

CASE CLOSURE SUMMARY
LOW-THREAT UNDERGROUND STORAGE TANK CASE CLOSURE POLICY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

I. AGENCY INFORMATION

DATE: 12/13/2018

AGENCY NAME:	California Environmental Protection Agency Regional Water Quality Control Board – Colorado River Basin Region (Region 7)	
ADDRESS:	73-720 Fred Waring Drive, Suite 100, Palm Desert, CA 92260	
STAFF PERSON:	Phan Le	TELEPHONE: (760) 776 - 8974

II. CASE INFORMATION

SITE NAME: Former Mobil Site – City of Indio				
SITE ADDRESS: 82921 Indio Blvd., Indio, CA 92201				
RB LUST CASE NO: 7T2 201 090			LOCAL AGENCY NO: 200420546	
USTCF CLAIM NO: 20063				
UNAUTHORIZED RELEASE FORM DATE: 4/27/2004				
RESPONSIBLE PARTIES:		ADDRESS	TELEPHONE	
City of Indio Attn: Sara Toyoda Environmental Services Division		100 Civic Center Mall Indio, CA 92201	(760) 391 - 4000	
TANK NO	SIZE (GAL)	CONTENTS	REMOVED/REPLACED/ CLOSED IN PLACE?	DATE
1	10,000	Diesel	Removed	4/27/2004
2	12,000	Gasoline	Removed	4/27/2004
3	10,000	Gasoline	Removed	4/27/2004

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

CAUSE OF RELEASE: unknown
TYPE OF RELEASE: gasoline and diesel
CHARACTERIZATION COMPLETE? YES [X] NO []
MONITORING WELLS INSTALLED? YES [X] NO [] NUMBER: 7
GW DEPTH BELOW GROUND SUR. (ft): HIGHEST: 66.60 LOWEST: 67.33
GW FLOW DIRECTION: Southeast
MOST SENSITIVE CURRENT GW USE: Agricultural/Municipal/Domestic
ARE DRINKING WATER WELLS AFFECTED: YES [] NO [X]
IS SURFACE WATER AFFECTED: YES [] NO [X]
NEAREST/AFFECTED SW NAME: NA

REPORT (S) ON FILE?	YES [X]	NO []	
LOCATION OF REPORT(S) FILED:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606597901		
TREATMENT & DISPOSAL OF AFFECTED MATERIAL			
MATERIAL	AMOUNT (Gallons)	ACTION/TREATMENT OR DISPOSAL DESTINATION	DATE
GROUNDWATER		Not required	
PSH / FPH		Not required	
SOIL VAPOR		Not required	

IV. MAXIMUM CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP

(A) SOIL

CONTAMINANT	BEGINNING (mg/kg) DATE SAMPLED: 07/22/2004	DEPTH (ft)	END (mg/kg) DATE SAMPLED: 02/25/2015	DEPTH (ft)
TPH(g) gasoline	ND	0 - 10	ND	0 - 10
TPH(d) diesel	404	5	ND	0 - 10
OTHER FUEL	Not analyzed		Not analyzed	0 - 10
BENZENE	ND	0 - 10	ND	0 - 10
TOLUENE	ND	0 - 10	ND	0 - 10
ETHYLBENZENE	ND	0 - 10	ND	0 - 10
XYLENE	ND	0 - 10	ND	0 - 10
MTBE	ND	0 - 10	ND	0 - 10
NAPHTHALENE	Not analyzed		Not analyzed	
HEAVY METALS	Not analyzed		Not analyzed	
OTHER	Not analyzed		Not analyzed	

(B) GROUNDWATER

CONTAMINANT	BEGINNING (ug/L) DATE SAMPLED: 7/14/2005	END (ug/L) DATE SAMPLED: 2/09/2017	CONTAMINANT	BEGINNING (ug/L) DATE SAMPLED: 7/14/2005	END (ug/L) DATE SAMPLED: 2/09/2017
TPHg	810	ND	MTBE	ND	ND
TPHd	<50	ND	ETBE	ND	ND
OTHER FUEL	Not analyzed	Not analyzed	TAME	ND	ND
BENZENE	ND	220	DIPE	ND	ND
TOLUENE	ND	100	TBA	ND	ND
ETHYLBENZENE	52	ND	HEAVY METALS	Not analyzed	Not analyzed
XYLENE	116	ND	OTHER:	Not A	Not analyzed

COMMENTS (GW remediation method(s), duration, etc.):
Active remediation has not been conducted at the Site.

V. FREE PRODUCT

WAS FREE PRODUCT ENCOUNTERED? YES[] NO[x]

HAS FREE PRODUCT BEEN ADEQUATELY RECOVERED? NA

VI. CLOSURE

DOES COMPLETED CORRECTIVE ACTION PROTECT EXISTING BENEFICIAL USES PER THE REGIONAL BOARD BASIN PLAN? YES[X] NO[]

DOES COMPLETED CORRECTIVE ACTION PROTECT POTENTIAL BENEFICIAL USES PER THE REGIONAL BOARD BASIN PLAN? YES[X] NO[]

DOES THE CORRECTIVE ACTION PROTECT PUBLIC HEALTH FOR CURRENT LAND USE? YES[X] NO[]
IF NO:

WAS QUANTITATIVE OR QUALITATIVE RISK EVALUATION PERFORMED? YES[] NO[] (briefly describe below)

IF LAND USE CHANGES SHOULD RISK BE RE-EVALUATED? YES[] NO[] (briefly describe below)

SITE MANAGEMENT REQUIREMENTS? YES[] NO[X]

SHOULD CORRECTIVE ACTION BE REVIEWED IF LAND USE CHANGES? YES[] NO[X]

MONITORING WELLS DECOMMISSIONED: YES [] NO[]

NUMBER DECOMMISSIONED: NUMBER WILL BE DECOMMISSIONED: 7
NUMBER RETAINED:

LIST ENFORCEMENT ACTIONS TAKEN:
N/A

LIST ENFORCEMENT ACTIONS RESCINDED:
N/A

VII. REMEDIATION SUMMARY AND CLOSURE RATIONALE

Remediation Summary:

Closure Rationale: This site is a former commercial petroleum fueling facility, currently in use as a government building. An unauthorized release was reported in April 2004 following the removal of three USTs (two gasoline and one diesel). Analytical results for samples collected after UST removal indicate petroleum hydrocarbon impacts in subsurface soil in the area of the dispensers and former USTs. No over-excavation or active remediation was conducted at the site. Elevated levels of petroleum hydrocarbons (i.e., greater than 100 mg/kg) in soil occur in the eastern half of the site from 30 to 40 feet below ground surface. Seven groundwater monitoring wells were installed and monitored since 2005. Groundwater data indicate water quality objectives have been achieved for all constituents. Petroleum impacted soil is approximately 30 feet above the groundwater table, and does not pose a significant risk to human health, safety or the environment.

Rationale for Closure under the Policy:

The Low-Threat Underground Storage Tank Case Closure Policy (Policy) contains general and media-specific criteria to close UST sites. Cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all required Policy criteria.

General Criteria:

The case meets all eight Policy general criteria.

1. Media-Specific Criteria: Groundwater

The Case meets Policy Criterion 1.1 - The contaminant plume that exceeds water quality objectives is <100 feet in length. There is no free product. The nearest existing water supply well or surface water body is >250 feet from the defined plume boundary.

2. Media Specific Criteria: Petroleum Vapor Intrusion to Indoor Air

The Case meets Policy Criterion 2a - Scenario 3 (1a.) - For bioattenuation zone without oxygen measurements or oxygen <4% and benzene <100 µg/L in groundwater, the bioattenuation zone: Is a continuous zone that provides a separation of at least 5 vertical feet between the dissolved phase benzene and the foundation of existing or potential buildings; and contains total TPH <100 mg/kg in soil throughout the entire depth of the bioattenuation zone.

3. Media Specific Criteria: Direct Contact and Outdoor Air Exposure

The Case meets Policy Criterion 3(a) - Maximum concentrations of petroleum constituents in soil are less than or equal to those listed in the Table 1 of the Policy for the specified depth below ground surface.

List of Acronyms:

TPH – total petroleum hydrocarbons
TPHg – total petroleum hydrocarbons as gasoline
TPHd – total petroleum hydrocarbons as diesel
MTBE – methyl *tert*-butyl ether
ETBE – ethyl *tert*-butyl ether
TAME – *tert*-amyl methyl ether
DIPE – diisopropyl ether
TBA – *tert*-butyl alcohol
GW – groundwater
bgs – below ground surface

UST – underground storage tank
ND – non-detectable
NA – not applicable
NS – not sampled
mg/kg – milligrams per kilogram
ug/L – micrograms per liter
ppm – parts per million
ppb- parts per billion
1,2-DCA – 1,2-Dichloroethane