
Central Coast Regional Water Quality Control Board

February 4, 2014

Ms. Janet Wager
Atlantic Richfield Company (a BP affiliated company)
janet.wager@bp.com

Dear Ms. Wager:


UST: BP NO. 11240, 2178 41ST AVENUE, CAPITOLA, SANTA CRUZ COUNTY, SANTA CRUZ COUNTY– CASE CLOSURE TRANSMITTAL (CASE NO. 2457)

Central Coast Regional Water Quality Control Board (Central Coast Water Board) staff reviewed the Arcadis U.S. Inc. December 30, 2013 *Well Destruction Report* for the subject site. Thank you for the submittal. You have met the requirements for case closure. This concludes the Central Coast Water Board's regulatory oversight for the investigation and cleanup of the underground storage tank (UST) system release. This letter does not relieve you of the requirements of other agencies which may continue to have jurisdiction or require further work. As with any real property, the discovery of additional or previously unidentified contamination at the site may require additional investigation and cleanup. This case is now closed as certified by the enclosed Case Closure letter and Case Closure Summary.

Residual soil contamination still exists on-site that could pose an unacceptable risk under certain site development activities such as site grading, excavation, or dewatering. The Central Coast Water Board, Santa Cruz County Environmental Health Services (SCCEHS), and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification must include a statement that residual soil and groundwater contamination underlie the property and nearby properties. The levels of residual contamination and any associated risks are expected to reduce with time. Additionally, SCCEHS may require a Health Risk Assessment be conducted should this site be redeveloped.

Thank you for your diligence in addressing water quality issues and your continued commitment to the protection of water quality in the Central Coast Region. If you have any questions, please contact **Tom Sayles at (805) 542-4640** or at tsayles@waterboards.ca.gov or Chris Adair at (805) 549-3761.

Sincerely,



Digitally signed by John M. Robertson
DN: cn=John M. Robertson, o=Central
Coast Regional Water Quality Control
Board, ou,
email=jrobertson@waterboards.ca.gov,
v, c=US
Date: 2014.02.03 17:05:35 -08'00'

for
Kenneth A Harris Jr.
Executive Officer

Enclosures: Closure Letter
Case Closure Summary

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cc:

Mr. Scott Carson
Santa Cruz County Environmental
Health Services
Scott.Carson@co.santa-cruz.ca.us

Mr. Ed Hadad
700 South Bernardo Avenue, St. 103
Sunnyvale, California 94087

Mr. Ken Hart
County of Santa Cruz Planning
Department
ken.hart@co.santa-cruz.ca.us

Mr. Ali & Parisa Bozorghadad
1198 West El Camino Real
Sunnyvale, California 94087

Mr. Mark Wheeler
City of Capitola, Building Department
mwheeler@ci.capitola.ca.us

Mr. Thomas A. Sayles
Central Coast Water Board
tsayles@waterboards.ca.gov

Ms. Sherrie Lang
ARCADIS U.S., Inc.
Sherrie.lang@arcadis-us.com

Ms. Kendall Stahl
Central Coast Water Board
kStahl@waterboards.ca.gov

Central Coast Regional Water Quality Control Board

February 4, 2014

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Dear Ms. Wager:

UST: BP NO. 11240, 2178 41ST AVENUE, CAPITOLA, SANTA CRUZ COUNTY – CASE CLOSURE (CASE NO. 2457)

This letter confirms the completion of site investigation and corrective action for the underground storage tanks formerly located at the above-referenced location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on the information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to Health and Safety Code, Section 25296.10, subdivision (g). If you have any questions, please contact **Tom Sayles at (805) 542-4640** or at tsayles@waterboards.ca.gov or Chris Adair at (805) 549-3761.

Sincerely,



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DN: cn=John M. Robertson, o=Central Coast
Regional Water Quality Control Board, ou,
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Date: 2014.02.03 17:06:03 -08'00'

for
Kenneth A Harris Jr.
Executive Officer

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CENTRAL COAST WATER BOARD
CASE CLOSURE SUMMARY
 Leaking Underground Fuel Storage Tank Program

I. Agency Information

Agency Name: Regional Water Quality Control Board - Central Coast Region	Address: 895 Aerovista Place, Suite 101
City/State/Zip: San Luis Obispo, CA 93401-7906	Phone: (805) 542-4640
Responsible Staff person: Mr. Tom Sayles	Title: Engineering Geologist

II. Case Information

Site Facility Name: Former BP Station 11240	USTCF Claim No. 16501	Water Board Case No. 2457
Site Facility Address: 2178 41 st Avenue, Capitola	Assessor Parcel No: 034-221-02	
Responsible Parties	Address	Phone Number
Atlantic Richfield Company	501 Westlake Park Blvd, Houston, Texas 77079	281-366-0716
Property Owner		
Ed Hadad	700 South Bernardo Avenue, Suite 103, Sunnyvale, California 94087	
Ali & Parisa Bozorhadad	1198 West El Camino Real, Sunnyvale, California 94087	

III. Tank Information

Tank #	Size in Gallons	Contents	Closed in Place/Removed	Date
1	12,000	Gasoline	Existing/In Use	Installed 1987
2	10,000	Gasoline	Existing/In Use	Installed 1987
3	10,000	Gasoline	Existing/In Use	Installed 1987
4	1,000	Waste Oil	Removed	1995
5	10,000	Unleaded Gasoline	Removed	1987
6	8,000	Regular Gasoline	Removed	1987
7	6,000	Supreme Unleaded Gasoline	Removed	1987
8	280	Waste Oil	Removed	1987

IV. Release and Site Characterization Information

Cause and type of release: UST Release	Was source removed to extent practical: Yes	
Site characterization complete? Yes	Local Oversight Agency concurrence? Yes	
Wells installed? Yes, (14 monitoring wells and 5 remedial wells)	Number: 19	Proper screen interval? Yes
Highest GW depth below ground surface: 43 feet bgs.	Lowest: 74 feet bgs	Flow Direction: Southwest
Most Sensitive Current GW use: Water Supply		
Are Water Wells affected? No	Hydrologic Unit: Soquel Valley Groundwater Basin	
Is the Site on Municipal Water? Yes; Santa Cruz Municipal Utilities Public Water System		

CASE CLOSURE SUMMARY

Leaking Underground Storage Tank Program

Distance to nearest Water Well(s): No wells were observed within 1,000 feet of the site.	Well Type/Status: NA
Distance to nearest Surface Water(s): 2,000 feet	Has Surface Water(s) been affected? No
Off-site Beneficial use impacts (addresses/locations): NA	
Is site an active fueling facility: (If No, has Vapor Intrusion been evaluated?) Yes	
Conceptual Site Model complete? Yes	Date of CSM: 2/1/2013

V. Treatment/Disposal Methods (Attach any additional information)

Material	Amount (Include Units)	Action (Treatment or Disposal Method)	Date
Tanks	5 tanks	Disposed at disposal facility	1987, 1995
Piping	100 feet	Disposed at disposal facility	1995
Free Product	330 gallons	Disposed at disposal facility	2001 to 2004
Soil	860 cubic yards	Disposed at disposal facility	1987, 1995
Ground Water	300,000 gallons	Extracted and disposed at disposal facility	2001 to 2004

Maximum Documented Contaminant Concentrations--Before and After Cleanup

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	9,000	<0.10	240,000	4,300	1,2-DCA	<0.005	<0.005	0.55	<0.50
TPH (Diesel)	7,000	<5	NA	NA	Oil & Grease	530	NA	NA	NA
Benzene	59	<0.005	22,000	350	Lead	7	<0.005	NA	NA
Toluene	490	<0.005	41,000	17	MTBE	0.23	<0.005	77,000	5
Ethylbenzene	160	<0.005	6,500	230	TBA	<0.02	<0.02	420	<10
Xylenes	890	<0.005	39,000	260	Other				
Naphthalene	1.8	<0.033	NA	NA					

Comments:

Naphthalene "After" soil data from 3/24/1999, other "After" soil data from 2006

"Before" soil data from 1987-2005 "After" groundwater data from 3/11/2013

"Before" Groundwater data from 1997-2005

VI. Closure

Amount of contaminant(s) mass removed: 860 cubic yards of soil, 330 gallons separate phase hydrocarbons, 300,000 gallons water, 3,686.1 pounds of TPH (Gas), 11 pounds of benzene
Contaminant and media type: TPH(Gas), BTEX, MTBE, TBA from soil and groundwater
Location/depth of residual contaminant mass left-in-place: Soil: between 10 and 60 feet bgs, Water: between 58 and 64 feet bgs

CASE CLOSURE SUMMARY
Leaking Underground Storage Tank Program

Is the plume stable and/or shrinking? Yes		Does remaining plume extend off-site? Yes	
Approximate length of hydrocarbon plume (ft.): 120			
Does completed corrective action protect existing and potential beneficial uses per the Basin Plan? Yes			
Does corrective action protect public health for current land use? Yes			
Should corrective action be reviewed if land uses change? Yes (if Yes – see Additional Comments section below)			
Wells destroyed? Yes		Number destroyed: 19	Number retained: None


VII. Local Agency Representative Data

Agency: Santa Cruz County Environmental Health Services	Address: 701 Ocean Street, Room 312
City/State/Zip Santa Cruz, CA 95060	Phone/Email: scott.carson@co.santa-cruz.ca.us
Responsible Staff Person: Mr. Scott Carson	Title: Professional Geologist

VIII. Additional Comments

Site Management Requirements: Residual soil and groundwater contamination may still exist on-site that could pose an unacceptable risk under certain site development activities such as site grading, excavation, or de-watering. The Regional Water Quality Control Board – Central Coast Region, Santa Cruz County Environmental Health Services, and the appropriate local planning and building departments must be notified prior to any changes in land use, grading activities, excavation, or dewatering. This notification must include a statement that residual soil and groundwater contamination underlie the property and nearby properties.

IX. Central Coast Water Board Certification

	Digitally signed by John M. Robertson DN: cn=John M. Robertson, o=Central Coast Regional Water Quality Control Board, ou, email=jrobertson@waterboards.ca.gov, c=US Date: 2014.02.03 17:06:56 -08'00'	Date: February 4, 2014
For Kenneth A. Harris, Jr. - Executive Officer		