

Name of Preparer: Karen O'Brien  
Date: November 21, 2006

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UNITED STATES  
ENVIRONMENTAL PROTECTION AGENCY  
REGION II  
290 Broadway  
New York, New York 10007-1866

FACT SHEET  
DRAFT NPDES PERMIT TO DISCHARGE  
INTO THE WATERS OF THE UNITED STATES

NPDES No.          Application No. PERMIT No PR0026565    Date:

Name and Address of Applicant:

Puerto Rico Aqueduct and Sewer Authority (PRASA)  
La Boca - Barranquitas Water Treatment Plant  
P.O. Box 7066  
San Juan, Puerto Rico 00916-7066

Name and Address of Facility  
where Discharge Occurs:

La Boca - Barranquitas Water Treatment Plant  
State Road 749, Km. 0.1  
La Boca Sector at Quebradilla Ward  
Barranquitas, Puerto Rico

Receiving Water: Hondo River

Classification: SD

I. LOCATION OF DISCHARGE

The above-named applicant has applied for a National Pollutant Discharge Elimination System (NPDES) permit, to the U.S. Environmental Protection Agency (EPA) to discharge into the designated receiving waters. The location of each discharge is described by the following U.S.G.S. Coordinates:

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	<u>Latitude</u>	<u>Longitude</u>
Outfall 001	N 18° 13' 18"	W 66° 16' 50"

A description and/or sketch of the location of the discharges is appended as Attachment I.

## II. DESCRIPTION OF FACILITY AND DISCHARGE

La Boca Barranquitas Water Treatment Plant (WTP) is a new conventional filtration plant to be owned and operated by the Puerto Rico Aqueduct and Sewer Authority (PRASA). This activity has a Standard Industrial Classification (SIC) code of 4941. Raw water from the Hondo River will be treated by coagulation, flocculation, sedimentation, filtration, and disinfection, and then distributed for potable uses. Filter backwash and washwater drainage from the sedimentation tanks will be discharged through a sludge treatment system. The applicant proposes to discharge a maximum flow of 0.1 MGD of wastewater clarified by the sludge treatment system is discharged to the Hondo River, which is classified as SD by the Puerto Rico Water Quality Standards Regulation (PRWQSR), as amended.

## III. DESCRIPTION OF DRAFT PERMIT CONDITIONS

The effluent limitations, monitoring requirements, schedules of compliance and other conditions of the draft permit are described in Attachment II. Also included in Attachment II is a brief summary of the basis for each effluent limitation and other conditions in the draft permit.

## IV. STATE CERTIFICATION REQUIREMENTS

State Certification requirements based upon a draft Water Quality Certificate (WQC) issued on September 18, 2006 by the Environmental Quality Board (EQB) of the Commonwealth of Puerto Rico are described in Attachment III. Review and appeals of limitations and conditions attributable to this certification shall be made through the applicable procedures of the Commonwealth of Puerto Rico and may not be made through EPA procedures.

## V. PROCEDURES FOR REACHING A FINAL DECISION ON THE DRAFT PERMIT

These procedures, which are set forth in 40 CFR 124, are described in the public notice of preparation of this draft permit. Included in the public notice are requirements for the submission of comments by a specified date, procedures for requesting a hearing and the nature of the hearing, and other procedures for participation in the final agency decision.

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VI. EPA CONTACT

Additional information concerning the draft permit may be obtained between the hours of 8:00 A.M. and 4:30 P.M., Monday through Friday from:

WALTER E. ANDREWS, CHIEF  
WATER PROGRAMS BRANCH  
USEPA-REGION 2  
290 BROADWAY - 24TH FLOOR  
NEW YORK, NEW YORK 10007-1866  
(212) 637-3876

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PROTECTION DIVISION  
EDIF CENTRO EUROPA APT 417  
1492 AVENIDA PONCE DE LEON  
SAN JUAN PR 00907-4127  
(787) 977-5814

## ATTACHMENT II

### DESCRIPTION OF DRAFT PERMIT CONDITIONS FOR OUTFALL 001

The effluent limitations, monitoring requirements, and other conditions are described in the draft permit.

#### I. Water Quality-based Limits

All limitations of parameters listed in Table A-1 ( including **2 - Chlorophenol; 2,4 - Dimethylphenol; 2,4 - Dichlorophenol; 2 - Methyl - 4,6 - Dinitrophenol; 2,4 - Dinitrophenol; 2,4,6-Trichlorophenol; Arsenic; Biochemical Oxygen Demand; Color; Copper; Dissolved Oxygen; Fecal Coliforms; Flow; Fluorides; Lead; Mercury; Pentachlorophenol; Phenol; pH; Residual Chlorine; Solids and Other Matter; Suspended, Colloidal or Settleable Solids; Taste and Odor Producing Substances; Temperature; Total Ammonia; Total Dissolved Solids; Total Phosphorous; Turbidity; and Zinc**) and all special conditions are as imposed in EQB's draft WQC, dated September 18, 2006.

#### II. Monitoring Requirements

The monitoring requirements in Table A-1 are based on the draft WQC issued by EQB, dated September 18, 2006. A footnote was added in Table A-1 under the parameter Suspended, Colloidal, or Settleable Solids to clarify that testing for these parameters should be conducted for Settleable Solids.

The Water Quality Certificate (WQC) issued by the Environmental Quality Board of Puerto Rico (EQB) includes an effluent limitation and monitoring requirements for several phenolic substances. Although the WQC does not specify an analytical method for phenolic substances, EPA has specified in Table A-1 that Method 420.1, using the chloroform extraction procedure, must be used to analyze samples for phenolic substances.

#### III. Special Conditions

The Special Conditions in the draft permit are part of EQB's draft WQC dated December 28, 2005.

Special Condition 13 was modified from the requirement imposed in the water quality certificate issued by the Puerto Rico EQB. EPA has imposed the quarterly testing requirement to collect data necessary to determine whether this discharge has the reasonable potential to cause or contribute to an exceedance of Puerto Rico's water quality standards for toxicity. This Special Condition is pursuant to water quality based permitting requirements at 40 CFR 122.44(d)(1), which requires EPA and delegated states to evaluate each National Pollutant Discharge Elimination System (NPDES) permit for the potential to exceed state numeric or narrative water quality standards, including those for toxics, and to

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establish effluent limitations for those facilities with the "reasonable potential" to exceed those standards. This Special Condition is also consistent with the "Region 2 Whole Effluent Toxicity Implementation Strategy". Federal regulations require both chemical specific limits, based on the state numeric water quality standards or other criteria developed by EPA, and whole effluent toxicity effluent limits if reasonable potential to exceed water quality standards is determined.

Special Condition 13 also asserts the right of EPA and EQB to require additional monitoring based on the results of the quarterly samples, and the right of EPA to reopen this permit to include additional toxicity requirements, such as identification of toxic sources and treatability, and/or effluent limitations if warranted.

IV. General Conditions - These conditions apply to all permits as required by 40 CFR Part 122.7.

V. Permit Expiration Date

The validity of the permit is limited to five years.

