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
KINDER MORGAN LIQUID TERMINALS, LLC
(Gaffey Street Terminal Remediation Project)
NPDES NO. CAG994004
CI-9194

FACILITY LOCATION
1313 & 1363 N. Gaffey Street
San Pedro, CA 90731

FACILITY MAILING ADDRESS
370 Van Gordon Street
Lakewood, Colorado 80228

PROJECT DESCRIPTION

Kinder Morgan Liquid Terminals, LLC (Kinder Morgan) operates a groundwater treatment system at 1313 & 1363 Gaffey Street, San Pedro. The primary contaminants in groundwater at the site include total petroleum hydrocarbons, benzene, and heavy metals. The treatment system consists of oil/water separation tanks, process filters, and granular activated carbon (GAC) vessels connected in series to remove organic compounds. Additionally, filtration unit with resin will be used to remove heavy metals. Discharge of treated groundwater to nearby storm drain is covered under the General NPDES Permit CAG994004, Order No. R4-2003-0111. On August 12, 2008, Kinder Morgan 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 enrollment under the General NPDES permit.

VOLUME AND DESCRIPTION OF DISCHARGE

Up to 450,000 gallons per day of treated groundwater will be discharged to a local storm drain at Latitude 33°45'28", Longitude 118°17'44", which flows to a miscellaneous coastal stream, then to the Los Angeles Inner Harbor, 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 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 a miscellaneous coastal stream. Therefore, discharge limitations specified in Attachment B are not applicable to the discharge.

September 30, 2008

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

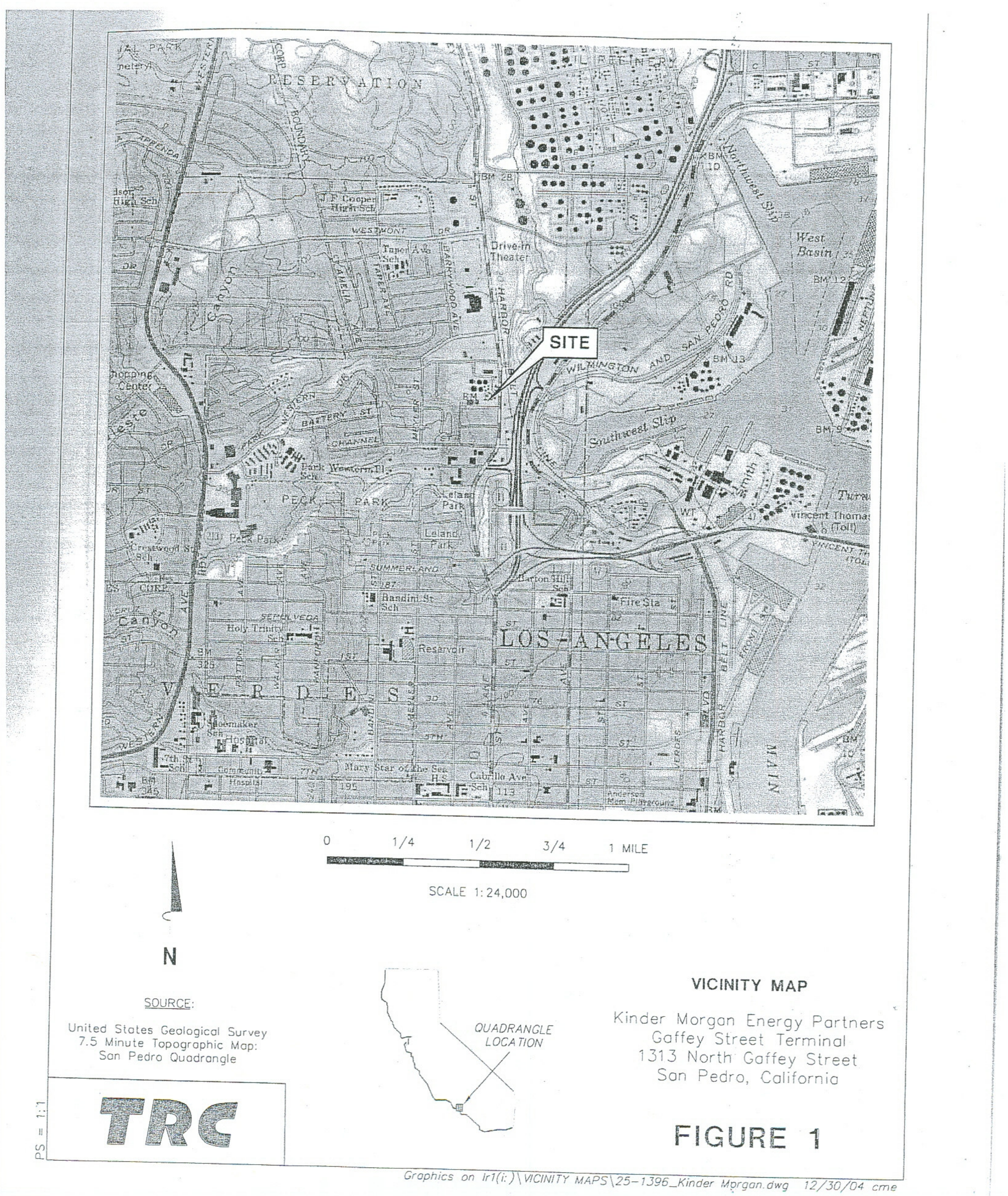
Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD_5 20°C	mg/L	30	20
Oil and Grease	mg/L	15	10
Settleable Solids	ml/L	0.3	0.1
Sulfides	mg/L	1.0	---
Phenols	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---
Methylene Blue Active Substances (MBAS)	mg/L	0.5	---
Volatile Organic Compounds			
Benzene	µg/L	1.0	---
Ethylbenzene	µg/L	700	---
Naphthalene	µg/L	21	---
Total Petroleum Hydrocarbons	µg/L	100	---
Metals			
Copper	µg/L	5.8	2.9
Lead	µg/L	14	7.0
Nickel	µg/L	14	6.7
Zinc	µg/L	95	47

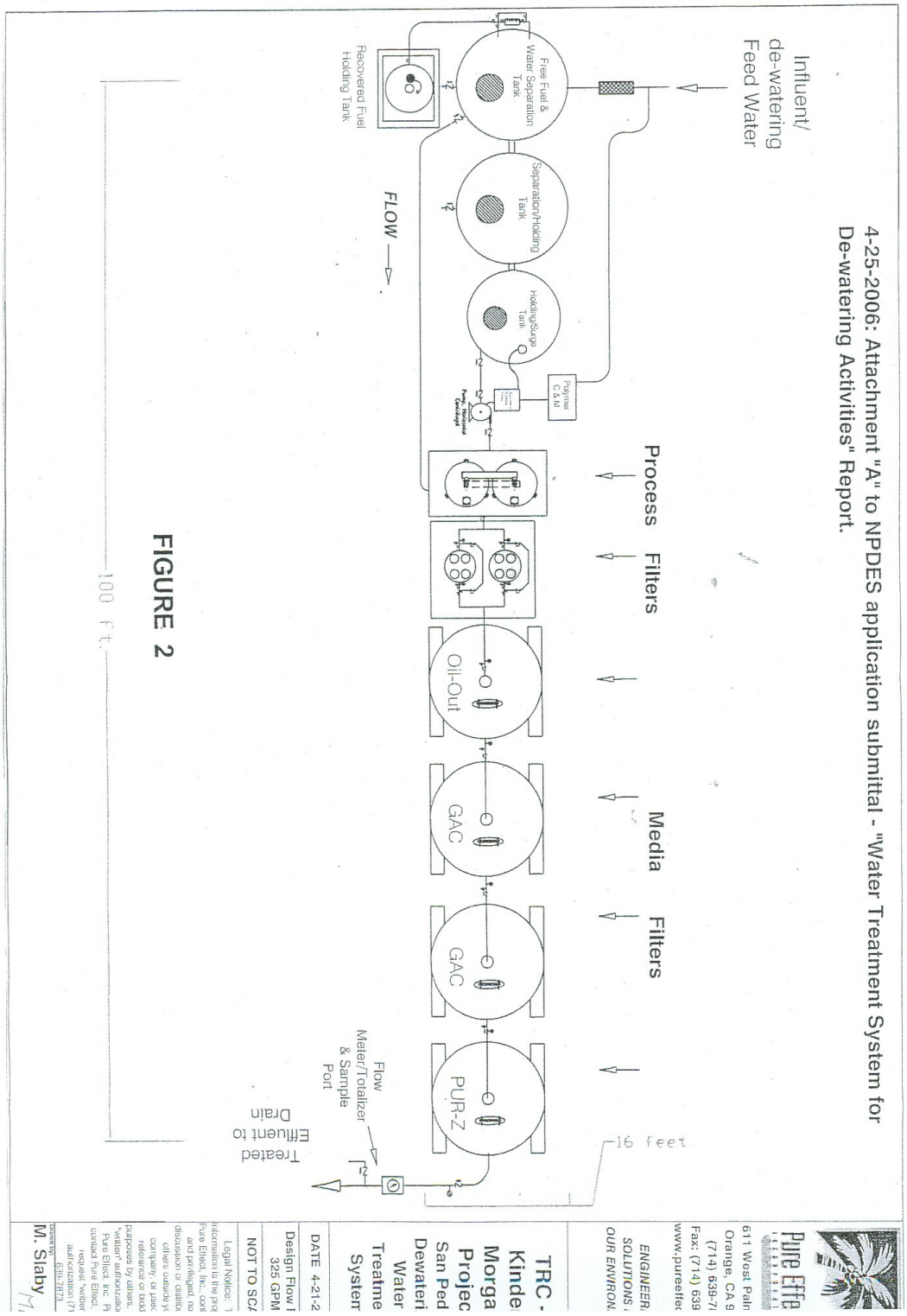
FREQUENCY OF DISCHARGE

The discharge of groundwater will begin in November 2008 and will be last for approximately six months.

REUSE OF WATER

It is not economically feasible to haul all the groundwater for off-site disposal. Due to the large volume of groundwater that will be generated, 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.


SITE
RESERVATION
J F Cooper High Sch
WESTMONT DR
Drive-in Theater
HARBOR
WILMINGTON AND SAN PEDRO RD
Southwest Slip
Northwest Slip
West Basin
Vincent Thomas (Toll)
Park Western Pl
PECK PARK
Peck Park
Leland Park
SUMMERLAND
Bandini St Sch
Barton Hill Sch
Fire Sta
Holy Trinity Sch
Reservoir
LOS ANGELES
V E R D E S
Crestwood St Sch
Canyon
Mary Star of the Sea H S
Cabrillo Ave Sch
MAIN
0 1/4 1/2 3/4 1 MILE
SCALE 1: 24,000
N
SOURCE:
United States Geological Survey
7.5 Minute Topographic Map:
San Pedro Quadrangle
QUADRANGLE LOCATION
VICINITY MAP
Kinder Morgan Energy Partners
Gaffey Street Terminal
1313 North Gaffey Street
San Pedro, California
FIGURE 1
TRC
PS = 1:1
Graphics on lr1(i:)\VICINITY MAPS\25-1396_Kinder Morgan.dwg 12/30/04 cme


4-25-2006: Attachment "A" to NPDES application submittal - "Water Treatment System for De-watering Activities" Report.
Influent/ de-watering Feed Water
Free Fuel & Water Separation Tank
Separator/Holding Tank
Holding/Surge Tank
Recovered Fuel Holding Tank
Polymer C & M
FLOW
Process Filters
Media Filters
Oil-Out
GAC
GAC
PUR-Z
16 feet
Flow Meter/Totalizer & Sample Port
Treated Effluent to Drain
100 ft.
FIGURE 2
TRC -
Kinde
Morga
Projec
San Ped
Dewateri
Water
Treatme
Systen
DATE 4-21-2
Design Flow I
325 GPM
NOT TO SC
Legal Notice:
Pure Effect, Inc.
M. Slaby