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) proposes to conduct remediation activities 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. EDCO proposes to remediate groundwater underneath the subject site impacted with mainly fuel oil. The remediation project is under this Regional Board's oversight. Up to 72,000 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

It is estimated that up to 72,000 gpd of treated groundwater will be discharged to a local storm drain 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 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 miscellaneous coastal stream. Therefore, discharge limitations under "Other Water" column in Part E.1.a. and 1.c. of the Order applies. In addition, the limitations specified in Attachment B of Order No. R4-2003-0111 are not applicable to the discharge.

November 27, 2007

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	---
Ethylbenzene	µg/L	700	---
Copper	µg/L	5.8	2.9
Lead	µg/L	14	7.0
Zinc	µg/L	95	47

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.

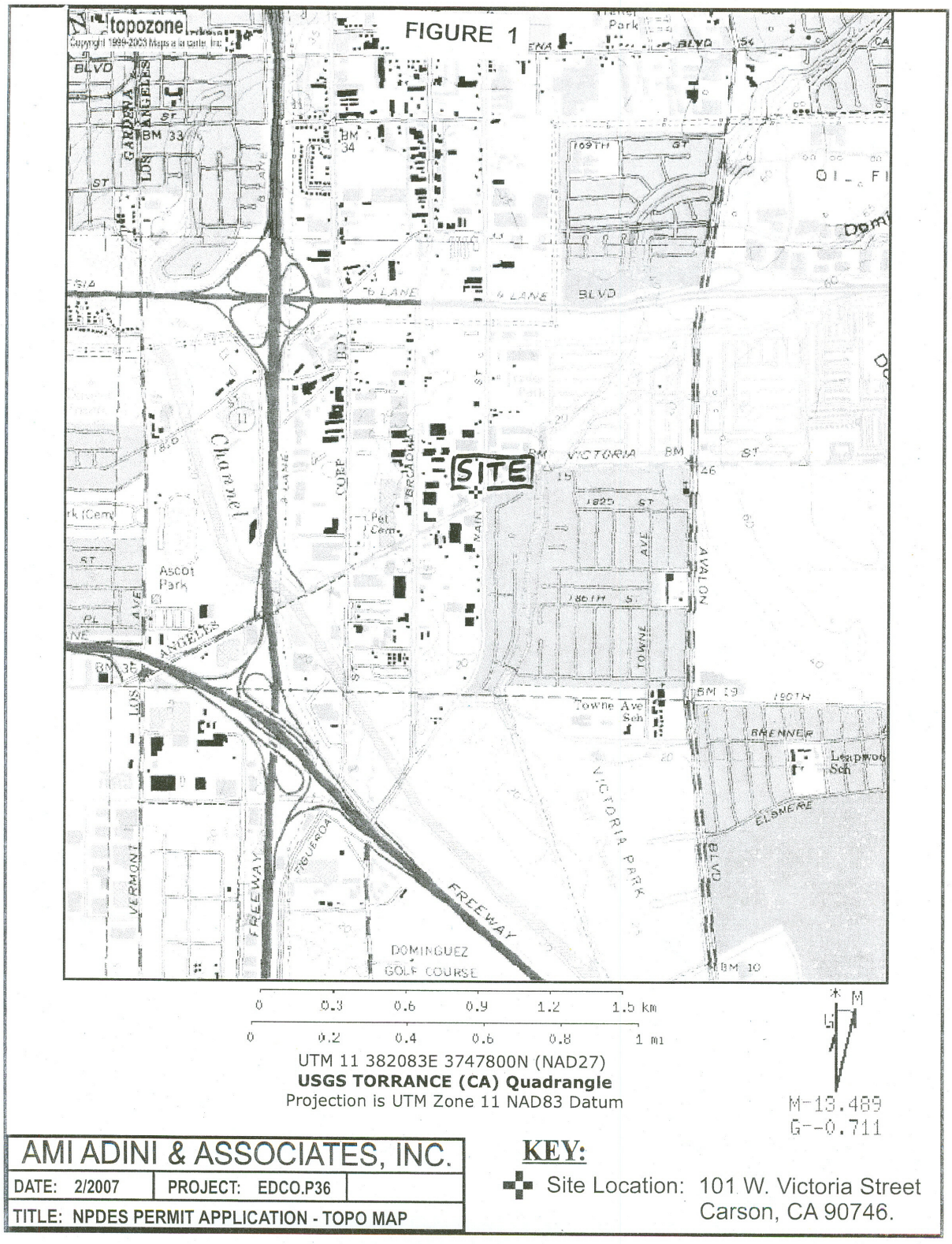
FIGURE 1
topozone
SITE
Ascot Park
Dominguez Channel
DOMINGUEZ GOLF COURSE
VICTORIA PARK
FREEWAY
Towne Ave Sch
Leapwood Sch
0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi
UTM 11 382083E 3747800N (NAD27)
USGS TORRANCE (CA) Quadrangle
Projection is UTM Zone 11 NAD83 Datum
M-13.489
G--0.711
AMI ADINI & ASSOCIATES, INC.
DATE: 2/2007
PROJECT: EDCO.P36
TITLE: NPDES PERMIT APPLICATION - TOPO MAP
KEY:
Site Location: 101 W. Victoria Street
Carson, CA 90746.

SCHEMATIC FLOW DIAGRAM

HIGH VACUUM DUAL PHASE GROUND WATER
EXTRACTION/TREATMENT SYSTEM
(Includes Heavy Metals Removal)

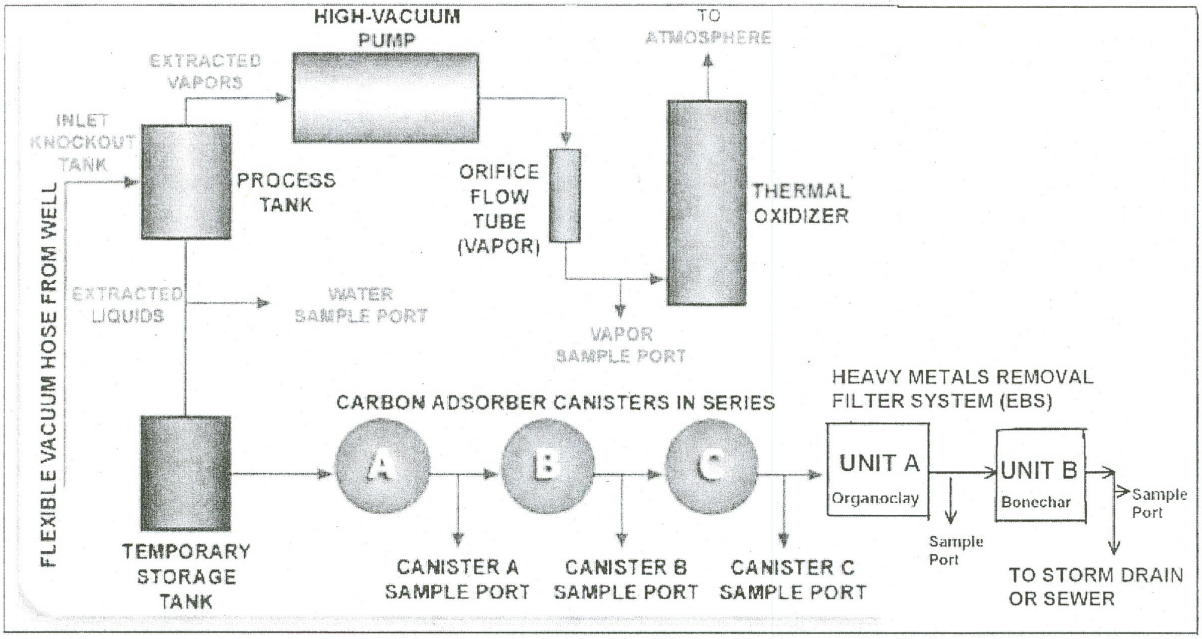

FIGURE 2