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
EDCO STATIONS, INC.
(Carson Mini Truck Stop Remediation Project)
NPDES NO. CAG994004
CI-9347

FACILITY LOCATION
101 W. Victoria Street
Carson, CA 90248

FACILITY MAILING ADDRESS
5050 E. Olympic Boulevard
Los Angeles, CA 90022

PROJECT DESCRIPTION

EDCO Stations, Inc. (EDCO) operates a groundwater treatment system at the Carson Mini Truck Stop located at 101 W. Victoria Street, Carson. The facility is a retail fuel dispensing facility/truck stop that sells gasoline and diesel. The primary contaminants in groundwater underneath the subject site include fuel oil, tertiary butyl alcohol (TBA), and methyl tertiary butyl ether (MTBE). The remediation project is under this Regional Board's oversight. Extracted groundwater is 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 is discharged into a nearby storm drain under the General NPDES Permit CAG994004, Order No. R4-2003-0111. On July 2, 2008, EDCO 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 72,000 gpd of treated groundwater is discharged to a local storm drain (Discharge Point M-001) at Latitude 33°51'55", Longitude 118°16'33", which flows to Dominguez Channel, 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.

July 31, 2008

The treated groundwater discharged from the project site flows into Dominguez Channel. Therefore, discharge limitations under "Other Water" column in Part V.1.a. and 1.b. of Order No. R4-2008-0032 applies. In addition, the limitations specified 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	---
Benzene	µg/L	1.0	---
Xylenes	µg/L	3,340	---
Arsenic	µg/L	10	---
Chromium	µg/L	50	
Copper	µg/L	44.4	22.1
Lead	µg/L	25.6	12.8
Mercury	µg/L	0.1	0.05
Zinc	µg/L	350	170

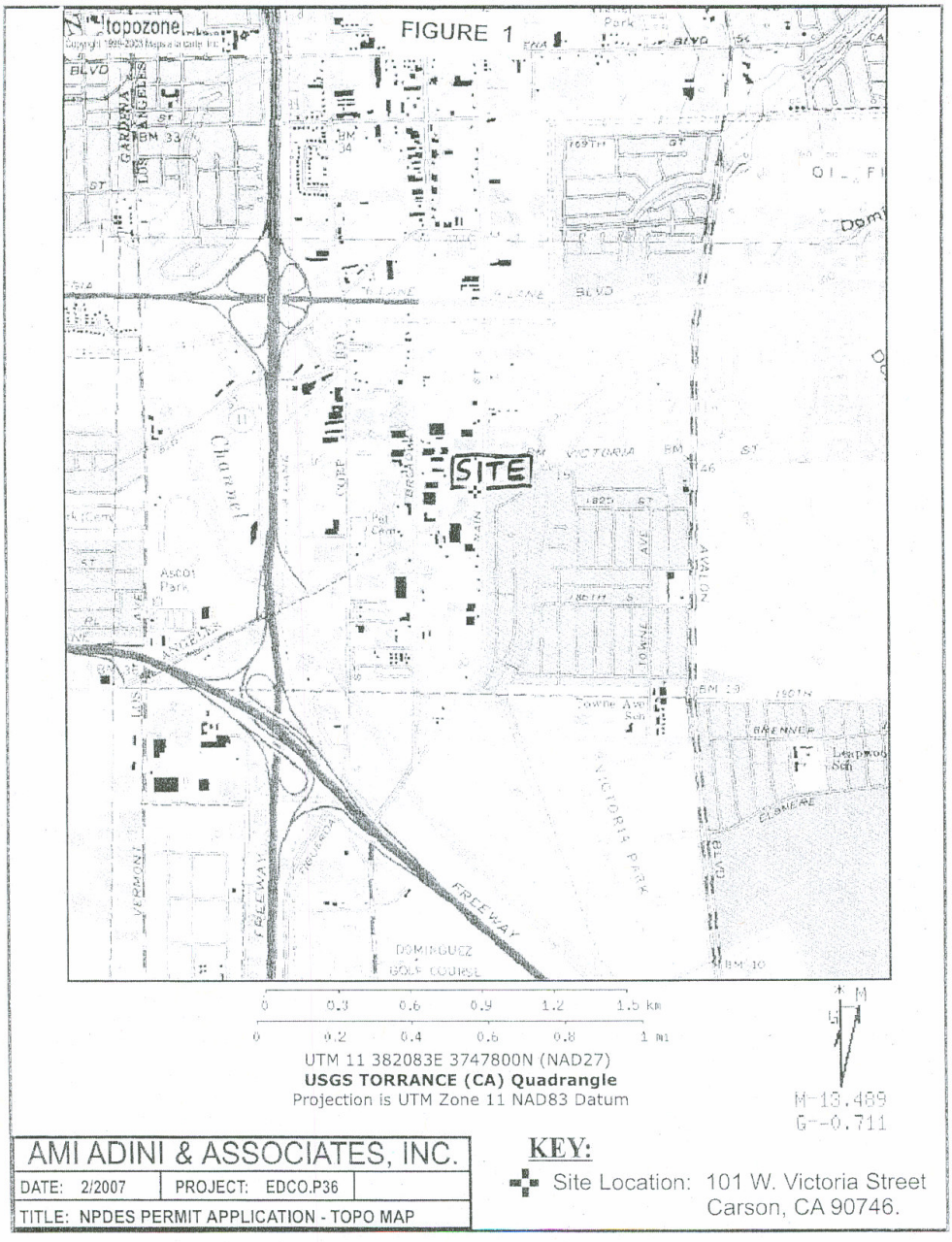
FREQUENCY OF DISCHARGE

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.

EDCO Stations, Inc. CI-9347
(Carson Mini Truck Stop Remediation Project)
Fact Sheet



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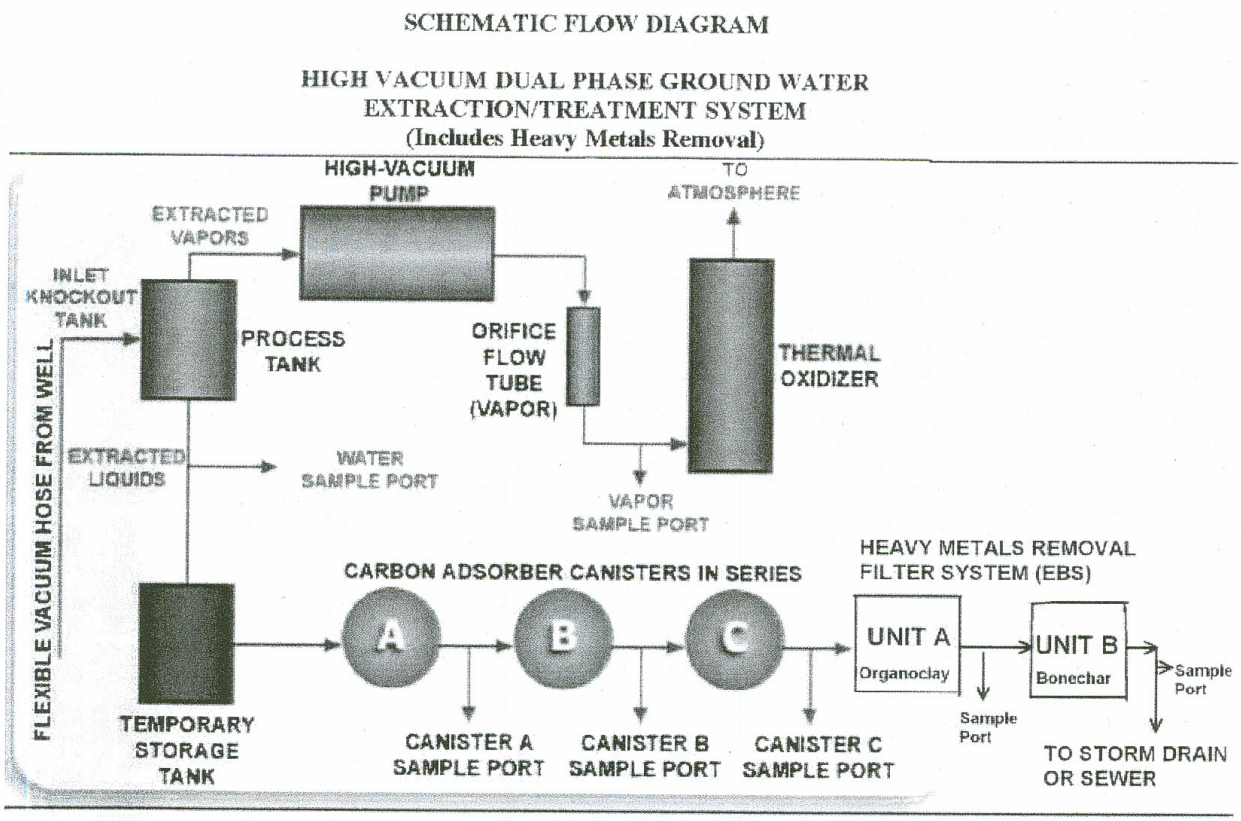
SCHEMATIC FLOW DIAGRAM
HIGH VACUUM DUAL PHASE GROUND WATER EXTRACTION/TREATMENT SYSTEM
(Includes Heavy Metals Removal)
HIGH-VACUUM PUMP
TO ATMOSPHERE
EXTRACTED VAPORS
INLET KNOCKOUT TANK
PROCESS TANK
ORIFICE FLOW TUBE (VAPOR)
THERMAL OXIDIZER
FLEXIBLE VACUUM HOSE FROM WELL
EXTRACTED LIQUIDS
WATER SAMPLE PORT
VAPOR SAMPLE PORT
CARBON ADSORBER CANISTERS IN SERIES
HEAVY METALS REMOVAL FILTER SYSTEM (EBS)
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