

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**

**CITY OF SANTA MONICA
ANNENBERG COMMUNITY BEACH CLUB-SANTA MONICA STATE BEACH
NPDES NO. CAG994004, SERIES NO. 242
CI-9291**

PROJECT LOCATION

415 Pacific Coast Highway
Santa Monica, CA 90405

FACILITY MAILING ADDRESS

1437 4th Street, Suite 300
Santa Monica, CA 90401

PROJECT DESCRIPTION

The City of Santa Monica (Discharger) proposes to pump and discharge seepage groundwater during rehabilitation of the Annenberg Community Beach Club located at Santa Monica State Beach in the City of Santa Monica (Figure 1). The Discharger is renovating this historical site to meet building codes. Groundwater beneath the construction site is impacted with copper and Total Petroleum Hydrocarbons (TPH). The Discharger is proposing to implement full-scale groundwater treatment (Figure 2). Extracted groundwater will be treated by passing through activated carbon vessels and ion-exchange resin (PUR-Z) to treat for TPH and for copper respectively. The construction project will be completed within three months.

VOLUME AND DESCRIPTION OF DISCHARGE

It is estimated that up to 288,000 gallons per day of groundwater will be discharged to a nearby local storm drain (Latitude 34° 01' 31", Longitude 118° 30' 47"), thence to the Pacific Ocean, a water of the United States.

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 into a storm drain tributary to the Pacific Ocean. Therefore, the limitations in Attachment B of Order No. R4-2003-0111 are not applicable to your discharge.

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

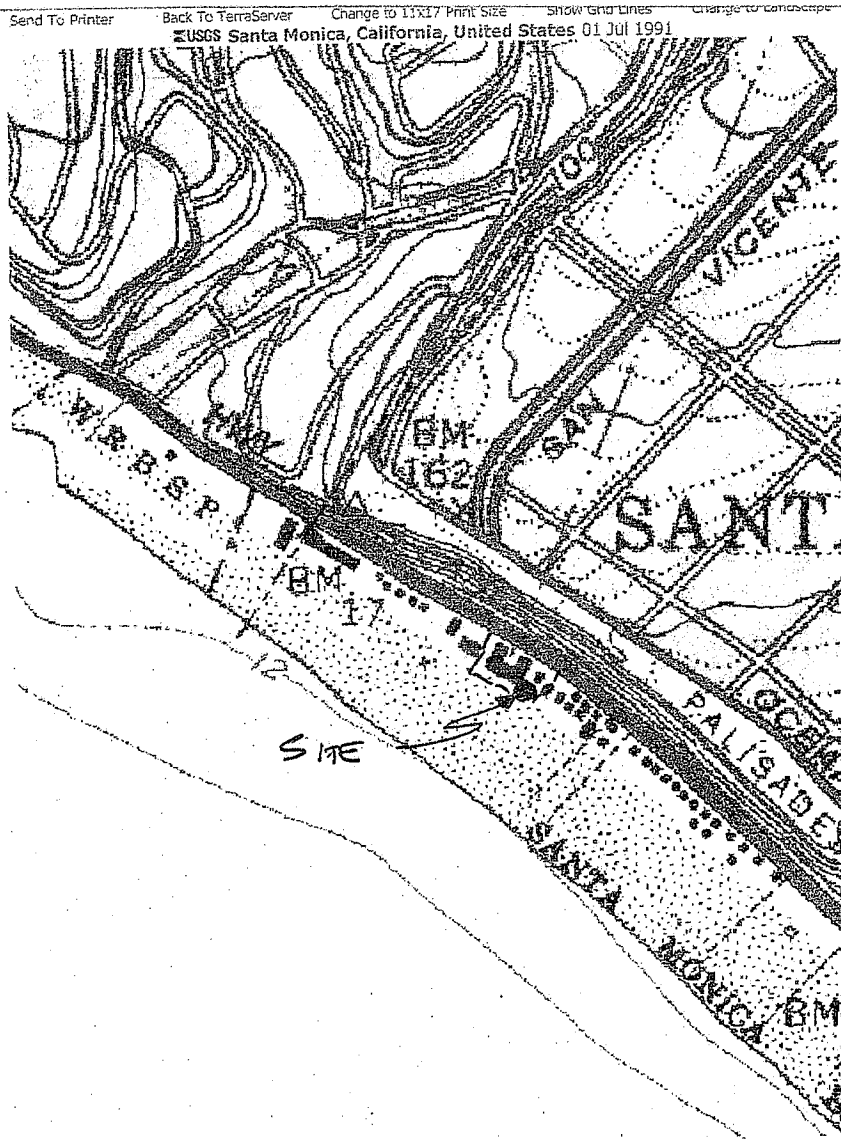
Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Oil and Grease	mg/L	15	10
Settleable Solids	ml/L	0.3	0.1
Sulfides	mg/L	1.0	---
Phenols	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---
Methylene Blue Active Substances (MBAS)	mg/L	0.5	---
Copper	µg/L	5.8	2.9
Total Petroleum Hydrocarbons	µg/L	100	---

FREQUENCY OF DISCHARGE

The dewatering discharge will be intermittent lasting up to three months.

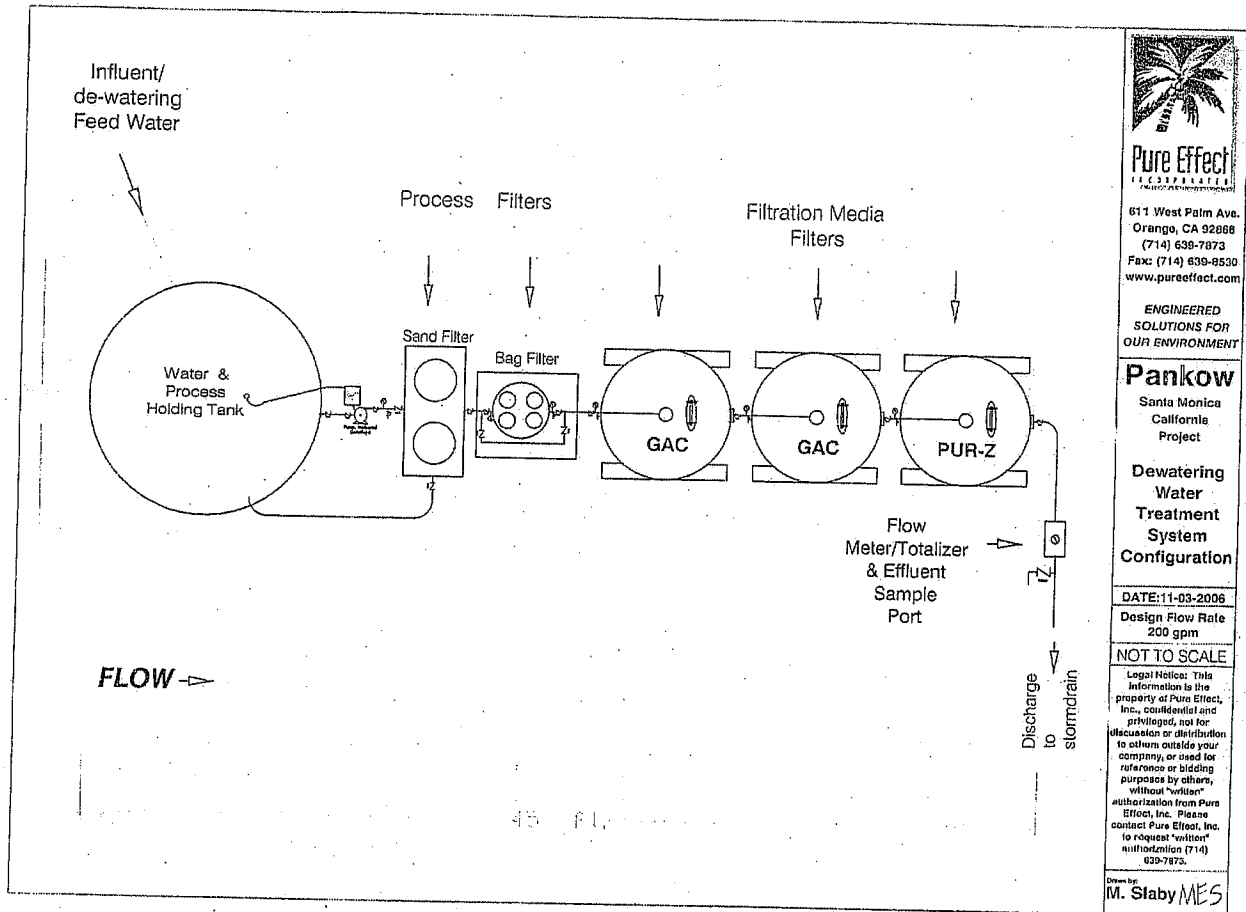
REUSE OF WATER

It is not economically feasible to haul the groundwater for off-site disposal. Since there are no other feasible reuse options, most of the treated groundwater generated from the site will be discharged to the storm drain in accordance with the attached Order.



**Annenberg Community Beach Club—Santa Monica
State Beach (Latitude 34° 01' 31", Longitude 118° 30' 47")**

**Site Location
Figure 1**



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 Orange, CA 92668
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 Fax: (714) 639-8530
 www.pureeffect.com

ENGINEERED SOLUTIONS FOR OUR ENVIRONMENT

Pankow
 Santa Monica
 California
 Project

Dewatering Water Treatment System Configuration

DATE: 11-03-2006
 Design Flow Rate 200 gpm

NOT TO SCALE
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Drawn by: M. Slaby MES

**Groundwater Treatment Schematic
 Figure 2**