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
SOCO WEST, INC.
(Former Chase Chemical Facility Remediation Project)
NPDES NO. CAG994004
CI-9418

FACILITY LOCATION
13540/13546 Desmond Street
Pacoima, CA 91331

FACILITY MAILING ADDRESS
100 First Stamford Place, Box 14
Stamford, CT 06902

PROJECT DESCRIPTION

Soco West, Inc. (SOCO) proposes to conduct remediation activities at the former Chase Chemical facility located at 13540/13546 Desmond Street, Pacoima. The facility is a former chemical storage and distribution center. SOCO proposes to remediate groundwater underneath the subject site that is impacted with volatile hydrocarbons and 1,4-Dioxane. The remediation project is under the oversight of the Department of Toxic Substances Control. Up to 0.44 million gallons per day (mgd) of treated groundwater will be discharged during the remediation project. Extracted groundwater will be stored in tank(s) and passed through particulate filters and then an ultraviolet-oxidation (UV-Oxidation) system to remove 1,4-Dioxane. The groundwater then will be treated by passing through a series of granular activated carbon units to remove volatile organic compounds. The treated groundwater will be tested prior to discharge to the storm drain.

VOLUME AND DESCRIPTION OF DISCHARGE

It is estimated that up to 0.44 mgd of treated groundwater will be discharged to a local storm drain at Latitude 34°16'30", Longitude 118°25'29", which flows to the Los Angeles River, 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 Los Angeles River between Sepulveda Flood Control Basin and Figueroa Street. Therefore, discharge limitations under "Other Water" column in Part E.1.a. of the Order applies. In addition, the limitations specified in Attachment B.7.b. of Order No. R4-2003-0111 are applicable to the discharge.

May 29, 2008

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

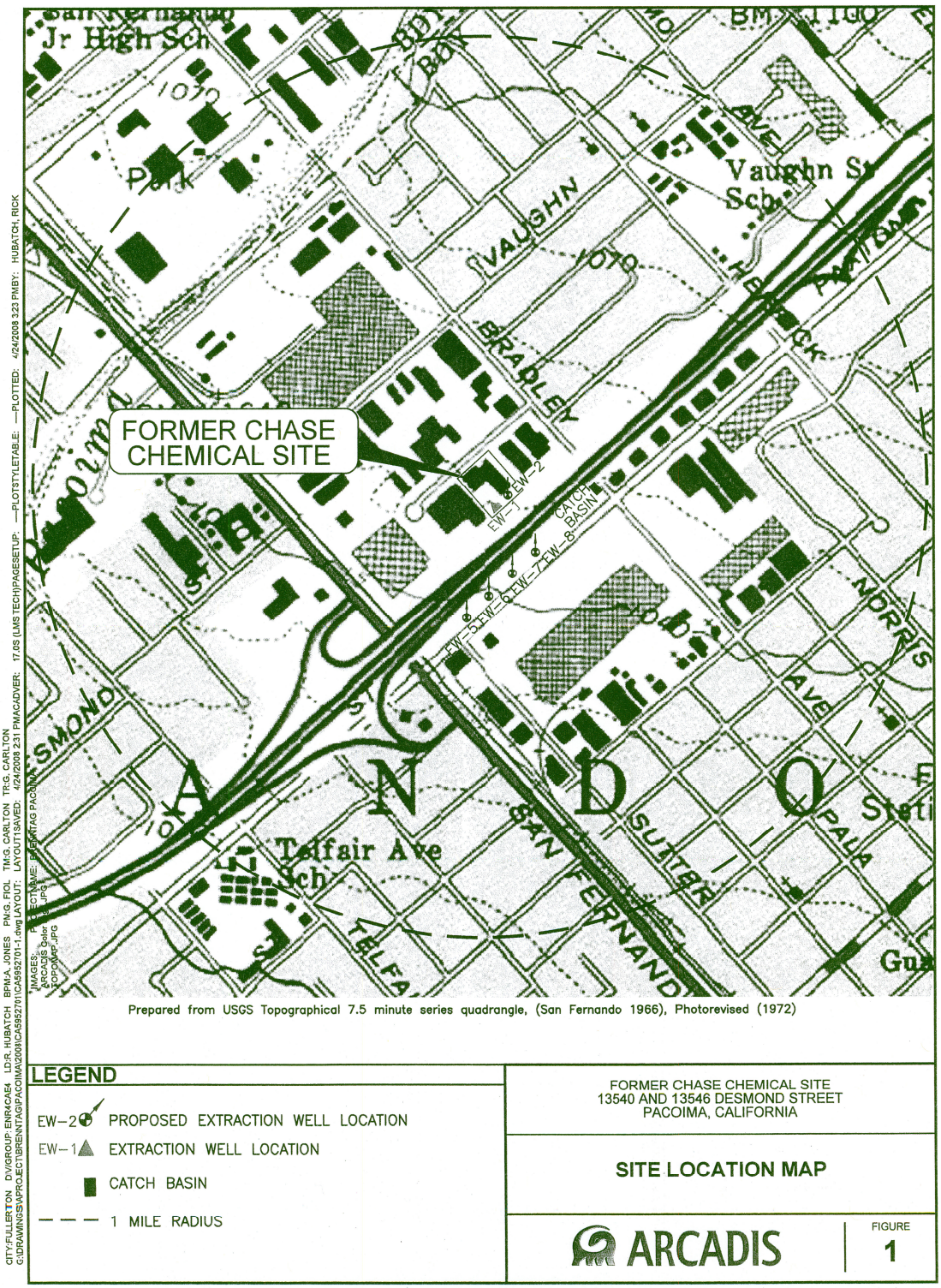
Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Total Dissolved Solids	mg/L	950	---
Turbidity	NTU	150	50
BOD_5 20°C	mg/L	30	20
Oil and Grease	mg/L	15	10
Settleable Solids	ml/L	0.3	0.1
Sulfides	mg/L	1.0	---
Sulfate	mg/L	300	---
Chloride	mg/L	190	---
Nitrogen	mg/L	8.0	---
Phenols	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---
Methylene Blue Active Substances (MBAS)	mg/L	0.5	---
1,1-Dichloroethane	µg/L	5.0	---
1,1-Dichloroethylene	µg/L	6.0	3.2
Tetrachloroethylene	µg/L	5.0	---
Trichloroethylene	µg/L	5.0	---
1,4-Dioxane	µg/L	3.0	---

FREQUENCY OF DISCHARGE

The discharge of groundwater will be continuous for the duration of the remediation 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 storm drain in compliance with the requirements of the attached order.


FORMER CHASE CHEMICAL SITE
Jr High Sch
Vaughn St Sch
VAUGHN
BRADLEY
DESMOND
NORRIS AVE
PAULA
SUTTER
SAN FERNANDO
Telfair Ave Sch
TELFA
EW-1
EW-2
EW-5
EW-6
EW-7
EW-8
CATCH BASIN
Prepared from USGS Topographical 7.5 minute series quadrangle, (San Fernando 1966), Photorevised (1972)
LEGEND
EW-2 PROPOSED EXTRACTION WELL LOCATION
EW-1 EXTRACTION WELL LOCATION
CATCH BASIN
1 MILE RADIUS
FORMER CHASE CHEMICAL SITE
13540 AND 13546 DESMOND STREET
PACOIMA, CALIFORNIA
SITE LOCATION MAP
ARCADIS
FIGURE
1

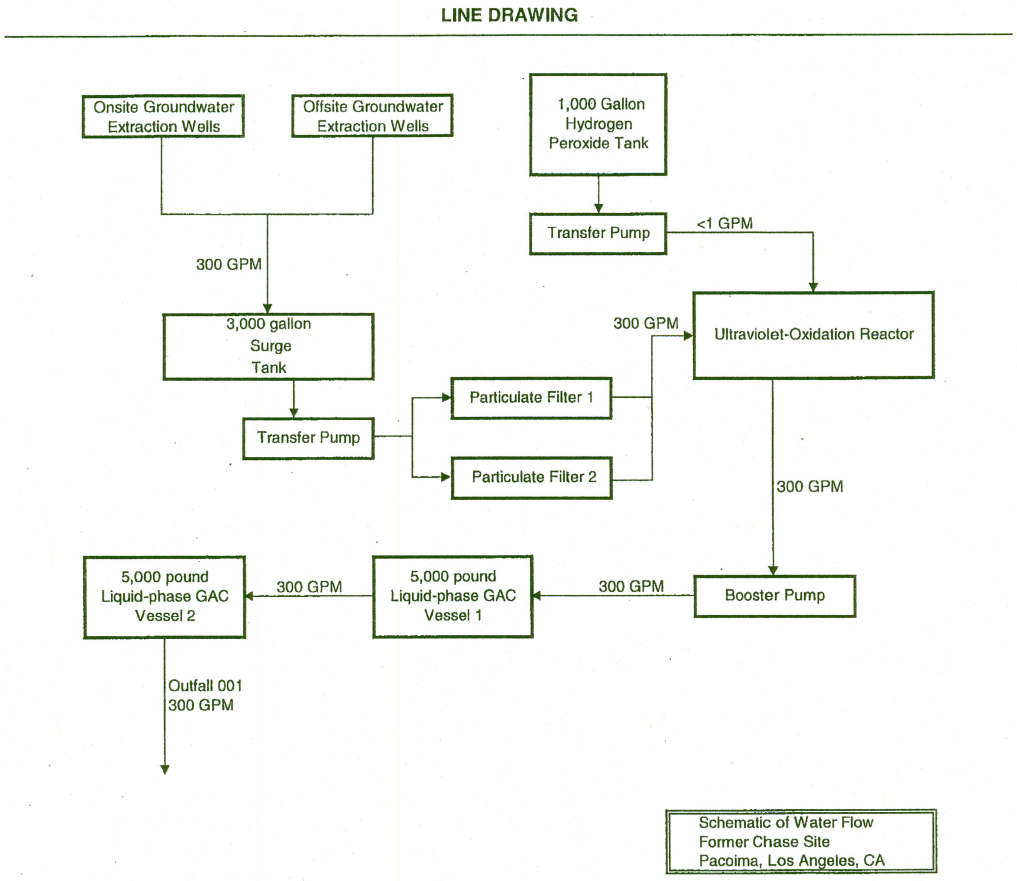

LINE DRAWING
Onsite Groundwater Extraction Wells
Offsite Groundwater Extraction Wells
1,000 Gallon Hydrogen Peroxide Tank
Transfer Pump
<1 GPM
300 GPM
3,000 gallon Surge Tank
300 GPM
Ultraviolet-Oxidation Reactor
Particulate Filter 1
Transfer Pump
Particulate Filter 2
300 GPM
5,000 pound Liquid-phase GAC Vessel 2
300 GPM
5,000 pound Liquid-phase GAC Vessel 1
300 GPM
Booster Pump
Outfall 001
300 GPM
Schematic of Water Flow
Former Chase Site
Pacoima, Los Angeles, CA

FIGURE 2