

RECEIVED

By Alameda County Environmental Health at 3:43 pm, Oct 11, 2013

Mr. Keith Nowell
Alameda County Environmental Health
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502-6577

Re: Former Exxon Station

5175 Broadway
Oakland, California
ACEH File No. 139
SFRWQCB Site No. 01-0958
UST Fund Claim No. 3406

Dear Mr. Nowell:

Merrill Gardens at Rockridge, LLC, has retained Pangea Environmental Services, Inc. (Pangea) as the environmental consultant for the project referenced above. Pangea is submitting the attached report on our behalf.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct to the best of my knowledge.

Sincerely,



Ryan Leong
Merrill Gardens at Rockridge, LLC



October 8, 2013

VIA ALAMEDA COUNTY FTP SITE

Mr. Keith Nowell
Alameda County Environmental Health
1331 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Well Destruction and Remediation Equipment Removal Report

Mehdizadeh Property
5175 Broadway
Oakland, California
ACEH Fuel Leak Case No. RO#0000139

Dear Mr. Nowell:

On behalf of Merrill Gardens at Rockridge, LLC, Pangea Environmental Services, Inc. (Pangea) has prepared this *Well Destruction and Remediation Equipment Removal Report*. This report describes well destruction activities and remediation equipment and compound removal at the subject site (Figure 1). Well destruction and remediation equipment removal was requested by State Water Resources Control Board as part of site closure in a letter dated June 20, 2013 (Appendix A).

Site Description

The subject property is located at 5175 Broadway Street, at the southwest corner of the intersection of Broadway and Coronado Avenue in Oakland, California in Alameda County (Figure 1). The site is approximately 0.6 miles south-southeast of Highway 24 and approximately 2.3 miles east of Interstate 80 and the San Francisco Bay. The property is relatively flat lying, with a slight slope to the south-southwest, and lies at an elevation of approximately 160 feet above mean sea level. Topographic relief in the area surrounding the site also slopes generally towards the south-southwest. The western site boundary is the top of an approximately 10 foot high retaining wall that separates the site from an adjacent apartment complex. The site is currently unoccupied.

Well Destruction Activities

A comprehensive Site Safety Plan was prepared to protect site workers, and the plan was kept onsite during all field activities. Well destruction permits were obtained from Alameda County Public Works Agency (ACPWA). Access to the adjacent property for destruction of offsite soil gas probes SG-4 through SG-7 was negotiated. Copies of the permits are presented in Appendix B. The proposed drilling locations were marked and Underground Service Alert was notified 48 hours before the proposed field activities.

PANGEA Environmental Services, Inc.

1710 Franklin Street, Suite 200, Oakland, CA 94612 Telephone 510.836.3700 Facsimile 510.836.3709 www.pangeaenv.com

Pangea retained PeneCore Drilling (PeneCore) of Woodland, California, to perform well destruction activities. Between September 3 and 5, 2013, Pangea observed the destruction of 19 onsite wells, 3 offsite wells, 4 onsite soil gas probes, and 3 offsite soil gas probes. This included onsite wells AS-1, MW-1, MW-2C, MW-3A/C, MW-4A, MW-5A/B/C, MW-6A, MW-7B/C, MW-8A/C, DPE-1 through DPE-6; offsite wells MW-9A/C and MW-10A; onsite soil gas probes SG-8 through SG-11; and offsite soil gas probes SG-4 through SG-6 (Figure 2). Soil gas probe SG-7 could not be located and is considered lost.

As directed by ACPWA, wells DPE-1 through DPE-6, MW-3A, MW-5A/C, MW-6A, MW-7B, MW-8A, MW-9A/C, and MW-10A were destroyed by pressure grouting. These wells were gauged for total depth, prior to pressure grouting to verify that no obstructions were present in the well casing. A casing extension was placed on the well to allow collection of displaced groundwater and Portland cement was placed into the well through a tremie pipe positioned at the bottom of the well. After the well was filled with cement, a well cap fitted with a pressure gauge and a water-tight fitting was attached to the top of the well casing. A minimum of 25 pounds per square inch (psi) of pressure was applied and maintained for five minutes. The well casings were broken approximately 1 to 2 ft below grade surface (bgs), the well boxes were removed, and the surface was restored to meet surface grade.

Wells MW-1, MW-2C, MW-3C, MW-5B, MW-7C, and MW-8C were destroyed by tremie grouting. These wells could not be pressurized due to a below grade piping teed into the well for air sparging. ACPWA's inspector Steve Miller approved destruction of the wells by tremie grouting.

Wells MW-4A, MW-6A, and AS-1, and soil gas probes SG-4 through SG-6 and SG-8 through SG-11 required over-drilling for proper destruction. The well vaults for these wells and soil gas probes were removed to facilitate drilling out of the wells/probes. Wells MW-4A, MW-6A, and AS-1 were over-drilled with 8-inch augers, and all well materials were removed. The wells were tremie grouted through the augers following drilling. The soil gas probes were over-drilled with a 2.25-inch hand auger, probe materials were removed, and grout was free-poured into the boreholes. Soil gas probe SG-5 could only be hand augered to a depth of approximately 2 ft bgs due to the adjacent building foundation; the soil gas probe tubing was removed prior to grouting. The surface was restored with a gravel and dirt mixture following completion of well destruction. All destruction derived waste was stored onsite in DOT-approved 55-gallon drums. These drums were transported for disposal by Belshire Environmental Services, Inc., a licensed waste disposal company. Copies of the waste manifests are included in Appendix C.

Remediation Equipment Removal

Pangea coordinated the removal of the dual phase extraction (DPE) and air sparging (AS) remediation equipment, system components, and remediation fencing. Mako Industries of Livermore, California removed the trailer-mounted DPE and AS equipment. Sustainable Technologies (SusTech) of Alameda, California removed the fence enclosure, temporary power pole, and concrete remediation vaults. The two used activated carbon drums (DOT-approved 55-gallon drums) were transported by Siemens Industry, Inc. to re-activate the carbon. A copy of the waste manifest is included in Appendix C.

Closing

Pangea understands that the State Water Resources Control Board (SWRCB) will now issue formal regulatory case closure.

If you have any questions, please call me at (510) 435-8664 or email briddell@pangeaenv.com.

Sincerely,
Pangea Environmental Services, Inc.



Bob Clark-Riddell, P.E.
Principal Engineer



ATTACHMENTS

- Figure 1 – Vicinity Map
- Figure 2 – Site Plan with Extraction Well Locations
- Appendix A – Regulatory Correspondence
- Appendix B – Permits
- Appendix C – Waste Manifests

APPENDIX A

Regulatory Correspondence

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

ORDER WQ 2013-0029-UST

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

BY THE EXECUTIVE DIRECTOR¹:

By this order, the Executive Director directs closure of the underground storage tank (UST) case at the site listed below, pursuant to section 25296.10 of the Health and Safety Code². The name of the responsible party(ies), the site name, the site address, the Underground Storage Tank Cleanup Fund (Fund) claim number if applicable, the lead agency, and case number are as follows:

**Gary Feiner,
Rockridge Heights, LLC.
Mehdizadeh Property
5175 Broadway, Oakland, Alameda County
Fund Claim No. 3406
Alameda County Health Care Services
Agency, Case No. RO0000139**

**Mojdeh Mehdizadeh,
C/O Mohammed H. Mehdizadeh
Mehdizadeh Property
5175 Broadway, Oakland, Alameda County
Fund Claim No. 3406
Alameda County Health Care Services
Agency, Case No. RO0000139**

I. STATUTORY AND PROCEDURAL BACKGROUND

Upon review of a UST case, the State Water Resources Control Board (State Water Board) may 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.

¹ 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.

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

The State Water Board, or in certain cases the State Water Board Executive Director, may close a case or require the closure of a UST case. Closure of a UST case 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. A UST Case Closure Summary has been prepared for the case identified above and the bases for determining compliance with the Water Quality Control Policy for Low-Threat Underground Storage Tank Case Closures (Low-Threat Closure Policy or Policy) are explained in the Case Closure Summary.

Low-Threat Closure Policy

In State Water Board Resolution No. 2012-0016, the State Water Board adopted the 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 UST Case Closure Summary prepared for the case attached hereto, the State Water Board finds that corrective action taken to address the unauthorized release of petroleum at the UST release site identified as:

**Gary Feiner,
Rockridge Heights, LLC.
Mehdizadeh Property
5175 Broadway, Oakland, Alameda County
Fund Claim No. 3406
Alameda County Health Care Services
Agency, Case No. RO0000139**

**Mojdeh Mehdizadeh,
C/O Mohammed H. Mehidizadeh
Mehdizadeh Property
5175 Broadway, Oakland, Alameda County
Fund Claim No. 3406
Alameda County Health Care Services
Agency, Case No. RO0000139**

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 other water quality control policies and applicable water quality control plans.

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.

The UST case identified above may be the subject of orders issued by the Regional Water Quality Control Water 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(ies) 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 and UST Case Closure Summary 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.



Executive Director

6/20/13

Date

APPENDIX B

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: 08/29/2013 By cesarji

Permit Numbers: W2013-0690 to W2013-0699
Permits Valid from 09/03/2013 to 09/06/2013

Application Id: 1376683420407
Site Location: 5175 Broadway, Oakland
Project Start Date: 09/03/2013
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site:Oakland
Completion Date:09/06/2013

Applicant: Pangea Environmental Services Inc. - Tina de la Fuente
1710 Franklin Street, Suite 200, Oakland, CA 94612
Property Owner: Merrill Gardens at Rockridge, LLC
111 N Post, Suite 200, Spokane, WA 99201
Client: ** same as Property Owner **

Phone: 510-836-3700
Phone: 510-419-0455

	Total Due:	\$3310.00
Receipt Number: WR2013-0314	Total Amount Paid:	\$3310.00
Payer Name : Bob Clark-Riddell	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 5 Wells
Driller: PeneCore Drilling - Lic #: 906899 - Method: press

Work Total: \$1985.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2013-0690	08/29/2013	12/02/2013	MW-10A	8.00 in.	2.00 in.	7.00 ft	18.00 ft	1S/4W24B	W2007-0010	0940210
W2013-0691	08/29/2013	12/02/2013	MW-5A	8.00 in.	2.00 in.	8.00 ft	14.00 ft	1S/4W24B	W2007-0013	0940247
W2013-0692	08/29/2013	12/02/2013	MW-5C	8.00 in.	2.00 in.	20.00 ft	27.00 ft	1S/4W24B	W2007-0015	0940245
W2013-0693	08/29/2013	12/02/2013	MW-9A	8.00 in.	2.00 in.	6.50 ft	15.50 ft	1S/4W24B	W2007-0016	0940209
W2013-0694	08/29/2013	12/02/2013	MW-9C	8.00 in.	2.00 in.	16.00 ft	21.00 ft	1S/4W24B	W2007-0927	0940208

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. No work shall begin until all the permits and requirements have been approved or obtained.

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

Alameda County Public Works Agency - Water Resources Well Permit

(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 60 days. Include permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 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 Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org 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.

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.

Remediation Well Destruction-Extraction - 9 Wells

Driller: PeneCore Drilling - Lic #: 906899 - 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 #
W2013-0695	08/29/2013	12/02/2013	DPE-1	10.00 in.	4.00 in.	8.00 ft	19.00 ft	1S/4W24B	W2009-0641	0921155
W2013-0695	08/29/2013	12/02/2013	DPE-2	10.00 in.	4.00 in.	8.00 ft	19.00 ft	1S/4W24B	W2009-0641	0921156
W2013-0695	08/29/2013	12/02/2013	DPE-3	10.00 in.	4.00 in.	9.00 ft	20.00 ft	1S/4W24B	W2009-0641	0921157
W2013-0695	08/29/2013	12/02/2013	DPE-4	10.00 in.	4.00 in.	12.00 ft	18.00 ft	1S/4W24B	W2009-0641	0921158
W2013-0695	08/29/2013	12/02/2013	DPE-5	10.00 in.	4.00 in.	8.00 ft	19.00 ft	1S/4W24B	W2009-0641	0921159
W2013-0695	08/29/2013	12/02/2013	DPE-6	10.00 in.	4.00 in.	16.00 ft	19.00 ft	1S/4W24B	W2009-0641	0921160

Alameda County Public Works Agency - Water Resources Well Permit

W2013-0695	08/29/2013	12/02/2013	MW-3A	8.00 in.	2.00 in.	8.00 ft	14.00 ft	1S/4W24B	No Records	No Records
W2013-0695	08/29/2013	12/02/2013	MW-6A	8.00 in.	2.00 in.	7.00 ft	17.00 ft	1S/4W24B	No Records	No Records
W2013-0695	08/29/2013	12/02/2013	MW-7B	8.00 in.	2.00 in.	14.50 ft	15.50 ft	1S/4W24B	No Records	No Records

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 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 60 days. Include permit number and site map.
3. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
4. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org 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.
5. Remove the Christy box or similar structure. Pressure Grout with Cement (Less than 30 ft in depth). After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
6. 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.

Remediation Well Destruction-Injection - 6 Wells

Driller: PeneCore Drilling - Lic #: 906899 - 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 #
W2013-0696	08/29/2013	12/02/2013	MW-1	10.00 in.	4.00 in.	12.00 ft	23.00 ft	1S/4W24B	No Records	No Records
W2013-0696	08/29/2013	12/02/2013	MW-2C	8.00 in.	2.00 in.	17.00 ft	23.00 ft	1S/4W24B	No Records	No Records
W2013-0696	08/29/2013	12/02/2013	MW-3C	8.00 in.	2.00 in.	21.00 ft	27.00 ft	1S/4W24B	No Records	No Records
W2013-0696	08/29/2013	12/02/2013	MW-5B	8.00 in.	2.00 in.	16.50 ft	20.00 ft	1S/4W24B	No Records	No Records
W2013-0696	08/29/2013	12/02/2013	MW-7C	8.00 in.	2.00 in.	19.00 ft	25.00 ft	1S/4W24B	No Records	No Records
W2013-0696	08/29/2013	12/02/2013	MW-8C	8.00 in.	2.00 in.	19.00 ft	25.00 ft	1S/4W24B	No Records	No Records

Specific Work Permit Conditions

1. Compliance with the 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 Well Permit

Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

2. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
3. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org 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.
4. Remove the Christy box or similar structure. Overdrill or clean out to original depth. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
5. 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.
6. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

Remediation Well Destruction-Extraction - 2 Wells

Driller: PeneCore Drilling - Lic #: 906899 - Method: over

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 #
W2013-0697	08/29/2013	12/02/2013	MW-4A	8.00 in.	2.00 in.	7.00 ft	19.50 ft	1S/4W24B	W2007-0012	0940248
W2013-0697	08/29/2013	12/02/2013	MW-8A	8.00 in.	2.00 in.	7.00 ft	20.00 ft	1S/4W24B	No Records	No Records

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 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 60 days. Include permit number and site map.
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5. Remove the Christy box or similar structure. Destroy well by overdrilling & Tremie Grouting with Cement. After the seal

Alameda County Public Works Agency - Water Resources Well Permit

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

6. 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.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

Remediation Well Destruction-Injection - 1 Wells

Driller: PeneCore Drilling - Lic #: 906899 - Method: over

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 #
W2013-0698	08/29/2013	12/02/2013	AS-1	6.00 in.	1.00 in.	16.00 ft	20.00 ft	1S/4W24B	W2009-0642	0921154

Specific Work Permit Conditions

1. Compliance with the 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 60 days. Include permit number and site map.

2. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

3. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org 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.

4. Remove the Christy box or similar structure. Overdrill or clean out to original depth. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.

5. 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.

6. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

Well Destruction-Vapor monitoring well - 8 Wells

Driller: PeneCore Drilling - Lic #: 906899 - Method: over

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well	Hole Diam.	Casing	Seal Depth	Max. Depth	State Well #	Orig.	DWR #
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			Id	Diam.				Permit #			
W2013-0699	08/29/2013	12/02/2013	SG-10	3.25 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W24B	W2012-0620	E0161861	
W2013-0699	08/29/2013	12/02/2013	SG-11	3.25 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W 24B	W2012-0620	E0161862	
W2013-0699	08/29/2013	12/02/2013	SG-4	0.75 in.	0.25 in.	3.50 ft	4.50 ft	1S/4W 24B	No Records	No Records	
W2013-0699	08/29/2013	12/02/2013	SG-5	0.75 in.	0.25 in.	4.00 ft	5.00 ft	1S/4W 24B	No Records	No Records	
W2013-0699	08/29/2013	12/02/2013	SG-6	0.75 in.	0.25 in.	3.00 ft	4.00 ft	1S/4W 24B	No Records	No Records	
W2013-0699	08/29/2013	12/02/2013	SG-7	0.75 in.	0.25 in.	3.00 ft	4.00 ft	1S/4W 24B	No Records	No Records	
W2013-0699	08/29/2013	12/02/2013	SG-8	3.25 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W 24B	W2012-0620	E0161859	
W2013-0699	08/29/2013	12/02/2013	SG-9	3.25 in.	0.25 in.	3.00 ft	5.00 ft	1S/4W 24B	W2012-0620	E0161860	

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 60 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, 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. No work shall begin until all the permits and requirements have been approved or obtained.

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 60 days.

8. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least

Alameda County Public Works Agency - Water Resources Well Permit

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. Overdrill or clean out to original depth. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.

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. 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.

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).

APPENDIX C

Waste Manifests

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #: C7#	Facility #: A07	Approval Number: 41692	Load #: 10011
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Generator's Name and Billing Address: MERRILL GARDENS AT ROCKRIDGE, LLC ATTN: RYAN LEONG 111 N. POST, SUITE 200 SPOKANE, WA 99201	Generator's Phone #: 510-410-0455	
	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) MENDIZADEH PROPERTY 5175 BROADWAY OAKLAND, CA 94609	Site Phone #:	
	Person to Contact:	
	FAX#:	

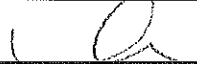
Designated Facility (Transport to): (name & address) SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 882-8004	
	Person to Contact: DELLENA JEFFREY	
	FAX#: (780) 246-8004	

Transporter Name and Mailing Address: BELSHIRE 25871 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 225961	Transporter's Phone #: 949-460-5200	CAR000183913
	Person to Contact: LARRY MOOTHART	450647
	FAX#: 949-460-5210	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"/>	3dms				
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"/>					

List any exception to items listed above: _____ Scale Ticket # _____

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: <input type="checkbox"/> Generator <input type="checkbox"/> Consultant <input type="checkbox"/>	Signature and date: 	Month, Day, Year: 19/20/13
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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: Carroll	Signature and date: 	Month, Day, Year: 10/7/13
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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: D. JEFFREY/J. PROVANSAL	Signature and date: _____

Generator and/or Consultant

Transporter

Recycling Facility

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAG002745103	2. Page 1 of 1	3. Emergency Response Phone 749)275 1654	4. Manifest Tracking Number 004662893 FLE				
5. Generator's Name and Mailing Address MERRILL HARDEN AT RICKMAN, LLC ATTN: RYAN HOUTH 1111 WEST 200 COLUMBUS, GA 31906		Generator's Site Address (if different than mailing address) MERRILL HARDEN DR. P.O. BOX 5175 BROADWAY COLUMBUS, GA 31909						
6. Transporter 1 Company Name DELPHINE				U.S. EPA ID Number CAR000183213				
7. Transporter 2 Company Name Nieto & Sons Trucking, Inc				U.S. EPA ID Number CAT080011				
8. Designated Facility Name and Site Address DeManno Hardon 2000 N. Alameda St. Cameron, CA 94222 Facility's Phone: (916) 687-7100				U.S. EPA ID Number CAT080013852				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		1. Non-RCRA Hazardous Waste, Liquid	No.	Type				
			1	DR	20	G		
14. Special Handling Instructions and Additional Information WEAR ALL APPROPRIATE PPE PROTECTIVE CLOTHING. 225861								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offoror's Printed/Typed Name Larry Moothart of BE3I on behalf of generator			Signature <i>[Signature]</i>			Month 9	Day 26	Year 13
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name Luis Navarrete			Signature <i>[Signature]</i>			Month 9	Day 26	Year 13
Transporter 2 Printed/Typed Name			Signature			Month	Day	Year
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____								
18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Anwarde Inc			Signature <i>[Signature]</i>			Month 10	Day 03	Year 13

5175 BROA
930882

SIEMENS

INDUSTRY, INC.

0104298

PMK10001

NON-HAZARDOUS MANIFEST

CONSIGNEE (TO): SIEMENS INDUSTRY, INC.	SHIPPER (FROM):
<input type="checkbox"/> 2523 Mutahar Street Parker, AZ 85344	1 Merrill Gardens at Redridge 5175 Broadway Oakland CA
<input checked="" type="checkbox"/> 11711 Reading Road Red Bluff, CA 96080	
<input type="checkbox"/> 5375 S. Boyle Ave. Los Angeles, CA 90058	

JOB #: ³ 50777313

NO. SHIPPING UNITS	TYPE*	DESCRIPTION	WEIGHT
4 2	5 DM	Spent Carbon - Non-Hazardous Waste Not DOT Regulated Material Circle One: <u>AQUA</u> VAPOR	6 800#
		Profile # ₇ W130209AC	Exp 9/27/15

CUSTOMER INFORMATION:

DATE: ₈ 10/3/13	PRINT NAME: ₉ Scott Beck	SIGNATURE: ₁₀ [Signature]
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TRANSPORTER:

NAME OF CARRIER #1: SIEMENS INDUSTRY, INC.	DATE: ₁₁ 10/3/13	SIGNATURE: ₁₂ [Signature]
NAME OF CARRIER #2: 13	DATE: ₁₄	SIGNATURE: ₁₅
RECEIVED BY (FULL NAME): 16	DATE: ₁₇	SIGNATURE: ₁₈

- 1.) Name of Generator
- 2.) Generator site address
- 3.) Given job number
- 4.) Number of units being picked up
- 5.) Type of unit being picked up
- 6.) Total weight
- 7.) Profile number, MANDATORY
- 8.) Date of service and/or pick up performed
- 9.) Name of person signing for Generator
- 10.) Signature of person in box 9
- 11.) Same as box 8
- 12.) Signature of driver for Transporter #1
- 13.) Name of carrier transporting to Plant
- 14.) Date the load was picked up to go to the Plant
- 15.) Driver's signature for Transporter #2
- 16.) Full name of Receiving person
- 17.) Date received to Plant
- 18.) Signature of Receiving person

NON-HAZARDOUS MANIFEST

WHITE: THE PLANT YELLOW: TRANSPORTER #2 PINK: FILE GOLD: GENERATOR