STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles, California 90013

FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR

ONE WORLD TRADE CENTER

ORDER NO. R4-2003-0111
NPDES NO. CAG994004, SERIES NO. 208
CI-9201

FACILITY ADDRESS
One World Trade Center
Long Beach, CA 90831

FACILITY MAILING ADDRESS
One World Trade Center, Suite 198
Long Beach, CA 90831

PROJECT DESCRIPTION:

One World Trade Center proposes to pump and discharge seepage groundwater collected from its underground structure at the above-referenced facility. The groundwater beneath the site is impacted by volatile organic compounds (VOC's) mostly tetrachloroethene (PCE), and chromium. The groundwater will be treated for PCE and chromium before being discharge to a storm drain. A desilting tank along with a multi-chamber bag filtration system will be installed to allow sediment to settle out. Granular activated carbon (GAC) and PE 700 IX Resin a chromium-selective ion exchange resin filtration system are provided to treat for VOC's and chromium, respectively.

VOLUME AND DESCRIPTION OF DISCHARGE:

Approximately 36,000 gallons per day of groundwater will be discharged into a nearby storm drain (Latitude: 33° 46' 03" and Longitude: 118° 11' 59") thence, to Los Angeles River (between Figueroa Street and Los Angeles River Estuary), waters of the United States. Therefore, the discharge limitations in Attachment B.7.d of Order No. R4-2003-0111 are applicable to your discharge. The site location map and treatment schematic are shown in Figure 1 and Figure 2 respectively.

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 your discharge. The discharge from the project site flows into Los Angeles River between Figueroa Street and Los Angeles River Estuary. Therefore the limitations in Attachment B.7.d. of Order No. R4-2003-0111 are 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
Boron	mg/L	1.5	---
Nitrogen*	mg/L	5	---
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	---
Total Dissolved Solids	mg/L	1500	---
Sulfate	mg/L	350	---
Chloride	mg/L	190	---
Nitrogen	mg/L	8	---
Phenols	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---
Methylene Blue Active Substances (MBAS)	mg/L	0.5	---
Chromium III	µg/L	50	---
Chromium VI	µg/L	16	8
Tetrachloroethene	µg/L	5	---

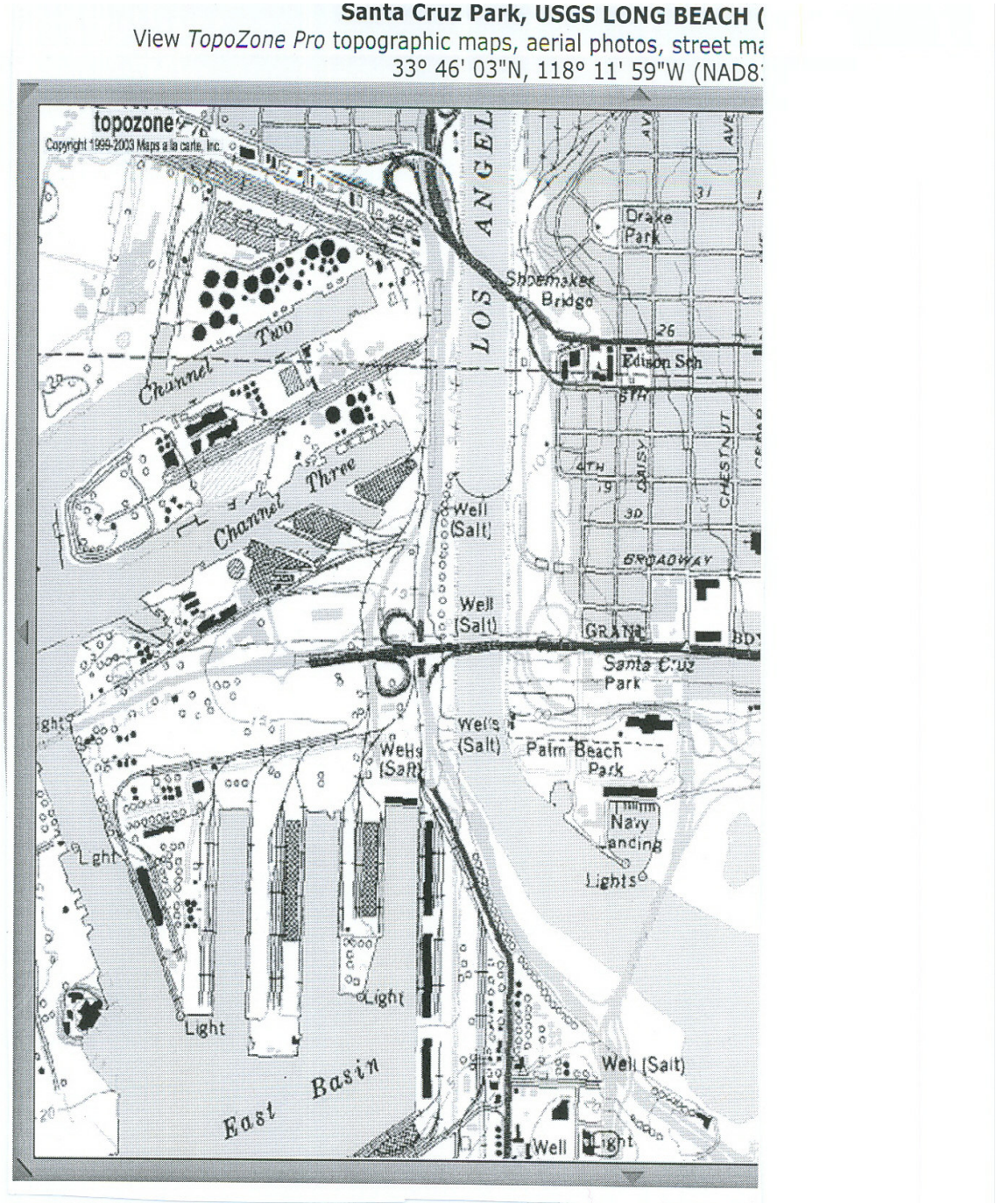
* Nitrate-nitrogen + nitrite-nitrogen

FREQUENCY OF DISCHARGE:

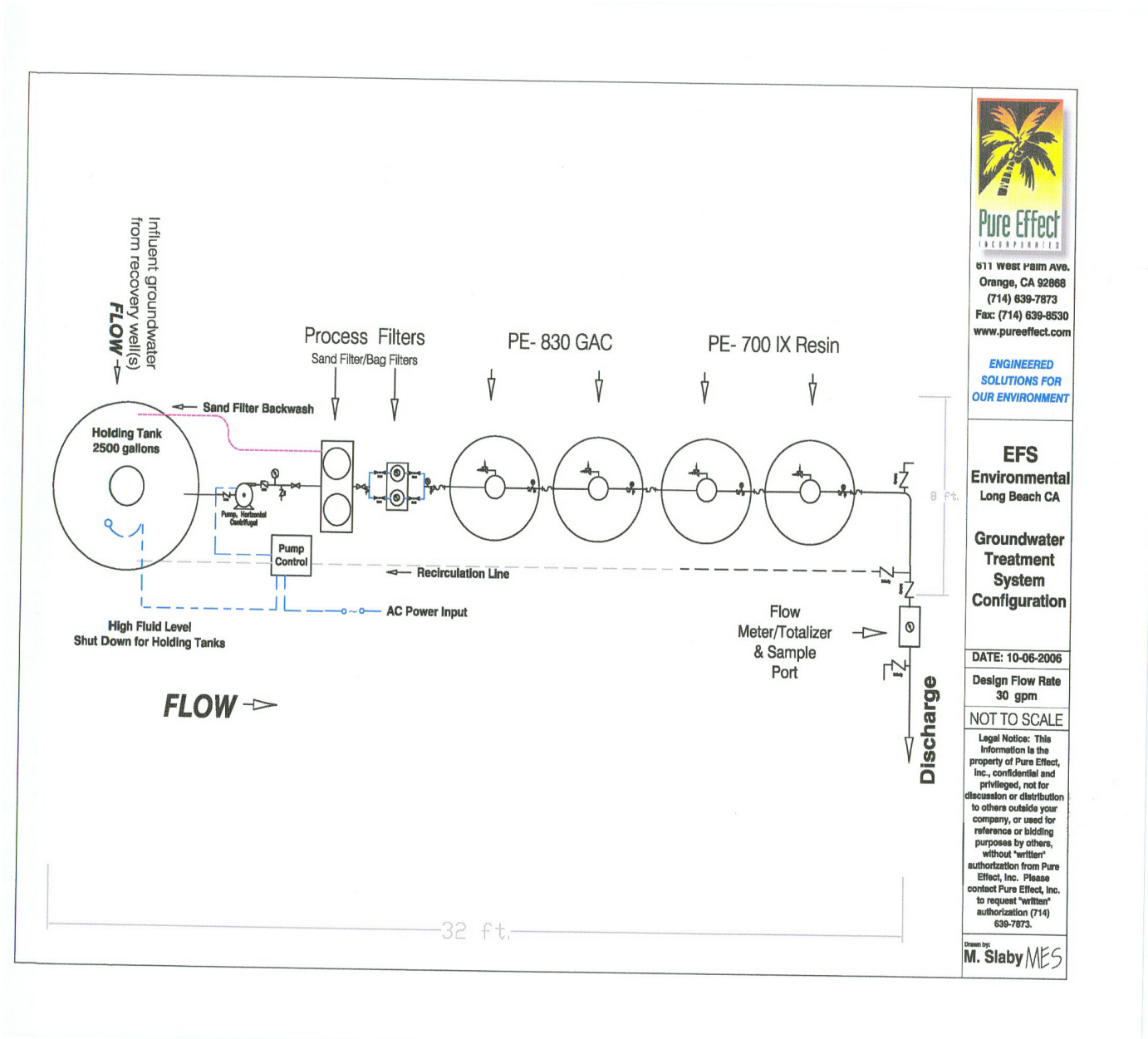
The discharge of groundwater will be continuous.

REUSE OF WATER:

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



Site Location
Figure 1



Treatment Schematic
Figure 2