

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
W. E. CONSTRUCTION INC.
(Del Amo Park Improvement Project)
NPDES NO. CAG994004
CI-9540

FACILITY LOCATION

703 Del Amo Boulevard
Carson, CA 90745

FACILITY MAILING ADDRESS

15421 Carmenita Road #P
Santa Fe Springs, CA 90670

PROJECT DESCRIPTION

W.E. Construction Inc. (WEC) is renovating the Del Amo Park's recreation building and sub-surface structures for the City of Carson. Del Amo Park is located at 703 Del Amo Boulevard, Carson, California. Dewatering is anticipated during approximately two months construction project time. Extracted groundwater will be stored in a settling tank and then passed through granular activated carbon unit to remove organic compounds. The groundwater then will be treated by passing through an ion exchange filtration unit to remove heavy metals. The treated groundwater will be tested prior to discharge to the nearby Dominguez Channel.

VOLUME AND DESCRIPTION OF DISCHARGE

It is estimated that up to 57,600 gallons per day of treated groundwater will be discharged to the Dominguez Channel at Latitude 33°50'50", Longitude 118°15'46", a water of the United States. The site location map and the schematic of waste flow diagram are shown as Figures 1 and 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 the discharge. The treated groundwater discharged from the project site flows into the Dominguez Channel. Therefore, discharge limitations specified in Attachment B Order No. R4-2003-0111 are not applicable to the discharge.

September 2, 2009

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 | 44.4 | 22.1 |
| Cyanide | µg/L | 8.5 | 4.2 |
| Lead | µg/L | 25.6 | 12.8 |
| Selenium | µg/L | 8.0 | 4.0 |
| Pentachlorophenol | µg/L | 1.5 | 0.73 |

FREQUENCY OF DISCHARGE

The discharge of groundwater will be continuous for the duration of the construction project.

REUSE OF WATER

It is not economically feasible to haul all the groundwater for off-site disposal. It is not feasible to discharge the water to the sanitary sewer system. There are no other feasible reuse options for the discharge. Therefore, the treated groundwater will be discharged to the Dominguez Channel in compliance with the requirements of the attached order.

8-20-2009 Topo Map for W E Construction 703 E. Del Amo Blvd. Carson CA 90745

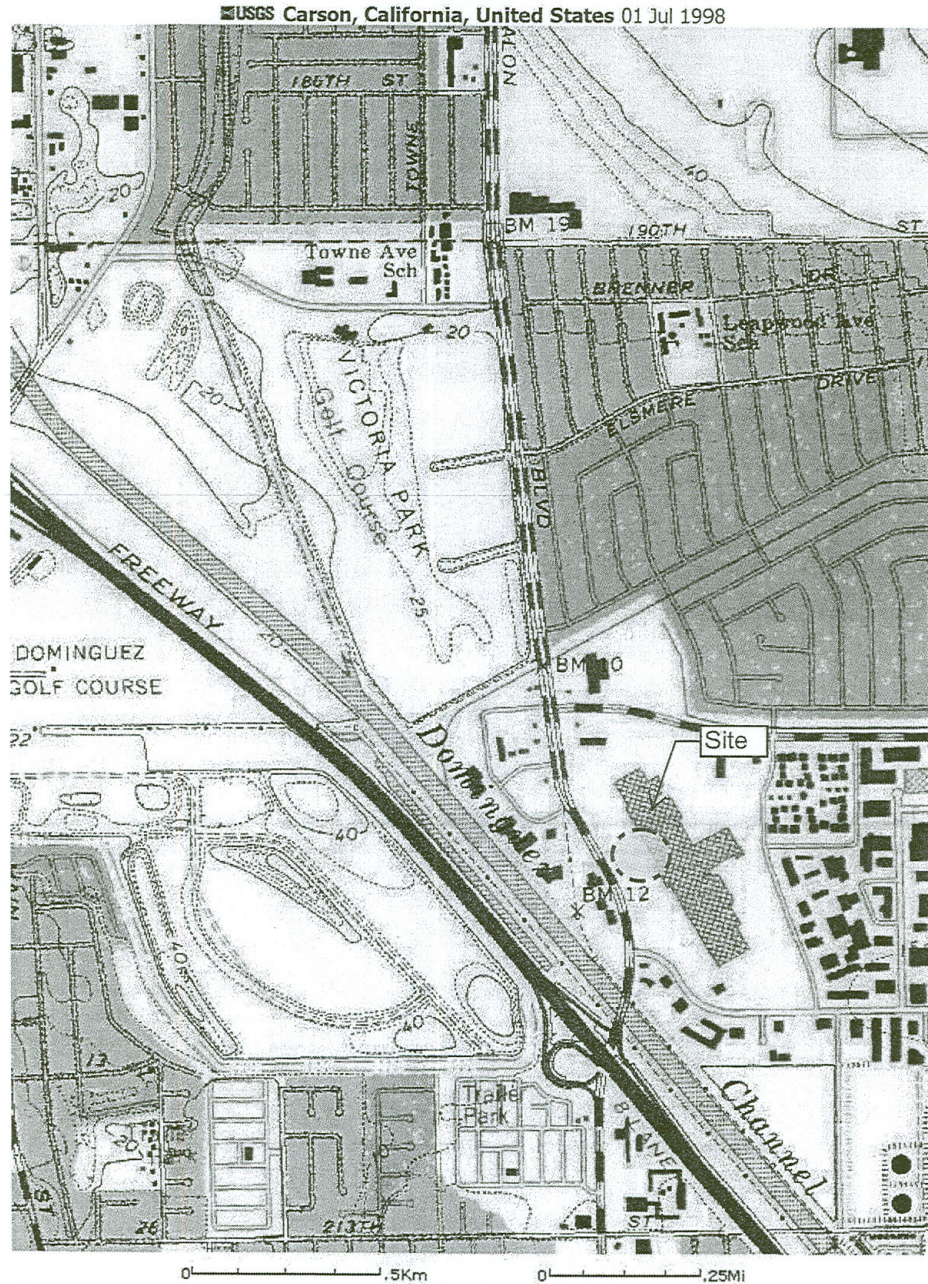
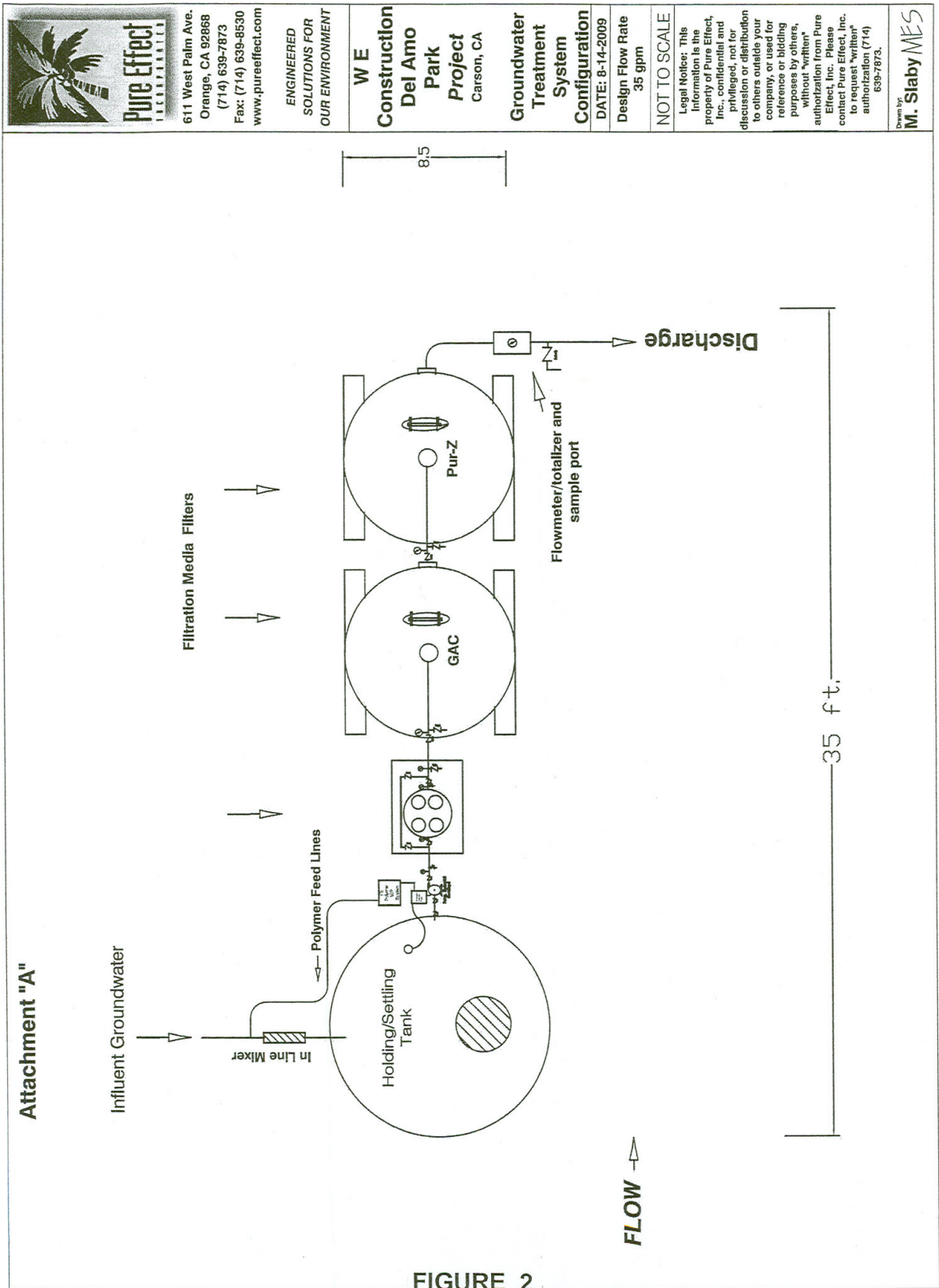


Image courtesy of the U.S. Geological Survey
© 2004 Microsoft Corporation. [Terms of Use](#) [Privacy Statement](#)



FIGURE 1

Pure Effect, Inc. 611 West Palm Avenue Orange, CA 92868
714-639-7873 Web: www.pureeffect.com
Sales: Jeff Sherod x 207
Technical: Michael Slaby x 202



611 West Palm Ave.
 Orange, CA 92668
 (714) 639-7873
 Fax: (714) 639-8530
 www.pureeffect.com

**ENGINEERED
 SOLUTIONS FOR
 OUR ENVIRONMENT**

WE
Construction
Del Amo
Park
Project
 Carson, CA

Groundwater
Treatment
System
Configuration

DATE: 8-14-2009

Design Flow Rate
 35 gpm

NOT TO SCALE

Legal Notice: This information is the property of Pure Effect, Inc., confidential and privileged, not for discussion or distribution to others outside your company, or use for any other purpose without the written authorization from Pure Effect, Inc. Please contact Pure Effect, Inc. to request "written" authorization (714) 639-7873.

Drawn by
MI. Slaby MES