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
WARTMANN OIL COMPANY, INC.
(La Crescenta Service Station Remediation Project)
NPDES NO. CAG994004
CI-9430

FACILITY LOCATION
3044 Foothill Boulevard
La Crescenta, CA 91214

FACILITY MAILING ADDRESS
3044 Foothill Boulevard
La Crescenta, CA 91214

PROJECT DESCRIPTION

Wartmann Oil Company, Inc. (WOC) proposes to conduct groundwater remediation activities at their gasoline service station located at 3044 Foothill Boulevard, La Crescenta. The primary contaminants in groundwater beneath the subject site include petroleum hydrocarbons, methyl tertiary butyl ether (MTBE), and heavy metals. The remediation project is under this Regional Board's oversight. Up to 17,280 gallons per day (gpd) of treated groundwater will be discharged during the remediation project. Extracted groundwater will be stored in tank(s) and passed through a series of granular activated carbon units to remove total petroleum hydrocarbons (TPH) and other organics. Filtration system with organoclay and bonechar will be used to remove heavy metals. The treated groundwater will be tested prior to discharge to the storm drain.

VOLUME AND DESCRIPTION OF DISCHARGE

Up to 17,280 gpd of treated groundwater will be discharged to a local storm drain at Latitude 34°13'39", Longitude 118°14'46", which drains to Arroyo Seco Channel, thence 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. Therefore, discharge limitations under "Other Water" column in Part V.1.a. and 1.c. of the Order applies. In addition, the limitations specified in Attachment B.7.c. of Order No. R4-2008-0032 are applicable to the discharge.

July 9, 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	150	---
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	---
Total Petroleum Hydrocarbons	µg/L	100	---
Methyl tertiary butyl ether (MTBE)	µg/L	5.0	---
Benzene	µg/L	1.0	---
Ethylbenzene	µg/L	700	---
Toluene	µg/L	150	---
Xylenes	µg/L	1750	---
Antimony	µg/L	6.0	---
Copper	µg/L	22	11
Chromium VI	µg/L	16	8.0
Lead	µg/L	11	5.5
Zinc	µg/L	350	170

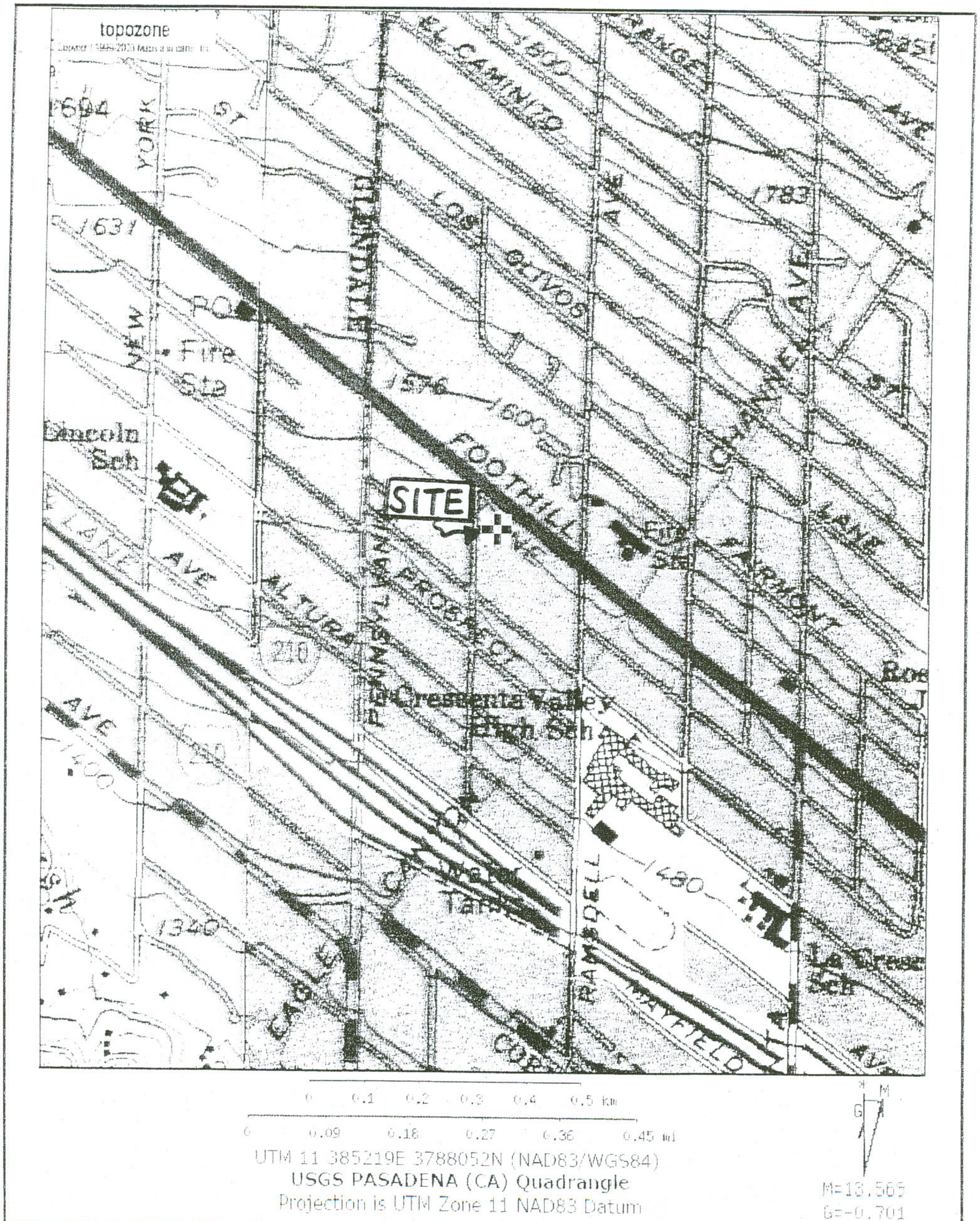
* Nitrogen = Nitrate-nitrogen + Nitrite-nitrogen (NO_3 – N + NO_2 –N)

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.



DATE: 8/2007	PROJECT: Wortmann.P01	AA&A, INC.	Site Location: 3044 Foothill Boulevard La Crescenta, CA 91214
TITLE: NPDES PERMIT APPLICATION - TOPO MAP			

FIGURE 1

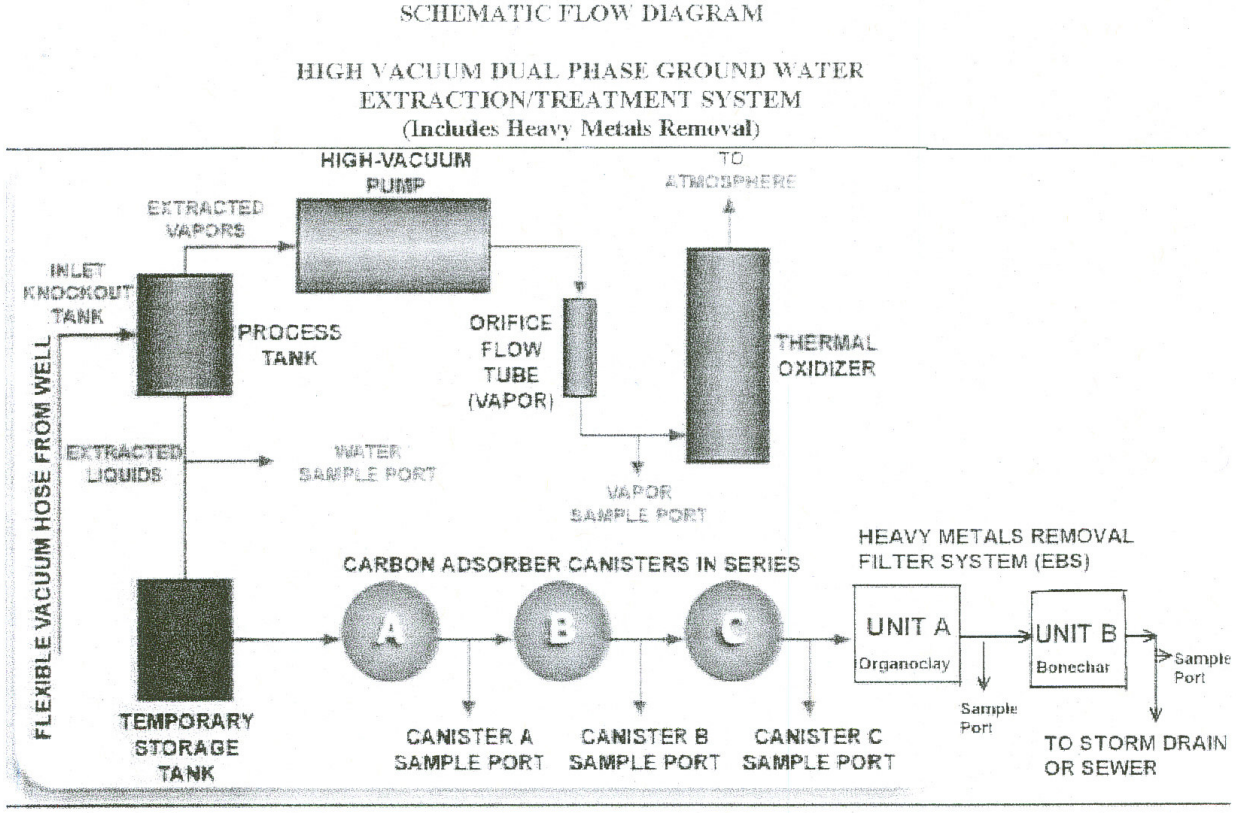

SCHEMATIC FLOW DIAGRAM
HIGH VACUUM DUAL PHASE GROUND WATER EXTRACTION/TREATMENT SYSTEM
(Includes Heavy Metals Removal)
HIGH-VACUUM PUMP
TO ATMOSPHERE
EXTRACTED VAPORS
INLET KNOCKOUT TANK
PROCESS TANK
ORIFICE FLOW TUBE (VAPOR)
THERMAL OXIDIZER
FLEXIBLE VACUUM HOSE FROM WELL
EXTRACTED LIQUIDS
WATER SAMPLE PORT
VAPOR SAMPLE PORT
HEAVY METALS REMOVAL FILTER SYSTEM (EBS)
CARBON ADSORBER CANISTERS IN SERIES
A
B
C
UNIT A
Organoclay
UNIT B
Bonechar
Sample Port
Sample Port
TEMPORARY STORAGE TANK
CANISTER A SAMPLE PORT
CANISTER B SAMPLE PORT
CANISTER C SAMPLE PORT
TO STORM DRAIN OR SEWER

FIGURE 2