

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
G & M OIL COMPANY, INC.
(Station #56 Remediation Project)
NPDES NO. CAG994004
CI-9109

FACILITY LOCATION

9409 Alondra Blvd.
Bellflower, CA 90706

FACILITY MAILING ADDRESS

16868 "A" Street
Huntington Beach, CA 92647

PROJECT DESCRIPTION

G & M Oil Company (G & M) operates a groundwater treatment system at Station #56 located at 9409 Alondra Blvd., Bellflower. Shallow groundwater underneath the subject site is impacted with petroleum hydrocarbons and methyl tertiary butyl ether (MTBE). The remediation project is under this Regional Board's oversight. Extracted groundwater is treated by passing it through an oil-water diffuser tank, then through a series of three canisters containing granular activated carbon (GAC) to remove MTBE, petroleum hydrocarbons, and other volatile organic compounds, if any. Treated groundwater is discharged into a nearby storm drain under the General NPDES Permit CAG994004, Order No. R4-2003-0111. On November 14, 2008, G & M submitted a complete Notice of Intent Form to continue enrollment under the general NPDES permit. Order No. R4-2008-0032 supersedes Order No. R4-2003-0111 and continues the facility enrollment under the General NPDES permit.

VOLUME AND DESCRIPTION OF DISCHARGE

Up to 7,200 gpd of treated groundwater is discharged to a local storm drain (Discharge Point M-001) at Latitude 32°49'26", Longitude 116°31'68", which flows to San Gabriel River, a water of the United States. The site location map and the schematic diagram of the treatment flow 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.

May 13, 2009

The treated groundwater discharged from the project site flows into San Gabriel River between Firestone Boulevard and the San Gabriel River Estuary, therefore, the discharge limitations in Attachment B of the Order are not applicable to the 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	---
Total Petroleum Hydrocarbons	µg/L	100	---
Methyl tertiary butyl ether (MTBE)	µg/L	5.0	---
Tertiary butyl alcohol (TBA)	µg/L	12	---
Di-isopropyl Ether (DIPE)	µg/L		
Benzene	µg/L	1.0	---
Ethylbenzene	µg/L	700	---
Toluene	µg/L	150	---
Xylenes	µg/L	3,340	---

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 is discharged to the storm drain in compliance with the requirements of the attached order.



Map: 7.5' USGS Topographic Map South Gate Quadrangle
 Date: <1981> (photorevised 1989)
 Scale: 1: 25000



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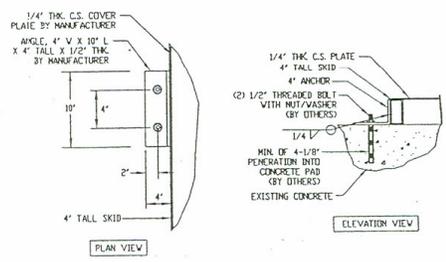
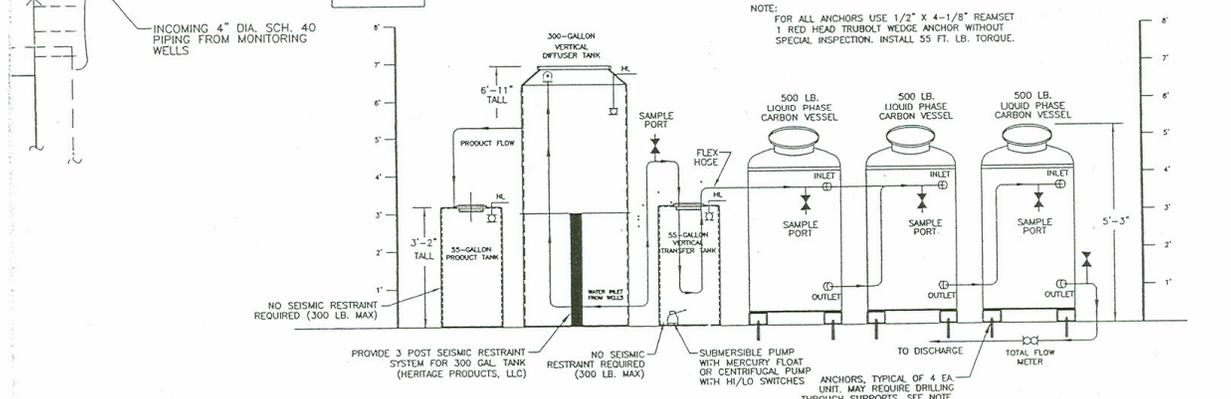
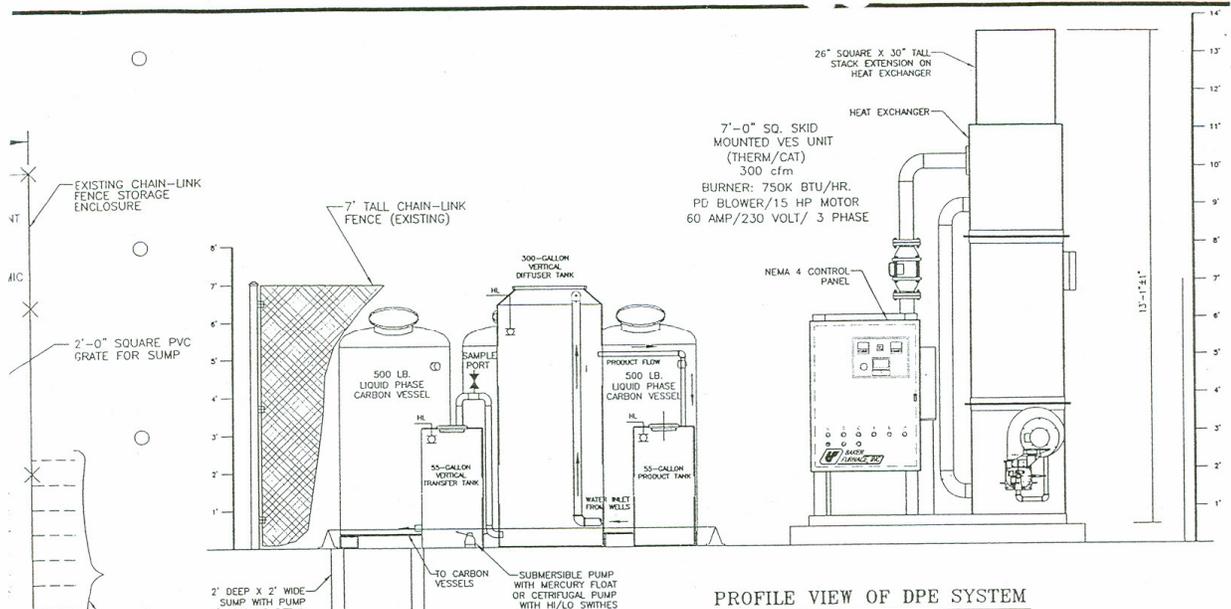
**G & M OIL COMPANY, INC.
 STATION # 56**

9409 ALONDRA BOULEVARD
 BELLFLOWER, CA

SITE VICINITY MAP



FIGURE 1



OXIDIZER SKID
 ANCHOR DETAIL
 NOT TO SCALE

WATER TREATMENT PROCESS FLOW DIAGRAM
 NOT TO SCALE

G&M OIL COMPANY, INC. SERVICE STATION #56 9409 ALONDRA BOULEVARD BELLFLOWER, CALIFORNIA		TREATMENT COMPOUND	
NOT TO SCALE		DRAWING NUMBER: G58-SYS-F2	FIGURE 2
		Drawn By: EFD/KB	Date: 11/18/2004
		Rev.: 11/23/2005	Design By: ct/sp/khk
15701 CHEMICAL LANE HUNTINGTON BEACH, CA 92649 PHONE: (714) 890-7129 ATLAS ENVIRONMENTAL ENGINEERING, INC.			
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