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

NOTICE OF INTENT APPLICATION

MUNICIPALITY OF SALINAS
P.O. BOX 1149
SALINAS, P.R. 00751-1149

U.S. ENVIRONMENTAL PROTECTION AGENCY – REGION II
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION
CENTRO EUROPA BUILDING, SUITE 417
1492 PONCE DE LEÓN AVENUE
SAN JUAN, PUERTO RICO 00907-4127

FEBRUARY 2010

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1.0 NPDES (NOTICE OF INTENTION) PERMIT APPLICATION

1.1 BACKGROUND

In 1972, Congress amended the Federal Water Pollution Control Act, commonly referred as the Clean water Act (CWA) to prohibit the discharge of any pollutant to waters of the United States from point sources unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. Initial efforts under the NPDES program focused on reducing pollutants in discharges of industrial process wastewater and municipal sewage. As pollution control measures have been implemented, it has become evident that diffuse sources or non-point sources are also contributors of water quality degradation. In 1990, the US Environmental Protection Agency (USEPA) promulgated rules establishing Phase I of the NPDES storm water program. The Phase I program for MS4s requires operators of "medium" and "large" MS4s, that is, those that generally serve populations of 100,000 or greater, to implement a storm water management program as a means to control polluted discharges from these MS4s. USEPA published the Storm Water Phase II Rule on December 9, 1999. Since the USEPA has not delegated the NPDES permitting program to the Puerto Rico Environmental Quality Board (PREQB). Thus, on November 6, 2006 USEPA Region 2 issued the National Pollutant Discharge Elimination System General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4 GP PRR040000) for Puerto Rico.

Based on the 2000 Census, the USEPA published the San Juan South West, PR Urbanized Area Storm Water Map, which updates Appendix 6 and Appendix 7 of the Preamble to the Final Phase II regulations. As such, the Municipality of Salinas is required to submit a Notice of Intent (NOI) to seek coverage of the said permit[1].

The following wards of the of Municipality of Salinas fall within an Urbanized Area (See Figure 1 of Appendix A) as defined in Section 9 of the National Pollutant Discharge Elimination System General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (PRR040000).

Jueyes Ward	Aguirre Ward
Pueblo Ward	Quebrada Yeguas Ward
Lapa Ward	Palmas Ward

1.2 MUNICIPALITY OF SALINAS

The Municipality of Salinas is located in the South Central of the Island of Puerto Rico and is bounded to the North with the Coamo, Aibonito and Cayey, to the East with the Municipality of Guayama, to the South with the "Mar Caribe", and to the West with the Municipality of Santa Isabel and Coamo. (See Figure 2 of Appendix A). The topography of the South Region is domain by hills typical of Karsts limestone's formations found inland and costal plain terrain found near the coastal zones. Towards the coast the topography is typical of the coastal flood plains.

The Municipality of Salinas has a territorial extension of 69.2 square miles and a population

[1] National Pollutant Discharge Elimination System Regulations of Water Pollution Control Program Addressing Storm Water Discharge Final Rule - Federal Register Vol. 64 Num. 23; pages 60721-61851 (December 8, 1999).

31,113 inhabitants[2], according to the 2000 Census.

The Municipality is composed of the urban zone and 5 wards: Pueblo, Quebrada Yeguas, Palmas, Lapa, Río Jueyes and Aguirre. All of them fall within the Urbanized Area as defined in Section 9 of the National Pollutant Discharge Elimination System General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (PRR040000).

The main access to Salinas is through State Road PR-52, PR-53 and the PR-1.

The Southern Region (see Figure 1) is located in the geomorphic Coastal Plain Regions of the South and Southwest Alluvial Coastal Plain, Limestones Region at the South and the North in the Central Highlands Region, presenting several of its smaller branches in the form of ridges, hills, knives and saws. Besides these features, the City of Salinas has plain terrain and caves in the mountains area.

The Southern Coastal Plain Alluvial, formed by valleys from the Central Range, is narrower and regular than that found in the North. It extends from Ponce to Patillas. The inland water bodies, due to its short length between the mountains and the sea, drags large amounts of sediment that are deposited in flatter areas. Due to the geographical conditions cause a dry climate in the region, these fertile flat areas are those with the aid of artificial irrigation; allow industrial-agricultural activity in the South. The coasts of South Alluvial Coastal Plain consist primarily of rocky beaches (no sand or dunes) and some gaps.

North of the city of Salinas and extending from Aibonito to Humacao, runs the "Sierra de Cayey". At its peak, the mountain reaches 840 meters above sea level. It becomes the "Sierra de Jajome" right at the intersection between the municipalities of Salinas, Cayey, Guayama, and continues to the southeast and north-central area of Guayama.

In the Southern Region we found the South Coast Province. In the latter, better known as the "Great South Aquifer", one can find the alluvial aquifers of the Municipalities of: Patillas, Salinas, Coamo (Santa Isabel - Coamo), Juana Diaz to Ponce, Tallaboa (Peñuelas), Guayanilla and Yauco. This system consists of a series of alluvial aquifers in segments separated by major rivers and independent hydraulically.

The use of groundwater requires that the amount of groundwater that is extracted does not exceed the natural recharge, unless artificially increase it. In this way, they avoid problems of saltwater intrusion, significant reductions in water levels, increased amount of dissolved solids and detrimental to water quality pollution (septic sewage spills domestic or industrial), among others.

Among the major rivers in the Southern Region, through the City of Salinas runs the Río Nigua and the Río Jueyes. Other water bodies located in the municipality of Salinas are the streams Honda, Amoros and Aguas Verdes. In Salinas you can also find two coastal lagoons: Mar Negro and Punta Arenas. The Patillas Canal runs from the Municipality of Patillas to Guayama, crosses the Municipality of Salinas from west to east.

[2] Based Census 2000 Population, Housing Units, Area, and Density Summary, Salinas, Puerto Rico, Http://factfinder.census.gov/home/en/datanotes/expsf1u.htm.

The municipal operations are mostly categorized as administrative and community service. Some of the mayor responsibilities of the Municipality of Salinas are monitor budget, draft local legislation, develop local policy, and execute legally mandated government activities design to provide services to its residents. The most important municipal operations includes: the creation of local policies, strategies and plans aimed to develop our future growth; design, organize and develop projects, programs and activities for the general welfare and public service; construct, improve, repair, rebuild and/or rehabilitate facilities for the better service of our communities; organize and supervise the Municipal Police Force; establish programs to prevent incidents, including assisting the community in emergencies or natural disasters, catastrophic accidents or disasters; protect and preserve our resources and promote the protection of health and safety of our citizens by giving maintenance to all the municipal facilities and equipment, regulate and administer the program concerning stray domestic animals; provide services and programs for the collection of waste and provide ongoing maintenance to the storm water sewer system.

1.3 ACTIVITIES SUBJECT TO NPDES PERMIT APPLICABILITY

Municipal Separate Storm Water Sewer System (MS4s) located in Salinas, Puerto Rico

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

Municipio de Salinas
P.O. Box 1149
Salinas, P.R. 00751-1149

1.4.1 NPDES (MS4s) PROGRAM POINT OF CONTACT MUNICIPALITY OF SALINAS

Municipio de Salinas
Attn: Mr. Alfredo Carrillo, Director of Municipal Emergency Management Office
P.O. Box 1149
Salinas, Puerto Rico 00751-1149
Telephone: (787) 692-8318
Fax: (787) 824-1201

1.5 STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE

Standard Industrial Classification (SIC) Code for the Municipality of Salinas is 9199.

1.6 OPERATORS NAME, MAILING ADDRESS, TELEPHONE, OWNERSHIP STATUS, AND AS FEDERAL, STATE, LOCAL, TRIBAL OR OTHER PUBLIC ENTITY.

Municipio de Salinas
PO Box 1149
Salinas, Puerto Rico 00751-1149

1.7 PERMITS OR CONSTRUCTION APPROVALS RECEIVED OR APPLIED

1.7.1 MUNICIPAL PERMITS OR CONSTRUCTION APPROVALS

1.7.1.1 Resource Conservation and Recovery Act

Information Not Available

1.7.1.2 Underground Injection Control

Information Not Available

1.7.1.3 NPDES Program under the Clean Water Act

Information Not Available

1.7.1.4 Nonattainment Program under the Clean Air Act

None

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

None

1.7.1.6 Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act

None

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

None

1.7.2 FEDERAL PERMITS OR CONSTRUCTION APPROVALS ISSUED WITHIN THE MUNICIPALITY

1.7.2.1 Resource Conservation and Recovery Act

NUMBER	OWNER/OPERATOR NAME	APPLICATION TYPE	LAST UPDATED
PRR000019828	Amigo Supermarket #3684	SQG	10/06/2009
PRR000013391	Farmacia El Amal #58	CESQG	10/06/2009
PRD982727851	IDI Caribe, Inc	CESQG	10/06/2009
PRD982275406	Mates	CESQG	10/06/2009

NUMBER	OWNER/OPERATOR NAME	APPLICATION TYPE	LAST UPDATED
PRR000015073	PRIDCO	CESQG	10/06/2009
PR5211810002	Puerto Rican Army National Guard Camp Santiago	Hazardous Waste Biennial Reporter	12/31/2003
PR5211810002	Puerto Rican Army National Guard Camp Santiago	CESQG	10/06/2009
PRD980644470	Puerto Rico Electric Power Authority Aguirre Power Generation Complex	Hazardous Waste Biennial Reporter	12/31/2005
PRD980644470	Puerto Rico Electric Power Authority Aguirre Power Generation Complex	LQG	9/25/2008
PRN008019507	Salinas Recycling AKA Ponce Resources, Inc.	CESQG	8/15/2008
PR8210420016	USARC – PFC Santos Cruz Aviles	CESQG	10/06/2009
Data Source: RCRA Info http://oaspub.epa.gov/enviro/ef_home3.html?p_zipcode=00751&p_type=zip&x=3&y=2			

1.7.2.2 Underground Injection Control

Information Not Available

1.7.2.3 NPDES Program under the Clean Water Act

NUMBER	OWNER/OPERATOR NAME	APPLICATION TYPE	LAST UPDATED
PR0001660	Puerto Rico Electric Power Authority Aguirre Power Generation Complex	NPDES MAJOR	07/29/1988
PRR05A049	Ponce Resources - Salinas Recycling Plant	ICIS-NPDES Minor	05/20/2008
PRU201811	Ochoa Poultry Farm, Inc.	ICIS-NPDES UNPERMITTED	
PRU201970	Puerto Rican Army National Guard Camp Santiago	ICIS-NPDES UNPERMITTED	
Data Sources: NPDES Permits http://oaspub.epa.gov/enviro/ef_home2.water			

1.7.2.4 Nonattainment Program under the Clean Air Act

None

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

NUMBER	OWNER/OPERATOR NAME	APPLICATION TYPE	LAST UPDATED
7212300001	Better Roads Asphalt Corp	AIR MINOR	06/16/2009
7212300003	IDI Caribe, Inc.	AIR MINOR	11/09/2005
7212300028	PR Army National Guard Camp Santiago	AIR MINOR	10/07/2009
7212300022	Steri-Tech Inc.	AIR MINOR	02/21/2005
7212300006	USARC – PFC Santos Cruz Aviles	AIR MINOR	10/16/2003
7212300011	Puerto Rico Electric Power Authority Aguirre Power Generation Complex	AIR MAJOR	10/05/2009
Data Source AIRS/AFS: http://oaspub.epa.gov/enviro/ef_home2.air			

1.7.2.6 Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act

None

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

None

1.7.3 STATE PERMITS OR CONSTRUCTION APPROVALS

1.7.3.1 Puerto Rico Environmental Quality Board

Information Not Available

1.7.3.2 Puerto Rico Department of Environmental and Natural Resources

Information Not Available

1.8 STORM WATER SEWER MAP

Included in Figure 2 of Appendix A is a map depicting the geographical extension of the Municipality of Salinas and Urbanized Areas. Figure 3 of Appendix A is a map depicting the geographical extension of the Municipality of Salinas, the surface water bodies within the municipal boundaries (lakes, rivers, creeks, ocean), municipal owned and operated roads, water filtration plants owned and operated by the Puerto Rico Aqueduct and Sewer Authority (PRASA), including intakes and outfalls, waste water treatment plants owned and operated by the Puerto Rico Aqueduct and Sewer Authority, including outfalls, hazardous waste treatment, storage and disposal facilities, non-hazardous solid waste treatment, storage and disposal

facilities, NPDES permitted industrial facilities, drinking, irrigation or commercial groundwater wells.

At the present time, the Municipality lacks the information and resources needed to develop a detailed storm sewer map for the municipal operated MS4. As part of the implementation phase of the MS4 Program it is the intention of the Municipality of Salinas to develop such map.

It is anticipated that at a minimum the map will include information related to:

- Municipal Storm Sewer System, including conveyance or system of conveyances and outfall locations;
- Municipal Owned and Operated Roads Storm Sewer Systems interconnected with the Municipal Storm Sewer System;
- State Owned and Operated Roads Storm Sewer Systems interconnected with the Municipal Storm Sewer System;
- Location of Surface water bodies (lakes, rivers, creeks, ocean);
- Location of Water Filtration Plants Owned and Operated by the Puerto Rico Aqueduct and Sewer Authority (PRASA), including intakes and outfalls;
- Location of Waste Water Treatment Plants Owned and Operated by the Puerto Rico Aqueduct and Sewer Authority, including outfalls;
- Location of Hazardous Waste Treatment, Storage and Disposal Facilities;
- Location of Non-Hazardous Solid Waste Treatment, Storage and Disposal Facilities;
- Location of NPDES permitted industrial facilities interconnected with the Municipal Storm Sewer System;
- Location of NPDES permitted industrial facilities discharging to a surface water body;
- Location of Commercial Facilities (Regulated under the PRASA Pretreatment Program) interconnected with the Municipal Storm Sewer System or discharging to a surface water body;
- Location of Drinking, Irrigation or Commercial Groundwater Wells;
- Location of Underground Injection Systems (including residential septic tanks);
- Illegal/Illicit Discharges to MS-4;
- Location of Gas Stations.

1.9 DESCRIPTION OF THE MUNICIPAL STORM WATER SEWER SYSTEM

The Municipality of Salinas Storm Water Sewer System (MS4s) in the urban areas in general consist of a series of catch basins, typically located within the right-of-way of municipal and state roads, interconnected by underground concrete or PVC pipes which normally discharge to the "Mar Caribe". In the rural areas the Municipal MS4s system typically consists of a series of interconnected open channel culverts, which run parallel to municipal and state roads, and usually discharge to a surface water body. Interconnected to the Municipal MS4s system are the storm water sewer systems owned and operated by the Puerto Rico Department of Public Works and Transportation and the Puerto Rico Highway and Transportation Authority. Also, interconnected to the Municipal MS4s systems are the discharges from NPDES (Stormwater) permitted facilities and PRASA Pre-treatment permitted industrial and commercial facilities.

As the Municipality of Salinas implements the proposed Storm Management Plan a more accurate description (capacity, operation, etc.) of the Municipal MS4s system can be provided.

1.10 ESTIMATED SQUARE MILEAGE SERVED BY THE MS4 SYSTEM

The estimated square mileage served by the MS4 System is 28 mi^2.

1.11 STORM WATER MANAGEMENT PLAN

The Municipality of Salinas has many regulatory and public responsibilities. One of these is the development of a Comprehensive Storm Water Management Plan (SWMP). The SWMP will be developed to meet the regulatory requirements of the National Pollutant Discharge Elimination System (NPDES) Phase II Rule and to assist the municipality in maintaining and improving the municipality drainage facilities which include pipelines, structures, basins, ditches, swales, ponds, under drains and drainage wells, to ensure that they perform to design capacity and that all receiving bodies meet state and federal standards for water quality. It will also be an important tool for use in the day-to-day operations and as a public reference document. Along with regulatory issues, this plan will addresses protection of property from flooding and erosion, identifies health and safety issues related to water resources, and will make recommendations for the preservation of environmental and aesthetic benefits to the community.

Through the use of field observations, results of past and future studies, hydrologic/hydraulic computer modeling, and input from Municipality staff and a proposed Citizens Advisory Committee, the plan will identify existing problems and potential future problems within the municipality. A combination of regulatory requirements, public education, increased maintenance activities, and capital improvements will be recommended to solve identified problems. The major plan elements include the following:

- Development of a proposed storm water ordinance that, among other things, establishes minimum requirements for new development and redevelopment, prohibits illicit discharges into surface waters, and requires maintenance of privately owned storm water facilities.

- Development of public education opportunities to inform the community of water quality issues, and, specifically, the new ordinance and its requirements.

- Develop a Storm Water Assistance Program, to assist businesses and persons in their efforts to comply with NPDES storm water regulations and will educate citizens about storm water runoff and associated concerns.

- Analysis of localized flooding and water quality problems and solutions, and development of a prioritized list of recommended drainage system improvements.

- Development of a Capital Improvements Program.

- Development of a Maintenance and Operations Program.

- Development of a Public Education.

- Development of a Compliance Management Program to among other things, monitor illicit discharges into surface waters, storm water discharges associated with industrial activity and construction sites.

- Description of the overall program costs.

- Analysis of funding options and the creation of a storm water utility.

The Stormwater Management Plan will be develop, under the direction of the Federal Programs Office. The SWMP will focus initially on community education, dissemination of storm water pollution prevention information, system inventory and analysis of drainage and water quality issues followed by a facilities maintenance program, and a comprehensive storm and surface water code and policy. As envisioned, the SWMP will address the drainage network base map, hydrologic and hydraulic analysis and modeling, if required, for the principal surface water bodies (creeks and rivers), environmental and water quality issues, capital improvement program, storm water facilities maintenance program and a comprehensive Storm Water Management Code and Policy.

Semiannual meetings will hold to update all partnership members and Citizens Advisory Committee on the status of the planned activities. A written annual report will be prepared, submitted to USEPA and distributed each year.

1.12 PROPOSED WORK PLAN

Under the direction of the Federal Programs Office, a work plan will be developed at the beginning of each year based on priorities. Semiannual meetings will be held to update all partnership members on the status of the planned activities. A written annual report will be prepared and distributed at the end of each year. The anticipated activities are currently divided into six major tasks:

1.12.1 DESCRIPTION OF MEASURABLE GOALS FOR THE BEST MANAGEMENT PRACTICES TO BE IMPLEMENTED

1.12.2 MINIMUM CONTROL MEASURE 1 – PUBLIC EDUCATION AND OUTREACH

The Municipality of Salinas is planning to implement a public education program that would include the distribution of educational materials within the general community regarding the potential impacts of storm water discharges on water bodies. It would also include the measures that the community may take to reduce pollutants in storm water. The program may include the preparation and distribution of written materials as well as the coordination of public meetings. The following BMP's will be implemented:

- Storm Water-Related Public Service Announcements
- Development and Distribution of Storm Water-Related Materials
- Storm Water Web Page
- Storm Water Pamphlets, Booklets, and Flyers

1.12.3 MINIMUM CONTROL MEASURE 2 – PUBLIC INVOLVEMENT AND PARTICIPATION

The Municipality of Salinas is planning to implement a public involvement and participation program. Public participation meetings are planned to obtain input from the community. Functionaries responsible for the program would coordinate the meetings to assure the participation of the community. The following BMP's will be implemented:

- Storm Drain Stenciling Program
- Annual Cleanup
- Public Involvement Program
- Community Hotline

1.12.4 MINIMUM CONTROL MEASURE 3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION

To meet the requirements of this measurement the Municipality of Salinas is planning to develop a map of the storm sewer system showing the location of all outfalls, inflows, manholes, and waters of the United States that receive discharges from the outfalls. The Municipality of Salinas is planning to implement a program for the detection of possible illegal non-storm water discharges into the system. The program may include visual assessments, connectivity testing, dye testing and/or smoke tests. Allowable discharges, as included in Section 1.4 of the permit, will be addressed as part of this control measure only if the Municipality of Salinas identifies them as significant contributors of pollutants to the small MS4. As part of the SWMP development the Municipality of Salinas will list occasional incidental non-stormwater discharges that will not be addressed as illicit discharges such as non-commercial or charity car washes. A prohibition of any non-storm water discharge that it is determined to be contributing significant amounts of pollutants to the MS4 would be included in the SWMP. The following BMP's will be implemented:

- Develop a Storm Sewer System Map
- Develop Regulations to Enforce Nonstorm Water Discharges
- Educational Outreach

- Develop Program to Detect, Identify, and Eliminate Illicit Discharges
- Develop Program to Detect, Identify, and Eliminate Illegal Solid Waste Dumping
- Develop Program to Detect, Identify, and Eliminate Wastewater Connections to the Storm Drain System
- Develop Program to Detect and Eliminate Sanitary Sewer Overflows
- Develop Program to Detect and Eliminate Failing Septic Systems

1.12.5 MINIMUM CONTROL MEASURE 4 – CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

The Municipality of Salinas is planning to develop, implement and enforce a program to reduce pollutants in any storm water runoff to their MS4 from construction activities. For construction activities covering one acre or more of land or covering less than one acre that are part of a larger common plan, the Municipality of Salinas will require that the construction activity be implemented in accordance to the NPDES General Permit for Storm Water Discharges from Construction Activities issued by the EPA in July 1, 2003. To ensure that this requirement is met the Municipality of Salinas will develop an administrative procedure or guideline to assure that the requirement for the request of compliance with the NPDES General Permit for construction activities is met.

By implementing the requirement of meeting the conditions of the Construction Activities General Permit Municipality of Salinas will assure that adequate erosion and sedimentation controls are implemented and inspected during the project construction phase. The following BMP's will be implemented:

- Ordinances or Other Regulatory Mechanisms
- General Construction Site Waste Controls
- Information Submitted by the Public
- Construction Site Inspection and Enforcement

1.12.6 MINIMUM CONTROL MEASURE 5 – POST-CONSTRUCTION STORM WATER MANAGEMENT IN DEVELOPMENT AND REDEVELOPMENT

The Municipality of Salinas is planning to develop a post construction runoff control management program for areas within the Municipality that would undergo municipal projects, private developments or redevelopments. The program would be aimed to reducing pollutants in post construction runoff from these areas. BMP's that may be considered during the development of the SWMP would include:

- Development of administrative procedures or guidelines to ensure the inspection and maintenance of the runoff control measures.

- Development of administrative procedures or guidelines to ensure that municipal projects, new development or redevelopment plans are reviewed and verified for the inclusion of post-construction runoff control measures.

- Development of administrative procedures, ordinances or policies to ensure that one or more of the following general BMP's are included in the design plans of any new or

redeveloped project: innovative BMP's, infiltration systems, filtration systems or retention/detention ponds. The following BMP's will be implemented:

- **Best Management Practices - Structural**
  - Detention Ponds
  - Porous Pavement Program
  - Vegetative Practices (Storm Water Wetland Program)
  - Runoff Pretreatment Practices

- **Best Management Practices - Nonstructural**
  - The Land Management Plan of the Municipality of Salinas shall include a regional growth planning process to contain sprawl development and direct new growth into previously developed areas.
  - Develop green parking techniques to reduce the contribution of parking lots to the total impervious.
  - Develop an alternative pavers program that can replace impervious surfaces, creating less storm water runoff.
  - Develop education programs for developers and the public about project designs that minimize water quality impacts.

- **Best Management Practices – Inspection and Maintenance Program**
  - Develop an inspection and repair program to maintain the effectiveness of post-construction storm water control BMP's.

1.12.7 MINIMUM CONTROL MEASURE 6 – POLLUTION PREVENTION (GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS)

The Municipality of Salinas is planning to develop and implement a pollution prevention/good housekeeping program to minimize or to reduce potential pollutants from reaching the storm sewer system. The program will consist of the following BMP's:

a) **Source Controls**

- Vehicle Maintenance Program
- Vehicle Washing Program
- Parking Lot and Street Cleaning Program
- Roadway and Bridge Maintenance Program
- Storm Drain System Cleaning Program

b) **Materials Management**

- Alternative Products
- Hazardous Materials Storage Program
- Spill Response and Prevention Program
- Used Oil Recycling Program
- Materials Management Program

1.13 BMP IMPLEMENTATION SCHEDULE

BMP Implementation Schedule and MCM 1-6 Performance Measures will begin in 2010 and ends in 2011. A detail implementation schedule will be included in the Stormwater Management Plan.

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

Municipio de Salinas
Attn: Mrs. Ivette Ortiz, Director of the Federal Programs Office
P.O. Box 1149
Salinas, Puerto Rico 00751-1149
Telephone: (787) 824-5310
Fax: (787) 824-4549

1.15 ELIGIBILITY CRITERIA FOR ENDANGERED SPECIES, HISTORIC PROPERTIES AND MARINE FISHERIES

1.15.1.1 ELIGIBILITY CRITERIA FOR ENDANGERED SPECIES

Eligibility and screening procedures relating to species listed and critical habitat designated under the Endangered Species Act (ESA). The MS4 operated by the Municipality of Salinas meets **Criterion E:** Storm water discharges associated with industrial activity and allowable non-storm water discharges are not likely to adversely affect any federally listed endangered and threatened (listed) species or designated critical habitat.

The threatened and endangered species that have been reported for the Municipality of Salinas are identified in the table below[3]:

SCIENTIFIC NAME	COMMON NAME	COMMON NAME SPANISH	GROUP	STATUS	DISTRIBUTION
Agelaius xanthomus	Yellow Shouldered Black Bird	Mariquita	Bird	Endangered, Critical Habitat	Coastal Forest
Banara vanderbiltii	No Common Name	Palo de Ramón	Plant	Endangered	Tetas de Cayey Natural Reserve
Charadrius melodus	Piping Plover	Playero Melódico	Bird	Threatened	Coastal Zone, No Nesting
Chelonia mydas	Green Sea Turtle	Peje Blanco	Reptile	Threatened, Critical Habitat	Coastal Zones
Patagioenas (Columba) inomata wetmorei	Puerto Rican Plain Pigeon	Paloma Sabanera	Bird	Endangered	Lower Montane Forest and Riparian Habitats
Eleutherodactylus jasperi	Golden Coqui	Coqui Dorado	Amphibian	Threatened, Critical Habitat	Forested Mountains with elevations over 700 m

[3] U.S. Fish & Wildlife Service; Caribbean Endangered Species Map, Mapa de Especies Caribeñas en Peligro de Extinción, Puerto Rico and U.S. Virgin Islands, Federally Listed Species, Last Revised 2007, page 77.

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BMP Implementation Schedule and MCM 1-6 Performance Measures will begin in 2010 and ends in 2011. A detail implementation schedule will be included in the Stormwater Management Plan.

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Municipio de Salinas
Attn: Mr. Alfredo Carrillo, Director of Municipal Emergency Management Office
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[3] U.S. Fish & Wildlife Service; Caribbean Endangered Species Map, Mapa de Especies Caribeñas en Peligro de Extinción, Puerto Rico and U.S. Virgin Islands, Federally Listed Species, Last Revised 2007, page 77.

SCIENTIFIC NAME	COMMON NAME	COMMON NAME SPANISH	GROUP	STATUS	DISTRIBUTION
Eretmochelys imbricata	Hawksbill Sea Turtle	Carey	Reptile	Endangered, Critical Habitat	Coastal Zones
Pelecanus occidentalis	Brown Pelican	Pelicano Pardo	Bird	Endangered	Coastal Zones, No Nesting
Schoepfia arenaria	No Common Name	Erubia	Plant	Endangered	Tetas de Cayey Natural Reserve
Stahlia monosperma	No Common Name	Cobana Negra	Plant	Threatened	Road
Trichechus manatus manatus	Antillean Manatee	Manatí Antillano	Mammal	Endangered	Coastal Zones

The Best Management Practices (Item 1.12 of the Notice of Intent) proposed to control storm water in the MS4 operated by the Municipality will not affect these species or their habitat.

1.15.1.2 ELIGIBILITY CRITERIA FOR HISTORIC PROPERTIES

Eligibility and screening procedures relating to historic properties and the National Historic Preservation Act. The MS4 operated by the Municipality of Salinas meets **Criterion B:** Storm water discharges related activities (i.e. construction and/or installation of storm water best management practices that involve subsurface disturbance) would not affect historic properties.

1.16 SIGNATORIES TO PERMIT APPLICATION AND REPORTS

1.16.1 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 designated to assure that qualified personnel properly gather and evaluate the information submitted. 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.

MR. ALFREDO CARRILLO, DIRECTOR
Municipal Emergency Management Office

Date

APPENDIX A

FIGURES