

Ms. Karel Detterman, P.G.  
Alameda County Environmental Health  
Regional Water Quality Control Board  
1131 Harbor Bay Parkway  
Alameda, CA 94602

Arcadis U.S., Inc.  
101 Creekside Ridge Court  
Suite 200  
Roseville  
California 95678  
Tel 916 786 0320  
[www.arcadis.com](http://www.arcadis.com)

Subject:

**Well Destruction Summary Report**

Former ARCO #402 – Global ID TO6019734265  
1450 Fruitvale Avenue  
Oakland, Alameda County  
ACEH Case # RO0000307

ENVIRONMENT

Date:  
October 4, 2018

Contact:  
Brittani Jacobsen

Phone:  
916 865 3145

Email:  
[Brittani.Jacobsen@arcadis.com](mailto:Brittani.Jacobsen@arcadis.com)

Our ref:  
GP16BPNA.CA02

Dear Ms. Detterman:

On behalf of BP West Coast Products, LLC (BP), Arcadis U.S., Inc. (Arcadis) has prepared this Well Destruction Summary Report (report) for the Leaking Underground Storage Tank (LUST) Cleanup Site Global ID TO6019734265 associated with Former Atlantic Richfield Company (ARCO) Station #402 (the Site), located at 1450 Fruitvale Avenue in Oakland, California. In a letter dated July 23, 2018, the State Water Resources Control Board (SWRCB) requested well destruction at the Site as part of the closure process following the 60-day public comment period (**Attachment 1**). Arcadis completed well destruction activities on August 30 and 31, 2018. This report summarizes the well destruction activities and satisfies the SWRCB closure order.

## SITE DESCRIPTION

The Site is located in the Oakland East United States Geological Survey Quadrangle. The Site is located on the northeast corner of Fruitvale Avenue and Farnam Street, California (**Figure 1**). The Site is currently owned by Fruitvale Farnam Associates, LLC, and consists of a multi-story commercial building with parking and landscaped areas built by March 2004; former Site features including, monitoring wells and soil vapor probes are depicted on **Figure 2**. The post-closure use of the Site is anticipated to remain a multi-story commercial building.

## FIELD ACTIVITIES

### Utility Locate

Prior to properly destroying the four monitoring wells (MW-4, MW-5, MW-6, and MW-7) and soil gas probes (SG-1A/B, SG-2A/B, SG-3A/B) herein collectively referred to as “wells,” Arcadis submitted utility locate tickets with Utility Service Alert North (USA) for the Site and offsite well locations and was provided USA tickets X823301939. Additionally, Arcadis contracted with a private utility locator, Ground Penetrating Radar Systems, Inc., (GPRS) to mark-out utilities near the wells on August 30, 2018. GPRS also attempted to identify the locations of MW-1, MW-2 and MW-3, which were believed to be destroyed when the current parking lot was repaved and was unable to identify the former monitoring wells.

### Well Destruction Activities

On August 30 through August 31, 2018, Arcadis personnel provided direct oversight for well destruction activities performed by Doulos Environmental, Inc. (Doulos), a C-57 licensed California Well Drilling Contractor, in general accordance with Alameda County Public Works permits dated August 14, 2018 (**Attachment 2**). Additionally, Doulos attempted to identify the potential presence of former monitoring wells MW-1 through MW-3 with a metal detector but were unable to identify the presence of the monitoring wells. Therefore, it is believed these wells had been destroyed during site redevelopment activities.

Prior to pressure grouting, each well was cleared of utilities by air-knife to at least 6.5-feet below ground surface and then destroyed under the direct authorization of Alameda County Public Works Agency.

All monitoring wells were pressurized with neat cement to a minimum of 25 pounds per square inch for at least 5 minutes then mushroom capped by overdrilling the upper five feet and filling with neat cement (i.e. a mixture of cement and potable water). All soil gas wells were overdrilled completely and filled with neat cement. A summary of well destruction activities is presented in **Table 1**. Generally, all wells were filled with neat cement to near ground surface and the surface was restored to match existing conditions. The California Department of Water Resources (DWR) Well Completion Reports (DWR-188 Forms) were submitted to DWR by Doulos.

### Waste Disposal

During well destruction activities, soil and concrete was generated and placed in Department of Transportation (DOT) approved 55-gallon drums. Two drums of waste were removed from the Site on October 2, 2018, by Belshire Environmental Services, Inc., with disposal at the Soil Safe facility located at 25971 Towne Centre Drive Foothill Ranch, California, a Waste Manifest is included in **Attachment 3**.

## CLOSING

As summarized above, this report satisfies the SWRCB July 23, 2018 closure order for the Site. Should you have any questions regarding this Site or require any additional information, feel free to contact Arcadis.

Sincerely,

Arcadis U.S., Inc.



Brittani C. Jacobsen, P.G.  
Professional Geologist

Enclosures:

### Tables

- 1 Well Destruction Details

### Figures

- 1 Site Location Map
- 2 Site Plan

### Attachments

- 1 State Water Resources Control Board July 23, 2018 Closure Order
- 2 Alameda County Public Works Agency Well Destruction Permits
- 3 Waste Manifest

# TABLES



Address (Parcel Number)	Well ID	Year Installed	Well Type	Well Diameter (inches)	Borehole Diameter (inches)	Casing Type	Total Depth (feet)	Interval Screened (feet bgs)	Ground Surface Setting	Vault Type	Destruction Method
Site 1450 Fruitvale Avenue Oakland, CA 94601	MW-4	2013	MW	2	8	PVC	28	18-28	concrete	flush	pressure groud
Site 1450 Fruitvale Avenue Oakland, CA 94602	MW-5	2013	MW	2	8	PVC	28	18-28	concrete	flush	pressure groud
Site 1450 Fruitvale Avenue Oakland, CA 94603	MW-6	2013	MW	2	8	PVC	28	18-28	concrete	flush	pressure groud
Site 1450 Fruitvale Avenue Oakland, CA 94604	MW-7	2013	MW	2	8	PVC	32	22-32	concrete	flush	pressure groud
Site 1450 Fruitvale Avenue Oakland, CA 94605	SG-1A	2013	SG	n/a	4	none	3.5	3.5	concrete	flush	overdrilled and gouted
Site 1450 Fruitvale Avenue Oakland, CA 94606	SG-1B	2013	SG	n/a	4	none	5.5	5.5	concrete	flush	over drilled and gouted
Site 1450 Fruitvale Avenue Oakland, CA 94607	SG-2A	2013	SG	n/a	4	none	3.5	3.5	concrete	flush	overdrilled and gouted
Site 1450 Fruitvale Avenue Oakland, CA 94608	SG-2B	2013	SG	n/a	4	none	5.5	5.5	concrete	flush	overdrilled and gouted
Site 1450 Fruitvale Avenue Oakland, CA 94609	SG-3A	2013	SG	n/a	4	none	3.5	3.5	concrete	flush	overdrilled and gouted
Site 1450 Fruitvale Avenue Oakland, CA 94610	SG-3B	2013	SG	n/a	4	none	5.5	5.5	concrete	flush	overdrilled and gouted

**Notes:**

bgs = below ground surface

PVC = polyvinyl chloride

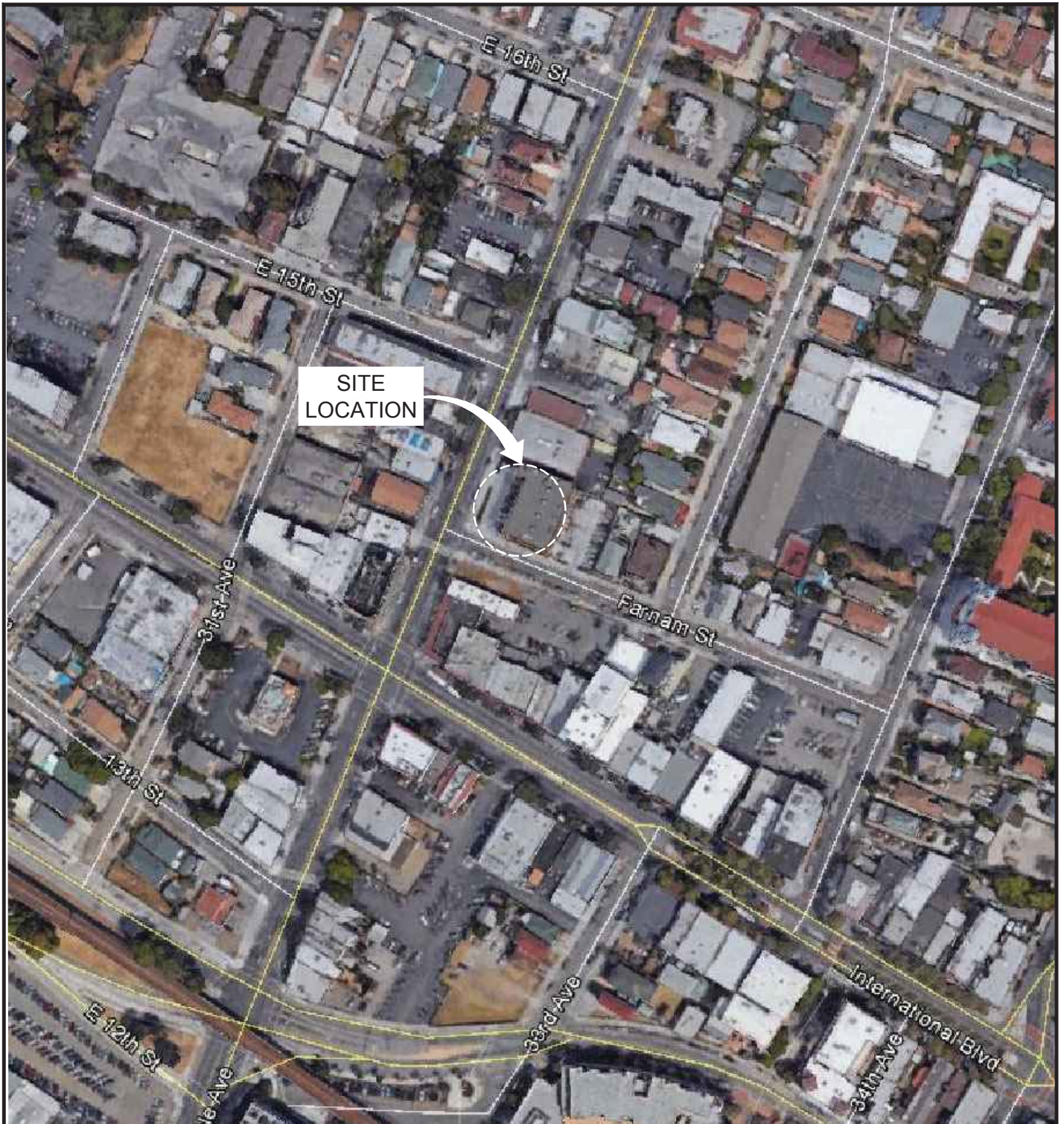
SG = soil gas

MW = monitoring well

n/a = probes installed using tubing and screened implants at approximate depths indicated

# FIGURES





MAP SOURCE: Google Earth™ 2016, 37°46'41.57"N 122°13'30.57"W



FORMER ARCO STATION NO. 402  
1450 FRUITVALE AVENUE  
OAKLAND, CALIFORNIA

**SITE LOCATION MAP**

 **ARCADIS** Design & Consultancy  
for natural and  
built assets

FIGURE  
**1**

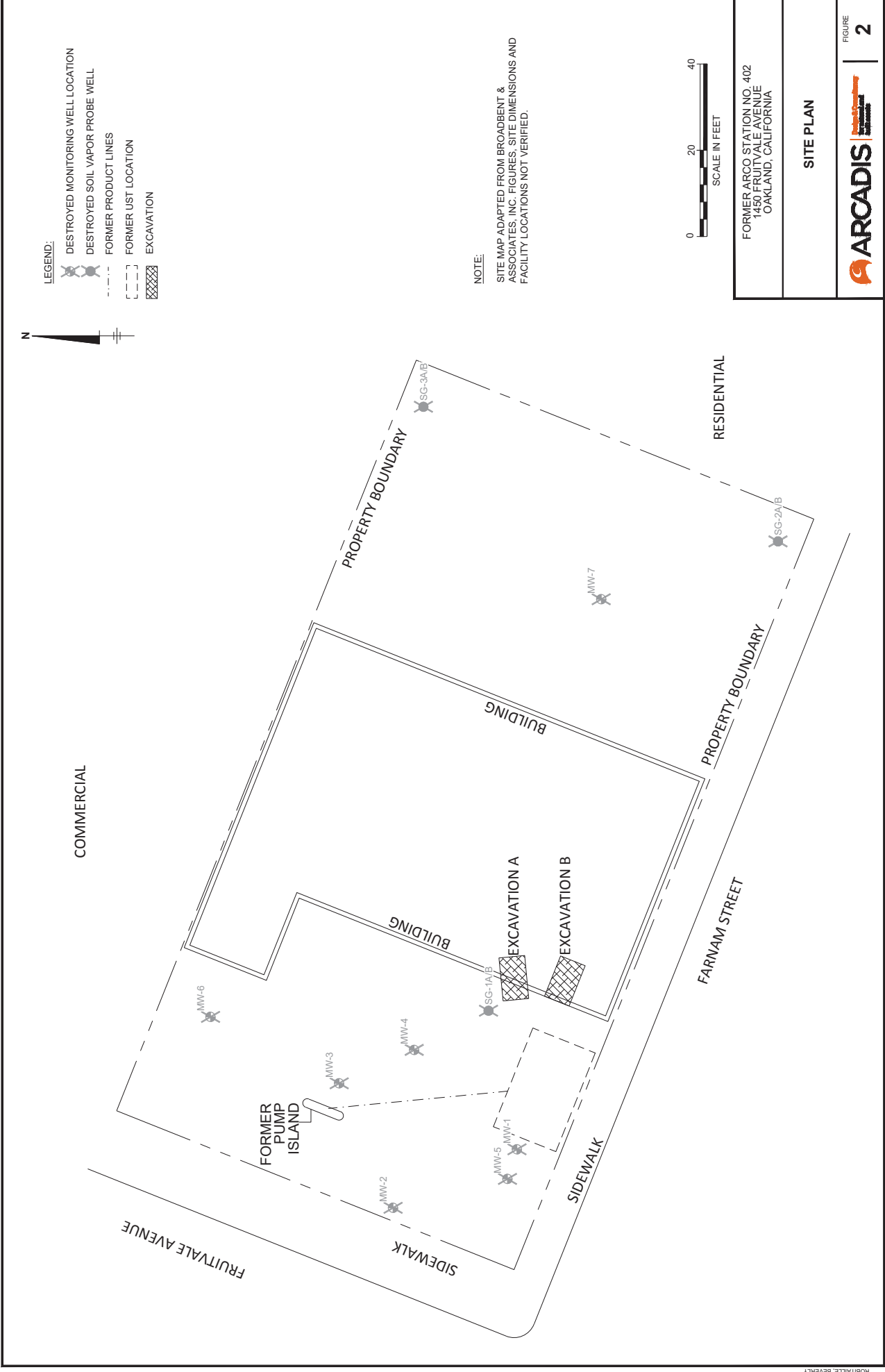


- LEGEND:
- DESTROYED MONITORING WELL LOCATION
  - DESTROYED SOIL VAPOR PROBE WELL
  - FORMER PRODUCT LINES
  - FORMER JUST LOCATION
  - EXCAVATION

NOTE:  
 SITE MAP ADAPTED FROM BROADBENT &  
 ASSOCIATES, INC. FIGURES, SITE DIMENSIONS AND  
 FACILITY LOCATIONS NOT VERIFIED.



FORMER ARCO STATION NO. 402 1450 FRUITVALE AVENUE OAKLAND, CALIFORNIA
<b>SITE PLAN</b>
<b>ARCADIS</b> <b>FIGURE 2</b>



CITY/MUNICIPAL DIVISION/ENGINEER/DAVID M. KAY, P.E., P.G. - P.L. 11.14.15. C:\Users\michael.chevalier - ARCADIS\BIM 360 Desktop\BP Folder\402 - 8P4022018\GP 188PNA.L0201 - DWG\GP 188PNA.CAD2 S&W.dwg LAYOUT 2 - SAVED: 9/12/2018 1:47 PM ACADVP 21.05 (LMS TECH) PAGESETUP - PLOTSTYLETABLE: PTFULL.CTB PLOTTED: 9/12/2018 1:47 PM BY: ROBTAILLE, EVERETT



# ATTACHMENT 1

State Water Resources Control Board July 23, 2018 Closure Order



STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**ORDER WQ 2018-0018-UST**

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**In the Matter of Underground Storage Tank (UST) Case Closure  
Pursuant to Health and Safety Code Section 25296.10 and the  
Low-Threat Underground Storage Tank Case Closure Policy**

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**BY THE CHIEF DEPUTY DIRECTOR:<sup>1</sup>**

By this order, the Chief Deputy Director directs closure of the UST case at the site listed below, pursuant to section 25296.10 of the Health and Safety Code.<sup>2</sup> The name of the responsible party, the site name, the site address, the Underground Storage Tank Cleanup Fund (Fund) claim number if applicable, current and former lead agencies, and case numbers are as follows:

**BP Remediation Management (Responsible Party)**

**ARCO #0402 / PARKING LOT**

**1450 Fruitvale Avenue, Oakland, Alameda County**

**Alameda County Department of Environmental Health, Case No. RO0000307**

**I. STATUTORY AND PROCEDURAL BACKGROUND**

Upon review of a UST case, the State Water Resources Control Board (State Water Board) is authorized to close or require closure of a UST case where an unauthorized release has occurred, if the State Water Board determines that corrective action at the site is in compliance with all of the requirements of subdivisions (a) and (b) of section 25296.10. The State Water Board, or in certain cases the State Water Board Executive Director or Chief Deputy Director, may close a case or require the closure of a UST case. Closure of a UST case

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<sup>1</sup> State Water Board Resolution No. 2012-0061 delegates to the Executive Director the authority to close or require the closure of any UST case if the case meets the criteria found in the State Water Board's Low-Threat Underground Storage Tank Case Closure Policy adopted by State Water Board Resolution No. 2012-0016. Pursuant to Resolution No. 2012-0061, the Executive Director has delegated this authority to the Chief Deputy Director.

<sup>2</sup> Unless otherwise noted, all references are to the California Health and Safety Code.

is appropriate where the corrective action ensures the protection of human health, safety, and the environment and where the corrective action is consistent with: 1) chapter 6.7 of division 20 of the Health and Safety Code and implementing regulations; 2) any applicable waste discharge requirements or other orders issued pursuant to division 7 of the Water Code; 3) all applicable state policies for water quality control; and 4) all applicable water quality control plans.

State Water Board staff has completed a review of the UST case identified above, and recommends that this case be closed. The recommendation is based upon the facts and circumstances of this particular UST case. The UST case record that is the basis for determining compliance with the Water Quality Control Policy for Low-Threat Underground Storage Tank Case Closures (Low-Threat Closure Policy or Policy) is available on the State Water Board's GeoTracker database.

**URL:** [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T06019734265](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019734265)

### **Low-Threat Closure Policy**

The Policy became effective on August 17, 2012. The Policy establishes consistent statewide case closure criteria for certain low threat petroleum UST sites. In the absence of unique attributes or site-specific conditions that demonstrably increase the risk associated with residual petroleum constituents, cases that meet the general and media-specific criteria in the Low-Threat Closure Policy pose a low threat to human health, safety, the environment, and are appropriate for closure under Health and Safety Code section 25296.10. The Policy provides that if a regulatory agency determines that a case meets the general and media-specific criteria of the Policy, then the regulatory agency shall notify responsible parties and other specified interested persons that the case is eligible for case closure. Unless the regulatory agency revises its determination based on comments received on the proposed case closure, the Policy provides that the agency shall issue a uniform closure letter as specified in Health and Safety Code section 25296.10. The uniform closure letter may only be issued after the expiration of the 60-day comment period, proper destruction or maintenance of monitoring wells or borings, and removal of waste associated with investigation and remediation of the site.

Health and Safety Code section 25299.57, subdivision (l)(1) provides that claims for reimbursement of corrective action costs that are received by the Fund more than 365 days after the date of a uniform closure letter or a letter of commitment, whichever occurs later, shall not be reimbursed unless specified conditions are satisfied.

## II. FINDINGS

Based upon the facts in the UST record and the hydrogeologic conditions at the site, the State Water Board finds that corrective action taken to address the unauthorized release of petroleum at the UST release site identified as:

**BP Remediation Management (Responsible Party)**

**ARCO #0402 / PARKING LOT**

**1450 Fruitvale Avenue, Oakland, Alameda County**

**Alameda County Department of Environmental Health, Case No. RO0000307**

ensures protection of human health, safety, and the environment and is consistent with chapter 6.7 of division 20 of the Health and Safety Code and implementing regulations, the Low-Threat Closure Policy and with other applicable water quality control policies and plans.

The unauthorized release from the UST consisted only of petroleum. This order directs closure for the petroleum UST case at the site. This order does not address non-petroleum contamination at the site, if non-petroleum contamination is present.

Pursuant to the Low-Threat Closure Policy, notification has been provided to all entities that are required to receive notice of the proposed case closure, a 60-day comment period has been provided to notified parties, and any comments received have been considered by the State Water Board in determining that the case should be closed.

Pursuant to section 21080.5 of the Public Resources Code, environmental impacts associated with the adoption of this order were analyzed in the substitute environmental document (SED) the State Water Board approved on May 1, 2012. The SED concludes that all environmental effects of adopting and implementing the Low-Threat Closure Policy are less than significant, and environmental impacts as a result of adopting this order in compliance with the Policy are no different from the impacts that are reasonably foreseen as a result of the Policy itself. A Notice of Decision was filed August 17, 2012. No new environmental impacts or any additional reasonably foreseeable impacts beyond those that were addressed in the SED will result from adopting this order.


The UST case identified above may be the subject of orders issued by the Regional Water Quality Control Board (Regional Water Board) pursuant to division 7 of the Water Code. Any orders that have been issued by the Regional Water Board pursuant to division 7 of the Water Code, or directives issued by a Local Oversight Program (LOP) agency for this case should be rescinded to the extent they are inconsistent with this order.

### III. ORDER

**IT IS THEREFORE ORDERED** that:

- A. The UST case identified in Section II of this order, meeting the general and media-specific criteria established in the Low-Threat Closure Policy, be closed in accordance with the following conditions and after the following actions are complete. Prior to the issuance of a uniform closure letter, the responsible party is ordered to:
1. Properly destroy monitoring wells and borings unless the owner of real property on which the well or boring is located certifies that the wells or borings will be maintained in accordance with local or state requirements;
  2. Properly remove from the site and manage all waste piles, drums, debris, and other investigation and remediation derived materials in accordance with local or state requirements; and
  3. Within six months of the date of this order, submit documentation to the regulatory agency overseeing the UST case identified in Section II of this order that the tasks in subparagraphs (1) and (2) have been completed.
- B. The tasks in subparagraphs (1) and (2) of Paragraph (A) are ordered pursuant to Health and Safety Code section 25296.10, and failure to comply with these requirements may result in the imposition of civil penalties pursuant to Health and Safety Code section 25299, subdivision (d)(1). Penalties may be imposed administratively by the State Water Board or Regional Water Board.
- C. Within 30 days of receipt of proper documentation from the responsible party that requirements in subparagraphs (1) and (2) of Paragraph (A) are complete, the regulatory agency that is responsible for oversight of the UST case identified in Section II of this order shall notify the State Water Board that the tasks have been satisfactorily completed.
- D. Within 30 days of notification from the regulatory agency that the tasks are complete pursuant to Paragraph (C), the Deputy Director of the Division of Water Quality shall issue a uniform closure letter consistent with Health and Safety Code section 25296.10, subdivision (g) and upload the uniform closure letter to GeoTracker.

- E. Pursuant to section 25299.57, subdivision (l)(1), and except in specified circumstances, all claims for reimbursement of corrective action costs must be received by the Fund within 365 days of issuance of the uniform closure letter in order for the costs to be considered.
  
- F. Any Regional Water Board or LOP agency directive or order that directs corrective action or other action inconsistent with case closure for the UST case identified in Section II is rescinded, but only to the extent the Regional Water Board order or LOP agency directive is inconsistent with this order.

  
\_\_\_\_\_  
Chief Deputy Director

7/23/18  
\_\_\_\_\_  
Date

## State Water Resources Control Board

### UNDERGROUND STORAGE TANK (UST) CASE CLOSURE SUMMARY

#### Agency Information

Agency Name: Alameda County Environmental Health (Alameda County)	Address: 1131 Harbor Bay Parkway, 2nd Floor Alameda, CA 94502-6577
Agency Caseworker: Ms. Karel Detterman	Case No.: RO0000307

#### Case Information

UST Cleanup Fund (Fund) Claim No.: N/A	Global ID: T06019734265
Site Name: ARCO #0402 / PARKING LOT	Site Address: 1450 Fruitvale Avenue Oakland, CA 94601 (Site)
Responsible Party: BP Remediation Management Attention: Mr. Charles Carmel	Address: 4 Centerpointe Drive, Suite 200 Room LPR 4-222 La Palma, CA 90623
Fund Expenditures to Date: \$0	Number of Years Case Open: 19

**URL:** [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T06019734265](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019734265)

#### Summary

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

The Site is currently occupied by a multi-story commercial retail/office building. The Site was operated as a gas station from 1950 until at least 1983. There is no record of UST removal. During 1998, the release was discovered during a Phase II environmental assessment. In conjunction with a geophysical survey, three excavations were created in 1999 in the suspected locations of the former USTs. Aggregate base rock, commonly used as backfill material to replace the volume of removed USTs, was identified in one of these excavations. Contaminant concentrations in soil were below screening levels [e.g. <100 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPH-g)], so the excavations were backfilled with the stockpiled soil.

Benzene in groundwater is present at less than 1,000 micrograms per liter. Groundwater is present greater than 10 feet below ground surface (bgs) at the Site. Soil data indicates less than 100 mg/kg TPH-g in the first 10 feet bgs, indicating sufficient clean soil to support bioattenuation between the groundwater table and the foundation of the on-site building. Therefore, site conditions meet the Policy criteria for vapor intrusion.

An irrigation supply well is located approximately 700 feet east from the plume boundary and a surface water body (Sausal Creek) is located approximately 800 feet northwest from the plume boundary. The plume has been stable or decreasing in areal extent since at least 1999, and the secondary source appears to be depleted. In the source area, groundwater concentrations are approaching water quality objectives, and there is no evidence of plume detachment. Therefore, contaminants remaining in groundwater appear low-risk to the irrigation well and surface water body. Remaining petroleum constituents are limited, stable, and decreasing. Additional assessment would be unnecessary and will not likely change the conceptual model. Any remaining petroleum constituents do not pose significant risk to human health, safety, or the environment under current conditions.

### Rationale for Closure Under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site meets the criteria in **Class 5**. The regulatory agency determines, based on an analysis of Site-specific conditions that under current and reasonably anticipated near-term future scenarios, the contaminant plume poses a low threat to human health, safety, and to the environment and water quality objectives will be achieved within a reasonable time frame.
- Petroleum Vapor Intrusion to Indoor Air – Site meets **Criteria 2 (a), Scenario 4**. The concentrations of benzene, ethylbenzene, and naphthalene in soil gas are less than the Policy limits as it applies to the bioattenuation zone, land use, and existing or planned future building structures at the Site.
- Direct Contact and Outdoor Air Exposure – Site meets **Criteria 3 (a)**. Maximum concentrations of petroleum constituents in soil from confirmation soil samples are less than or equal to those listed in Table 1 of the Policy.

### Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, the environment. The corrective action performed at this Site is consistent with chapter 6.7 of the Health and Safety Code, implementing regulations, applicable state policies for water quality control and applicable water quality control plans. Case closure is recommended.

Prepared By: Jennifer L Marion  
Jennifer Marion  
Water Resource Control Engineer

01/25/18  
Date

Reviewed By: Matthew Cohen  
Matthew Cohen, PG No. 9077  
Senior Engineering Geologist

03/05/18  
Date



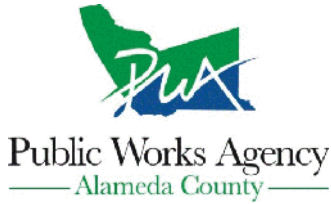


# ATTACHMENT 2

Alameda County Public Works Agency Well Destruction Permits



# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

**Application Approved on: 08/14/2018 By jamesy**

**Permit Numbers: W2018-0765 to W2018-0769  
Permits Valid from 08/29/2018 to 08/31/2018**

**Application Id:** 1533559520314  
**Site Location:** 1450 Fruitvale Ave, Oakland, CA 94601, USA  
**Project Start Date:** 08/29/2018  
**Assigned Inspector:** Contact Eneyew Amberber at (510) 670-5759 or eneyew@acpwa.org

**City of Project Site:** Oakland

**Completion Date:** 08/31/2018

**Applicant:** Arcadis - James Jacobsen  
101 Creekside Ridge Ct, Suite 200, Roseville, CA 95678  
**Property Owner:** FruitvaleFarnam Associates LLC  
141 Woodland Way, Piedmont, CA 94611  
**Client:** BP Products West Coast LLC  
4 Centerpointe Dr, Suite 200, La Palma, CA 96023  
**Contact:** Meg Armstrong

**Phone:** 847-373-2895  
**Phone:** --  
**Phone:** --  
**Phone:** 202-213-1107  
**Cell:** 202-213-1107

**Total Due:** \$1853.00  
**Receipt Number: WR2018-0474** **Total Amount Paid:** \$1853.00  
**Payer Name : Arcadis US Inc** **Paid By: CHECK** **PAID IN FULL**

**Works Requesting Permits:**

Well Destruction-Vapor monitoring well - 3 Wells  
 Driller: Doulos Environmental Inc. - Lic #: 730042 - Method: press

**Work Total: \$265.00**

**Specifications**

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2018-0765	08/14/2018	11/27/2018	SG-1A/B	4.00 in.	4.00 in.	1.00 ft	5.50 ft			
W2018-0765	08/14/2018	11/27/2018	SG-2A/B	4.00 in.	4.00 in.	1.00 ft	5.50 ft			
W2018-0765	08/14/2018	11/27/2018	SG-3A/B	4.00 in.	4.00 in.	1.00 ft	5.50 ft			

**Specific Work Permit Conditions**

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
2. Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate state reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 30 days, including permit number and site map.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled,

## Alameda County Public Works Agency - Water Resources Well Permit

properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

5. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned.

6. No changes in construction procedures or well type shall change, as described on this permit application. This permit may be voided if it contains incorrect information.

7. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

8. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

9. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

11. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

12. Vapor monitoring wells constructed with tubing shall be decommissioned by complete removal of tubing, grout seal, and fill material of sand or bentonite. Fill material may be removed by hand auger if material can be removed completely or by overdrilling the borehole to total depth.

Vapor monitoring wells constructed with pvc pipe less than 2" shall be overdrilled to total depth.

Vapor monitoring wells constructed with 2" pvc pipe or larger may be grouted by tremie pipe (any depth) or pressure grouted (less than 30', 25 psi for 5 min).

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Well Destruction-Monitoring - 4 Wells

Driller: Doulos Environmental Inc. - Lic #: 730042 - Method: press

**Work Total: \$1588.00**

**Specifications**

## Alameda County Public Works Agency - Water Resources Well Permit

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2018-0766	08/14/2018	11/27/2018	MW-4	8.00 in.	8.00 in.	2.00 ft	28.00 ft			
W2018-0767	08/14/2018	11/27/2018	MW-5	8.00 in.	8.00 in.	2.00 ft	28.00 ft			
W2018-0768	08/14/2018	11/27/2018	MW-6	8.00 in.	8.00 in.	2.00 ft	28.00 ft			
W2018-0769	08/14/2018	11/27/2018	MW-7	8.00 in.	8.00 in.	2.00 ft	32.00 ft			

### Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 30 days. Include permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

6. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

## **Alameda County Public Works Agency - Water Resources Well Permit**

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

10. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

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# ATTACHMENT 3

Waste Manifest



# Manifest

## SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: <i>10 12 18</i>	Responsible for Payment:	Transport Truck #: <i>133875</i>	Facility #: <i>A07</i>	Approval Number: <i>49389</i>	Load #: <i>10011</i>
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Generator's Name and Billing Address: BP WEST COAST PRODUCTS, LLC P.O. BOX 80249 RANCHO SANTA MARGARITA, CA 92688	Generator's Phone #: <i>949-460-5200</i>
	Person to Contact:
	FAX#:
Customer Account Number	

Consultant's Name and Billing Address:	Consultant's Phone #:
	Person to Contact:
	FAX#:
Customer Account Number	

Generation Site (Transport from): (name & address) BP 00402 1450 FRUITVALE AVENUE OAKLAND, CA 94601	Site Phone #:
	Person to Contact:
	FAX#:

Designated Facility (Transport to): (name & address) SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: <i>(800) 862-8001</i>
	Person to Contact: <i>JOE PROVANSAL</i>
	FAX#: <i>(760) 246-8004</i>

Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610  BESI: 297511	Transporter's Phone #: <i>949-460-5200</i>	<i>CAR000183913</i>
	Person to Contact: <i>LARRY MOOTHART</i>	<i>450647</i>
	FAX#: <i>949-460-5210</i>	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	<i>2 DM</i>	<i>Soil</i>	<i>35320</i>	<i>37150</i>	<i>1200</i>
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					<i>.61</i>

List any exception to items listed above: \_\_\_\_\_ Scale Ticket # *146711*

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator <input type="checkbox"/> Consultant <input type="checkbox"/> <i>On behalf of BP West Coast Products, LLC</i>	Signature and date: <i>[Signature]</i>	Month: <i>10</i> Day: <i>21</i> Year: <i>18</i>
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Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: <i>Edward M...</i>	Signature and date: <i>[Signature]</i>	Month: <i>10</i> Day: <i>2</i> Year: <i>18</i>
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Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: <i>J. PROVANSAL</i>	Signature and date: <i>[Signature]</i>	<i>10-2-18</i>
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Please print or type.

00402/1900104

TRANSPORTER COPY