

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles**

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
(Rio Hondo Power Plant)
NPDES NO. CAG994003
CI-6742**

FACILITY LOCATION

9840 Miller Way
South Gate, CA 90280

FACILITY MAILING ADDRESS

P. O. Box 54153
Los Angeles, CA 90054-0153

PROJECT DESCRIPTION

Metropolitan Water District of Southern California (MWD) discharges non-contact cooling water from the Rio Hondo Power Plant located at 9840 Miller Way, South Gate, California. The subject discharge is currently regulated under an individual NPDES Permit No. CA005963 (Order No. R4-2005-0027). On April 16, 2007, MWD submitted a Notice of Intent (NOI) form and analytical results of the wastewater samples to apply enrollment under the General NPDES Permit. The Board staff have determined that the volume and the quality of the wastewater discharge is more appropriately regulated under General NPDES Permit No. CAG994003, Order no. R4-2004-0058. Potable water is used as non-contact lubricating/cooling water for the turbine-generator unit. MWD does not add any chemicals including chlorine to this turbine water discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

Up to 87,000 gallons per day of wastewater is discharged to the Rio Hondo Flood Channel located at Latitude 33°56'23", Longitude 118°10'07", thence drains to the Los Angeles River, a water of the United States. The site location is shown as Figure1.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed in the Table below have been determined to show reasonable potential to exist in the discharge. The discharge flows to Los Angeles River between Figueroa Street and L.A. River Estuary (Willow Street); therefore, the discharge limitations in Attachment B.7.d. are applicable to the discharge.

December 14, 2007

This Table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Total Dissolved Solids	mg/L	1,500	---
Sulfate	mg/L	300	---
Chloride	mg/L	190	---
Nitrogen ¹	mg/L	8.0	---
Sulfides	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---
Copper	µg/L	33.3	16.6
Methylene Blue Active Substances (MBAS)	mg/L	0.5	---

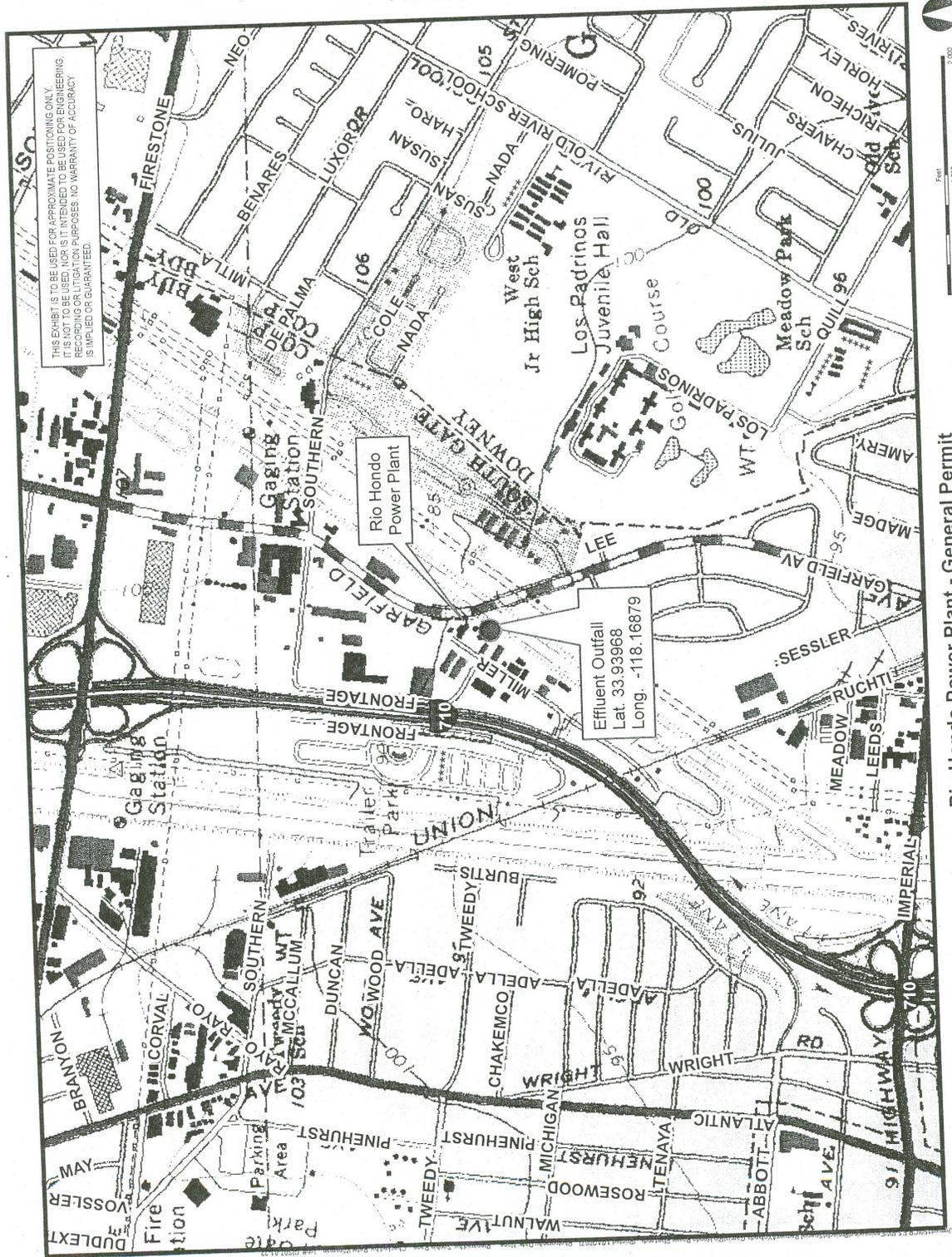
FREQUENCY OF DISCHARGE

The discharge of non-contact lubricating/cooling water is continuous.

REUSE OF WATER

It is not economically feasible to haul the wastewater for off-site disposal or discharge the water to the sanitary sewer system. There are no other feasible reuse options for the discharge. Therefore, the nonprocess wastewater is discharged to the channel in compliance with the requirements of the attached order.

FIGURE 1



Rio Hondo Power Plant - General Permit

The Metropolitan Water District of Southern California
 Right of Way Engineering, GIS Mapping