



MUNICIPALITY OF YABUCOA

PO Box 97
Yabucoa, PR 00767-0097

Honorable Angel S. García De Jesús
Mayor

NOTICE OF INTENT

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

GENERAL PERMIT

**MUNICIPALITY OF YABUCOA
EPA REGION 2 PUERTO RICO**

**U.S. ENV. PROT. AGENCY
2010 JUN 29 PM 6: 06
CEPD-DIRECTOR OFFICE**

PREPARED BY

REVIEW BY MUNICIPALITY OF YABUCOA

JUNE 2010

MUNICIPALITY OF YABUCOA



CERTIFICATION

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 the Yabucoa Municipality properly gather and evaluate the information submitted by CGM and Associates Environmental Consultants, CSP. Based on my inquiry of the person or persons who managed 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.

A handwritten signature in black ink, appearing to read 'Angel S. Garcia De Jesus', written over a horizontal line.

Hon. Angel S. García De Jesús

Mayor

EXECUTIVE SUMMARY

The content of this report was created based on the research performed with local environmental agencies in Puerto Rico and information gathered thru meetings with community representatives from the Municipality of Yabucoa.

The Storm Water Notice of Intent presented in this report includes general information on the permittee, the nature of their business, a description of the characteristics and hydrology of the Yabucoa municipality, person(s) responsible for implementing the plan and the MS4 main users.

INTRODUCTION

In 1987 the Environmental Protection Agency (EPA) amended the Clean Water Act (CWA), requiring the implementation of a two phase program for addressing storm water discharges. On December 9, 1999 EPA published the second phase of the storm water regulations (64 FR 68721). As outlined in these regulations, municipal separate storm sewer systems (MS4's) serving populations of more than 50,000 and/or processing a density of 1000 people per square mile are required to obtain a General Phase II National Pollutant Discharge Elimination System (NPDES) Permit. The EPA is requesting municipal storm sewer operators to apply for an NPDES permit as required by 40 CFR 122.33.

The Municipality of Yabucoa is required to submit an application for permit coverage. We hereby present to the EPA, Yabucoa's Notice of Intent (NOI) to obtain the NPDES permit for the municipalitie's storm sewer system discharge.

PERMITTEE GENERAL INFORMATION

The Yabucoa MS4 is currently owned and operated by the municipality under the direction of its mayor, Hon. Angel S. García De Jesús. The Department of Transportation and Public Works (DTPW) will be the office responsible to implement and uphold the proposed storm water program. Mr. Carlos B. Morales, Director of DTPW, will be the person responsible for assuring the program maintains its proposed schedule.

The Municipality of Yabucoa is located in the southeastern region of the island at latitude, 18°03'02"N and longitude 65°52'46"W. It has a territorial extension of 55.25 square miles. It is located north of Maunabo; south of San Lorenzo, Las Piedras and Humacao; and east of Patillas.

Yabucoa possesses a population of 39,246 inhabitants, according to the 2000 Census.

Yabucoa is divided into nine (9) wards: Guayabota, Jácanas, Tejas, Limones, Aguacate, Playa, Calabazas, Juan Martín and Camino Nuevo.

Figure 1 shows the Yabucoa's wards distribution.



Figure 1:

The soil associations of Yabucoa are Pandura-Rock land-Patillas, Coloso-Toa-Bajura, Los Guineos-Humatas-Lirios and Catano-Aguadilla.

The Yabucoa hidrology consists of the following water bodies: Guayanés River, Prieto River, Arenas River, Limones River, El Ingenio River, and several creeks such as Caño Santiago, Cortadera, Aguacate, Aguas Largas and Lajas.

Figure 2 depicts the municipality's hydrology.

ACTIVITIES SUBJECT TO NPDES PERMIT APPLICABILITY

The municipality of Yabucoa operates a municipal separate storm sewer system located in the urban area of the Municipality.



Hidrology in the Yabucoa's Urban Area

The municipal urban area has a population of 3,184 and a territorial extension of approximately 0.53 square miles.

The users of the Yabucoa MS4 are residential communities, schools, and industries located in the urban region of the town. Approximately 7 schools, 1 hospital, and 5 industries have been identified within the delineated urban area of Yabucoa.

NAME, MAILING ADDRESS, AND LOCATION OF FACILITY FOR WHICH THE APPLICATION

Municipality of Yabucoa
PO Box 97
Yabucoa, PR 00767-0097

STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE

The SIC Code established by the federal Office of Management and Budget for public administration for local government activities is 9199.

OPERATOR NAME (S), ADDRESS (ES), TELEPHONE NUMBER (S)

Carlos B. Morales Ortíz
Director, Department of Transportation and Public Works
Yabucoa, Puerto Rico
787-486-1062

PERMITS OR CONSTRUCTION APPROVALS RECEIVED OR APPLIED UNDER THE FOLLOWING PROGRAMS:

Resource Conservation and Recovery Act

None

Underground Injection Control under the Safe Drinking Water Act

None

NPDES Program under the Clean Water Act

None

Nonattainment Program under the Clean Air Act

None

National Emissions Standards for Hazardous Air Pollutants Preconstruction Approvals under the Clean Air Act

None

Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act

None

Dredge or Fill Permits under Section 404 of the Clean Water Act

None

Puerto Rico Environmental Quality Board (DS-1)

None

Puerto Rico Department of Natural Resources and the Environment

Permit for the cleaning and maintenance of several creeks.

STORM WATER SEWER MAP

The Municipality of Arroyo Storm Water Sewer System in the urban area in general consist of a series of open channel culverts and catch basins, located within the right-of-way of municipal roads, interconnected by underground concrete pipes (24" - 36") which normally discharges into the Aguas Largas Creek or Caño Santiago which finally discharges into the Caribbean Sea. The urban area of the Yabucoa Municipality is mainly part of one watershed that discharges through creeks into the sea.

ESTIMATED SQUARE MILEAGE SERVED BY THE MS4

The municipal urban area has a population of 3,184 and a territorial extension of approximately 0.53 square miles.

Population density per square mile of land area is 5,801.7.

The municipality has a territorial extension of 55.25 miles of which 0.53 square miles are classified as urban area (for purposes of our MS4 management plan, only the delineated urban area is considered the service area of the municipality storm sewer system).

BEST MANAGEMENT PRACTICES

Minimum Control Measure 1 – Public Education and Outreach

- ❖ *Distribution of Storm Water Related materials: pamphlets, booklets, and flyers*
- ❖ *Webpage*

Minimum Control Measure 2 – Public Involvement and Participation

- ❖ *Annual Cleanup (rivers, streams, catch basins)*
- ❖ *Reforestation Programs*

Minimum Control Measure 3 – Illicit Discharge Detection and Elimination

- ❖ *Storm sewer system map*
- ❖ *Program to detect, identify and eliminate illicit discharges*
- ❖ *Program to detect, identify and eliminate illegal dumping*
- ❖ *Program to detect, identify and eliminate wastewater connections to the storm drain system*
- ❖ *Program to detect, identify and eliminate sanitary sewer overflows*
- ❖ *Program to detect, identify and eliminate failing septic systems*

Minimum Control Measure 4 – Construction Site Storm Water Runoff Control

- ❖ *Site Inspection and Enforcement*

Minimum Control Measure 5 – Post Construction Storm Water Management in
Development and Re-development

- ❖ *BMP Inspection and Maintenance*

Minimum Control Measure 6 – Pollution Prevention (Good Housekeeping for
Municipal Operations)

- ❖ *Municipal Employees Training*
- ❖ *Storm Drain System Cleaning Program*
- ❖ *Spill Response and Prevention Program*
- ❖ *Recycling*

**PERSON RESPONSIBLE FOR IMPLEMENTING OR COORDINATING THE
APPLICANT'S STORM WATER MANAGEMENT PROGRAM**

Carlos B. Morales
Director, Department of Transportation and Public Works
Yabucoa, Puerto Rico
787-486-1062