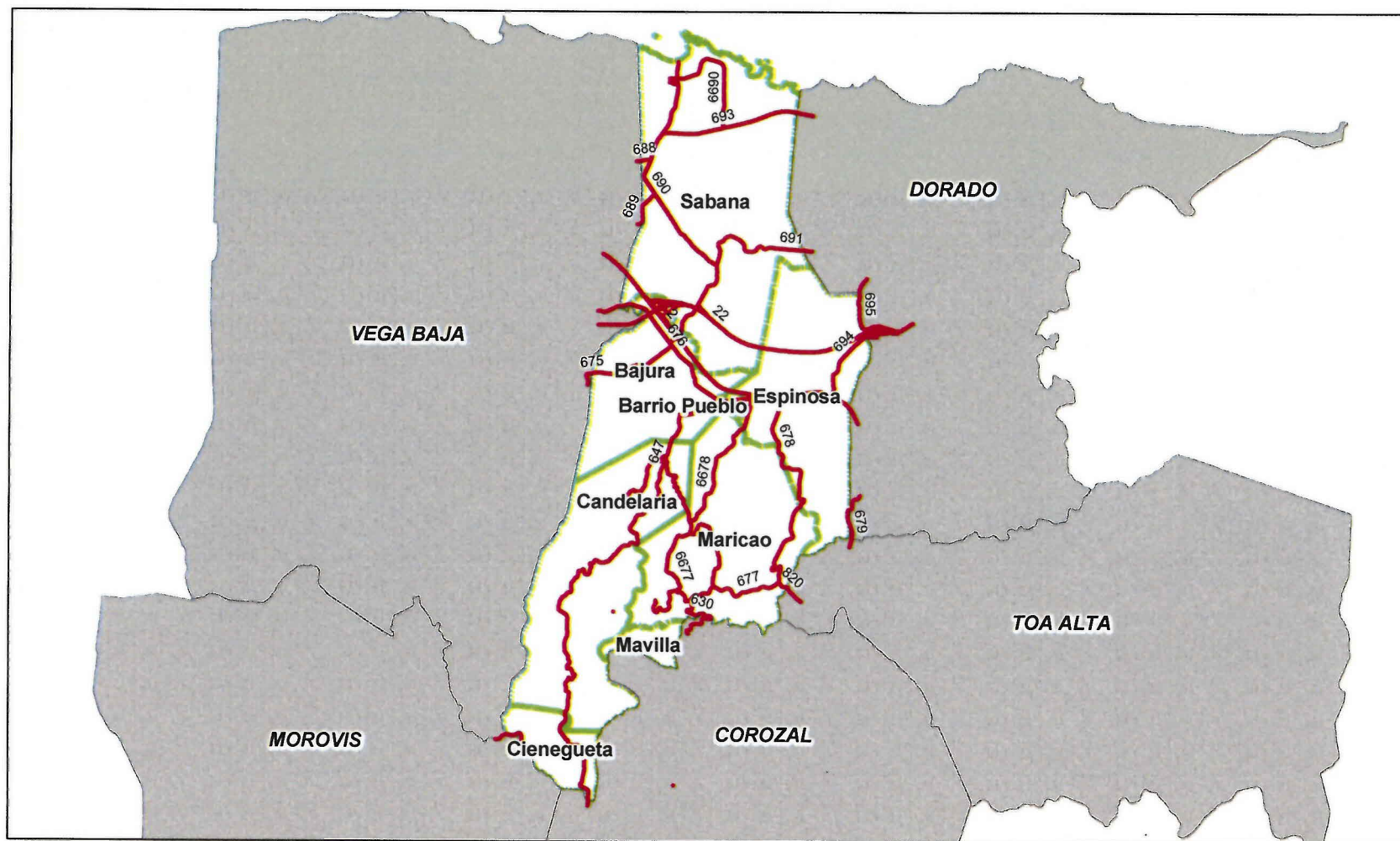
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Puerto Rico



2016

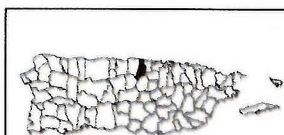


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Leyenda

- Carreteras
- Parcelario
- Barrios

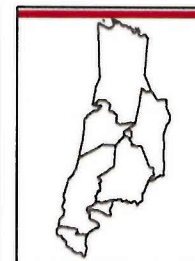
Fuente de Información: Junta de Planificación,
Centro Recaudación de Ingresos Municipales



Notas Aplicables a esta hoja:

Implementation Area for the
MS4-EPA program of the
Municipality of Vega Alta

Mapa de Localización Municipio de Vega Alta



Escudo de Vega Alta