Estado Libre Asociado de Puerto Rico
Municipio de Coamo

Juan Carlos García Padilla
Alcalde

April 21, 2010

Mr. Sergio Bosques
Regional Storm Water Coordinator
Caribbean Environmental Protection Division
US Environmental Protection Agency, Region II
Centro Europa Building, Ste 417
1492 Ponce de León Avenue
San Juan, PR 00907-4127

NOTICE OF INTENT-NOI- MUNICIPALITY OF COAMO,
FOR STORM WATER DISCHARCHES 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 for the NPDES Permit No. PRR040000. The document includes a plan to manage storm waters, pursuant to Title 40, Part 122.34 Subpart B, or Permit Application and Special NPDES Program Requirements. The Municipality of Coamo has the intention of comply with the Permit's provisions and EPA requirements. In you need additional information, do not hesitate to contact us at the Mayor's Office at 787-825-1150 extensions 2225/2031or via e-mail at ecolon@coamo.puertorico.pr.

Sincerely,

Juan Carlos García Padilla
Mayor

Enclosure

P.O. Box 1875 Coamo, P.R. 00769; Telephone 787-825-1150; Fax (787) 825 - 6502
Email address: jcgarcia@coamo.puertorico.pr

NOTICE OF INTENT

MUNICIPALITY OF COAMO, PUERTO RICO
NPDES PERMIT NO. PRR040000 OR STORM WATER
DISCHARCHES FROM SMALL MS4s IN URBANIZED AREAS

1. The Municipality of Coamo operates a Municipal Separate Storm Sewer System and was listed as a regulated MS4 in Puerto Rico.

2. Responsible Official- Mr. Juan Carlos García Padilla
Title: Mayor of the Municipality of Coamo
Address: P.O. Box 1875 Coamo, P.R. 00769
Telephone: 787-825-1150
E-mail address: jcgarcia@coamo.puertorico.pr

3. Designated Storm Management Program Contact: Elvin Colón
Title: Administration Assistant
Address: P.O. Box 1875 Coamo, P.R. 00769
Telephone: (787)-825-1150
E-mail address: ecolon@coamo.puertorico.pr

4. SIC Number: 9199

5. List of Environmental Permits (including state)

AGENCY PERMIT	NUMBER	TYPE	FACILITY
PRDNER	O-CO-OTR11-SJ-01864-22102009	C	TELECOMM. SITE
PRDNER	O-CE-EAR02-SJ-01049-06032009	C	COAMO VILLAGE
PRDNER	O-HH-EJP07-SJ-00683-13012009	HH	LOS LLANOS ELEMENTAL SCHOOL
ARPE	10CX7-00000-00412	C	FINE ARTS SCHOOL
EQB	PGC-07-22-0031-RC	GP	RECEPTION CENTER PHASE II
ARPE	09CX7-00000-01828	C	SAN DIEGO PARK– PHASE II
EQB	CES-06-22-0331-OC	GP	THERMAL POOLS REMODELING
PRDNER	0-CO-EAR02-SJ-0006-22102004	C	MULTIFAMILY HOUSING
PRDNER	C-1087-1482-JP-CTA	C	WOOD PROCESSING PLANT
PRDNER	C-396-199-JP-CTA	C	COAMO PLAZA MALL
PRDNER	C-899-1179-JP-CTA	C	WALGREENS COAMO

UST- Underground Storage Tanks; LUST-Leaking Underground Storage Tanks; RCRA-Resources Conservation Recovery Act; SQG-Small Quantity Generator; CESQG-Conditionally Exempt Small Quantity Generator; NON GEN-Non Generator; C- Construction/Crust Removal; HH – Hydraulic Hydrological Study; GP – General Permit

6. Topographic Map- Appendix A

7. Description of MS4

The Municipality of Coamo is located in Southern part of the Island at Latitude 18° 5'N and Longitude 66°21" W. It has a territorial extension of 78 square miles. Coamo is bounded by north with the Orocovis and Barranquitas municipalities; south with the Juan Díaz, Santa Isabel and Salinas Municipalities; west with the municipalities of Villalba and Juana Díaz, and by the East with Aibonito and Salinas. Coamo is divided into 11 wards: Barrio Pueblo, Hayales, los Llanos, Pasto, San Ildelfonso, Juan Carlos García, Palmarejo, Pulguillas, Coamo Arriba, Santa Catalina and Cuyón. According to the Census 2000, the municipality has a population of 37, 597 inhabitants. The economy of the town is based on textile industries and agriculture activities such as poultry, cattle and fruits. There are over one hundred (100) poultry farmers in the area producing thousands pounds of chicken every year.

The Municipality of Coamo Store Sewer System (MS4s) in the urban area in general consists of a series of open a close channel culverts and match basins, typically located within the right-of-way of municipal and state roads, interconnected by underground concrete, corrugated steel or PVC pipes which normally discharge into intermittent creeks and ravines named Hayales, Salsa, Montería, Obispo, Cerrillos, Panes, and Agua; and later into the Coamo, Cuyón, Minas, Jueyes, Lapas, and Pasto Rivers. As the Coamo Municipality implements the proposed Storm Water Pollution Prevention Plan a complete map will be developed.

The Coamo, Cuyón, Minas, Pasto and Descalabrado rivers watersheds basically intersect the urban zone: Coamo Watershed consists on the northeast side of the urban area and runoff from this area discharges into the Coamo River and into the Caribbean Sea. This watershed also includes the Cuyón River which covers the eastern corner of the urban area. The river flows southwest and discharges into the Coamo River. Runoff from these areas will end up in the Caribbean Sea. (Appendix B)

8. Estimated square miles served by the MS4

The Coamo's urban zone is located north of PR-52. It includes its traditional urban center (Pueblo Ward). The municipality has a territorial extension of 78 square miles. Based on the 2000 Census, the municipal urban area has a population of 7,573 and a territorial extension of approximately 2 square miles (as defined by the Puerto Rico Planning Board). Based on EPA definition of *Urbanized Area*, the Coamo urban territory was delineated from this urban center, 1.5 miles from the perimeter of this area and into areas directly connected by road for purposes of the Coamo's MS4 Management Plan.

9. Description of the Best Management Practices to be implemented by the Municipality

As required by the 40 CFR 122.34, Subpart B, the Municipality of Coamo will develop a Storm Water Pollution Prevention Plan (SWPPP), to comply with the Clean Water Act previsions. The SWPPP will be based on the minimum control measures included in the paragraph (b) of the referred section. There are six minimum control measures that include: 1) Public education and outreach on storm water impacts, 2) Public Involvement and Participation, 3) Illicit discharge detection and & elimination, 4) Construction, 5) Post - Construction, 6) Pollution Prevention/Good Housekeeping. The Municipality of Coamo will develop, implement and enforce actions in each of the minimum controls measures to protect our water quality, and reduce the discharge of pollutants in our Municipality. The Best Management Practices for the SWPPP of the Municipality of Coamo will be based on the USEPA's National Menu of Stormwater Best Management Practices.

The following are the Six Minimum Control Measures and its BMP to be implemented by the Municipality of Coamo in their MS4s. Also, the Municipality recognizing the time requirements established by the USEPA on the existing regulations will be diligent on implementing these measures in order to comply with the established timeline and criteria. **Important Note: Please Refer to Table 1 to review the Measurable Goals for each Minimum Control Measure.**

1) PUBLIC EDUCATION AND OUTREACH PROGRAM

This item describes the actions to be adopted by local residents to improve local surface water quality. Thru a coordinator, the municipality will provide local residents with simple tools to help improve the surface water quality in the municipality of Coamo. The goal is to develop awareness among residents on the activities they carry on daily and are considered pollution-potential for the storm water system, and how they can avoid them.

1.1 Distribution of Storm Water related materials: Brochures, newsletters and leaflets

As recommended by the EPA's National Menu of Stormwater BMPs, the Municipality of Coamo will develop a comprehensive public outreach strategy as a first step for public education. In partnership with the U.S. Environmental Protection Agency (USEPA) and State Agencies, the municipality will develop storm water related brochures and leaflets targeting specific groups within the community as a mean to make the public aware of their behavior towards storm water pollution. Brochures and leaflets racks will be set up at libraries, schools and municipal offices. The educational materials will include information on avoiding excessive use of fertilizers, detergents and illegal dumping activities.

1.2 Local News and Media Campaign

The Municipality of Coamo will develop a campaign using the regional newspapers to reach the majority of their local residents. The ads will be focused on the issues related to stormwater pollution and the strategies developed in the SWPPP to address them. This effort will increase the exposure of citizens to information relating how to prevent stormwater pollution.

1.3 Radio Campaign

The municipality will produce 15 and/or 30-second public service announcements (PSAs) at the local AM/FM stations. The PSA' s will provide simple ideas on best management practices to improve local surface water and highlight the impacts of storm water within the community water bodies.

1.4 School Educational Campaign

The municipality will develop a stormwater outreach program aimed to the general student's population at local and private schools. Thru a coordinator the local government will produce and distribute information materials and brochures to all schools within Coamo. The educational outreach program will include videos, Power Point® presentations, and written materials.

1.5 Web Page

Using the existing Coamo's web page; ttp://www.coamo.puertorico.pr/index.htm, a space for reporting illegal discharges and landfills, documents available on PDF and Word® format, associated with the SWPPP activities will be provided by the Municipality. The website will include a counter to monitor daily hits.

2) PUBLIC INVOLMENT AND PARTICIPATION PROGRAM

The Municipality of Coamo recognizes the importance of the public involvement in the planning process and implementation of local initiative. In order to be successful, a comprehensive approach involving state, local agencies and Non Government Organizations will be used to get the support from our residents. Also, the Municipality is currently working on several projects aimed to improve surface waters in downtown Coamo. The local administration has the goal of implementing new initiatives to enhance the water quality of the Río Coamo, and in order to achieve that, they involving partners like the School of Architecture of the Catholic University to develop riparian corridor restoration programs, recycling, and urban forestry programs. Best Management Practices that may be evaluated and included in the Stormwater Management Program of the Municipality includes:

2.1. Annual Cleanup and monitoring streams catch basins

The municipality shall promote and annual cleanup that will directly involve citizens in surface water pollution prevention and make the community aware that most storms drains discharge untreated waters directly into the river and ocean. The local administration will request the support from the general public and local business and organizations to conduct cleanups of streams and surface water channels. The municipality will coordinate the disposal of the collected garbage, and recyclable materials. The recyclable materials will be separated from trash and taken to a recycling facility. Also a stenciling program will be developed targeting all urban storm drains in the urban area. This program will elicit volunteers from community and environmental groups as well as teachers to identify the storm drains.

2.2. Reforestation Programs

The municipality has identified a series of areas within the urban zone in need of reforestation. These areas will help improving surface water quality. In cooperation with the Puerto Rico Department of Natural and Environmental Resources the municipality will identify

the native species that would provide appropriate cover to help in minimizing urban runoff and improve habitat for local fauna.

3) ILLICIT DISCHARGE DETECTION AND ELIMINATION

As recommended in the EPA's National Menu of Stormwater BMPs, the Municipality of Coamo will develop an Illicit Discharge Detention and Elimination Program. This program will be developed using the Illicit Discharge Detention and Elimination: A Guidance Manual for Program Development and Technical Assessments. This section of the plan has been developed to detect and eliminate illicit discharges, as defined in 40 CFR § 122.26(b) (2), into the MS4 of the urban area in the Municipality of Coamo. The plan includes procedures for locating priority areas likely to have illicit discharge, procedures for removing the source of the discharge, and procedures for program evaluation and assessment. In order to meet the permit requirements and objectives established by the EPA, the following best management practices are to be implemented by the Municipality of Coamo:

3.1. Program to Detect Failing: Septic Systems

The Puerto Rico Environmental Quality Board (EQB) has current regulations for the proper sitting, sizing and maintenance of septic systems. The municipality will develop a program to detect failing septic systems and notify its findings to the EQB for proper enforcement. A Hotline will be provided by the Municipality to collect calls from local residents to conduct inspection on failing septic systems or illegal discharges. Inspections will be performed on an annual basis to those residential areas not served by the Puerto Rico Sewer and Aqueducts Authority. The Coamo's sanitary sewer system is limited to a portion of the urban area. Rural communities usually lack this service which forces the use of septic tanks.

3.2. Program to Direct and Eliminate Illegal Dumping

Illegal dumping is a major pollution problem faced by all municipalities in Puerto Rico and Coamo is no exception. The Hayales, Salsa, Montería, Obispo, Cerrillos, Panes, and Agua creeks are the most affected. Trough current ordinances, the municipality has prohibited illegal disposal of waste in an unpermitted area such as creeks, channels, streams and rivers or into a storm drain system. The municipality will develop and implement all procedures, programs, and actions required to appropriately enforce these regulations.

3.3. Program to Detect and Eliminate Illicit Discharges

The municipal government of Coamo will develop a plan to detect and eliminate illicit discharges. This plan to detect and address illegal discharges to the system will included four steps: locate problem areas, find the source, remove or correct illicit connections, and document the ensuing course of action. A Hotline will be provided by the Municipality to collect calls from local residents to conduct inspection on illegal discharges.

3.4. Program to Detect Identify and Eliminate Wastewater Connections to the Storm Drain System

Current state laws prohibit unwarranted connection of a wastewater system to a storm drain system. The municipality will implement all actions required to appropriately enforce this law.

3.5. Storm Sewer System Map

The local Department of Public Works doesn't own an infrastructure map for the urban area of Coamo. As part of the proposed activities, a storm drain system map will be developed in the next three years. Once completed, this map will aid the municipality in targeting outfalls with dry weather flows and other suspicious discharges for more in-depth inspection and monitoring and will help coordinate management activities to remove illicit connections and track storm drain system maintenance.

4) CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

The proposed SWPPP activities will focus on developing, implementing, and enforcing a program that will reduce or eliminate the impacts of storm water runoff from construction activities throughout the municipality. In order to meet the permit requirements and objectives established by the USEPA, the following best management practices are to be implemented by the Municipality of Coamo:

4.1. Procedures for Reviewing Construction Site Plans
4.2. Inspection and Enforcement of Storm Water Requirements at Construction Sites
4.3. Inspection of Sanitary Sewer Connections
4.4. Require Electronic copies of Sanitary and Sewer Systems Layouts

5) POST CONSTRUCTION STORMWATER MANAGEMENT IN DEVELOPMENT AND REDEVELOPMENT

In order to mitigate Stormwater impacts from new developments within our Municipal boundaries, the local administration will evaluate as BMPs those recommended in the USEPA's National Menu of Stormwater BMPs. As part of the post-construction plan review the Municipality will revised the existing process assessing development projects and will integrate the EPA's recommendations into this process.

6) POLLUTION PREVENTION (GOOD HOUSEKEEPINC FOR MUNICIPAL OPERATIONS)

In order to protect our storm water system within our MS4, we will develop and implement a Municipal Employee Training and Education program, with the goal of educating our own employees on the best practices used to protect the quality of our surface waters. The program will also help in monitoring our daily operations and to identify those activities conducted by our employees that may have an impact in the local environment. This educational program will include written materials, conferences, workshops, and seminars.

Table 1: Description of Measurable goals for each Best Management Practice

PUBLIC EDUCATION AND OUTREACH PROGRAM	Control Measures	Measurable Goals
Permit Term	**Activity**	**Activity**
Year 1	1. Distribution of stormwater related material: brochures, leaflets and flyers. 2. Newspaper Campaign. 3. Radio Campaign.	Number of educational materials distributed to schools. Number of schools and students that participate in municipal-sponsored workshops and seminars. Number of workshops and seminars held for teachers. Number of events aimed to prevent stormwater pollution within the municipality. Number of PSAs aired during the year. Number of listeners reached thru the radio program
Year 2	1. Newspaper Campaign. 2. School Educational Campaign. 3. Web Page.	Number of events aimed to prevent stormwater pollution within the municipality. Number of PSAs aired during the year. Number of listeners reached thru the radio program. Number of students targeted and trained. Number of hits and downloaded documents.
Year 3	1. Distribution of stormwater related material: brochures, leaflets and flyers.	Number of educational materials distributed to schools. Number of schools and students

	2. Newspaper Campaign. 3. Radio Campaign.	that participate in municipal-sponsored workshops and seminars. Number of workshops and seminars held for teachers.
Year 4	1. Newspaper Campaign. 2. School Educational Campaign. 3. Web Page.	Number of events aimed to prevent stormwater pollution within the municipality. Number of PSAs aired during the year. Number of listeners reached thru the radio program. Number of students targeted and trained. Number of brochures and educational materials distributed. Number of hits and downloaded documents.
Year 5	1. Distribution of stormwater related material: brochures, leaflets and flyers. 2. Newspaper Campaign. 3. Radio Campaign.	Number of educational materials distributed to schools. Number of schools and students that participate in municipal-sponsored workshops and seminars. Number of workshops and seminars held for teachers.
PUBLIC INVOLMENT AND PARTICIPATION PROGRAM		
Permit Term	**Activity**	**Activity**
Year 1	1. Annual Cleanup and monitoring (streams and catch basins).	Number of stream cleanups. Number of cleanup participants. Number of tons/pounds of debris collected from streams.

		Number of miles cleaned.
Year 2	1. Annual Cleanup and monitoring (streams and catch basins). 2. Reforestation Programs.	Number of stream cleanups. Number of cleanup participants. Number of tons/pounds of debris collected from streams. Number of miles cleaned Survival rate of trees planted over a 6 months period. Number of volunteers planting trees. Number of acres planted.
Year 3	1. Annual Cleanup and Monitoring (streams and catch basins).	Number of stream cleanups. Number of cleanup participants. Number of tons/pounds of debris collected from streams. Number of miles cleaned.
Year 4	1. Annual Cleanup and monitoring (streams and catch basins). 2. Reforestation Programs.	Number of stream cleanups. Number of cleanup participants. Number of tons/pounds of debris collected from streams. Number of miles cleaned Survival rate of trees planted over a 6 months period. Number of volunteers planting trees. Number of acres planted.

Year 5	1. Annual Cleanup and monitoring (streams and catch basins).	Number of stream cleanups. Number of cleanup participants. Number of tons/pounds of debris collected from streams. Number of miles cleaned.
ILLICIT DISCHARGE DETECTION AND ELIMINATION		
Permit Term	**Activity**	
Year 1	1. Visual inspection in communities served by septic tanks. 2. Dry weather test on critical manholes. 3. Urban area outfalls visual inspection. 4. Develop a Storm Sewer System Map. 5. Visual inspection to old sanitary pipelines.	Number of septic systems inspected and fixed. Number of inspections. Tank inventory.
Year 2	1. Visual inspection to industries. 2. Urban area outfalls visual inspection. 3. Information booklets on septic system's proper maintenance. 4. Visual inspections to old sanitary pipelines.	Number of industries inspected. Number of outfalls identified. Inventory of falling infrastructure. Number of outfalls corrected.
Year 3	1. Visual inspection in communities served by septic tanks.	Number of septic systems inspected and fixed.

	2. Dry weather test on critical manholes. 3. Urban area outfalls visual inspection. 4. Develop a Storm Sewer System Map. 5. Visual inspection to old sanitary pipelines.	Number of inspections. Tank inventory.
Year 4	1. Urban area outfalls visual inspection. 2. Complete Storm Sewer System Map. 3. Visual Inspection to old sanitary pipelines.	Number of unauthorized connections reported by residents and/or business Number of unauthorized connections discovered Number of unauthorized connections repaired Number of brochures, leaflets and other public education tools distributed
Year 5	1. Dry Weather Test on critical manhole. 2. Urban area outfalls visual inspection. 3. Visual Inspection to old sanitary pipelines.	Number of manholes inspected. Number of unauthorized connections discovered Number of unauthorized connections repaired

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL		
Permit Term	**Activity**	
Yearly	1. Review construction site plans. 2. Construction site inspections. 3. Assuring proper sanitary connections. 4. Require electronic copies of sanitary and sewer lines.	Number of sites inspected by Municipal Staff. Number of inspections completed. Number of enforcement actions taken and implemented by the PREQB.
POST-CONSTRUCTION STORMWATER MANAGEMENT IN DEVELOHMENT AND REDEVELOPMENT		
Permit Term	**Activity**	
Yearly	1. Coordinate with contractors, developers, and state regulatory agencies to assure the project is in compliance with state and federal laws and with any other regulatory agency requirements. 2. Construction site plan reviews.	Number of enforcement actions taken and implemented by the PREQB. Number of sites inspected by Municipal Staff.
POLLUTION PREVENTION (GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS)		
Permit Term	**Activity**	
Year 1	1. Develop SPCC Plan for DTPW facility. 2. Install grease traps on mechanical shop drain	Number inspection completed and passed. Maintenance Performance Review.

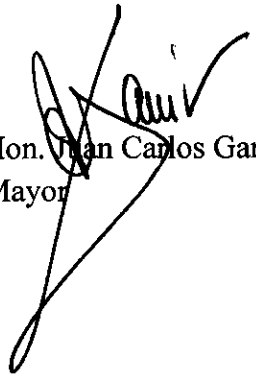
	system at DTPW facility. 3. Install secondary containment to both diesel and used oil tanks.	
Year 2	1. Municipal employee trainings (every two years). 2. Improve storm water management for the sanitary transfer station.	Number of trainings coordinated and performed. Number of employees trained.

11. Person Responsible for implementation
Elvin Colón, Director of Public Works
PO Box 635
Coamo, Puerto Rico 00769
787-803-6689

12. 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 qualified personnel properly gather and evaluate 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 Responsible Official



Hon. Juan Carlos García Padilla
Mayor