



August 2, 2018

David DiGenova, Trustee  
Anthony DiGenova Trust  
251 Orange Blossom Lane  
San Rafael, CA, 94903

Subject: Request for *Interim Remedial Action Work Plan* for Leaking Underground Fuel Tank Case No. RO0003293 and GeoTracker Global ID T10000011255, 2510 Central Avenue located at 2510 Central Avenue (APN: 70-171-3), Alameda, CA 94501

Dear Mr. DiGenova:

Alameda County Department of Environmental Health (ACDEH) has reviewed the case file for the subject site in conjunction with the *Subsurface Environmental Investigation Report* (the Report) dated May 4, 2018, prepared by Green Environment Inc. (Green) on your behalf. The report documents results from additional site characterization activities that were conducted in March 2018 to address data gaps discussed during a meeting with ACDEH and Green on January 9, 2018.

Additional characterization activities documented in the Report include results of soil, grab groundwater sump water, and, soil vapor samples collected within the vicinity of the former waste oil underground storage tank (UST), within the sump in the interior of the underground garage, and adjacent to the subject site (the Site) to assess potential preferential pathway vapor intrusion from subsurface utilities entering the building. The Report documents the results of the soil and groundwater samples to further delineate the nature and extent of Total Petroleum Hydrocarbons as gasoline (TPH-g), diesel (TPH-d), and motor oil (TPH-mo) in the subsurface initially identified during tank removal activities in June 2017 and to characterize soil vapor in order to evaluate if soil vapor poses an unacceptable risk to the nearby residential receptors. Results from soil samples indicate TPH-d was detected in soil boring EB-1 advanced within the former UST excavation area. TPH-d was reported up to 3,000 milligrams per kilogram (mg/kg) in sample EB-1 at a depth of 10 to 10.5 feet below ground surface (bgs) below the reported bottom of the former UST area. Trace TPH-d was also detected in soil borings EB-2 and EB-5 at shallow depths (approximately 4 feet bgs). Grab groundwater results indicate TPH-d up to 4,100 micrograms per liter (ug/l) was reported in EB-1 located in the former tank excavation area and up 280 ug/l in EB-3 located adjacent (southeast) to the former UST excavation area. No detections of any petroleum hydrocarbon constituents were reported from the garage sump water sample. Chloroform was reported at a concentration of 8.0 micrograms per cubic meter (ug/m<sup>3</sup>) in the soil vapor probe located adjacent to the onsite building and underground utility (fuel oil pipeline) penetrating the building.

Based on results presented in the report, Green recommends the following activities; destruction of existing vapor probe; development of a work plan for removal of secondary source materials; and implementation of the approved work plan and request for case closure upon completion and documentation of the work.

ACDEH has evaluated the data and recommendations presented in the Report, in conjunction with the case files, to determine if the site is eligible for closure as a low risk site under the State Water Resources Control Board's Low Threat Underground Storage Tank Case Closure Policy (LTCP). Based on ACDEH staff review, we have determined that the site fails to meet the LTCP General Criteria, f (Secondary Source Removal), please refer to the LTCP Checklist on GeoTracker.

Therefore, at this juncture ACDEH requests that you prepare an *Interim Remedial Action Work Plan (Work Plan)* to address the *Technical Comments* provided below and decommission the existing vapor probe. ACDEH also requests that you submit the requested *Deliverables* below to the State Water Resources Control Board's GeoTracker website in accordance with the compliance schedule provided and the *Responsible Party (ies) Legal Requirement/Obligations Instructions* and *File Naming Conventions* which are included as Attachments 1 and 2 respectively. ACDEH requests email notification verifying the requested deliverables have been uploaded to Geotracker (e-mail preferred to: [andrew.york@acgov.org](mailto:andrew.york@acgov.org)).

## **TECHNICAL COMMENTS**

- 1. General Criteria f – Secondary Source Has Been Removed to the Extent Practicable** – “Secondary source” is defined as petroleum-impacted soil or groundwater located at or immediately beneath the point of release from the primary source. Unless site attributes prevent secondary source removal (e.g. physical or infrastructural constraints exist whose removal or relocation would be technically or economically infeasible), petroleum-release sites are required to undergo secondary source removal to the extent practicable as described in the policy. “To the extent practicable” means implementing a cost-effective corrective action which removes or destroys-in-place the most readily recoverable fraction of source-area mass. It is expected that most secondary mass removal efforts will be completed in one year or less. Following removal or destruction of the secondary source, additional removal or active remedial actions shall not be required by regulatory agencies unless (1) necessary to abate a demonstrated threat to human health or (2) the groundwater plume does not meet the definition of low threat as described in this policy.

ACDEH requests that you present a strategy in the Work Plan which includes a comprehensive and detailed plan for implementing the soil excavation including but not limited to the following items:

- Scaled figures (plan views and cross-sections) showing sampling locations and extents of excavation, volume of soil excavated and final disposition;
- Description of proposed soil excavation activities including but not limited to excavation phasing and other measures to minimize volatilization of constituents in soil to outdoor air and exposure to receptors (e.g. phased demolition of pavement, dewatering, use of containerized bins for excavated soil, direct load of excavated soil into trucks for immediate off-haul, etc);
- Shoring and/or other stabilization measures;
- Proposed confirmation sample locations and density, including in-situ soil samples for pre-characterization for offsite disposal at a permitted facility;
- Protocols for characterizing, segregating, and stockpiling and/or direct loading of excavated soil based on visual and olfactory observations, PID readings and analytical results for TPH-g, and TPH-d;
- Estimated quantities of soil to be excavated and transported offsite for disposal;
- Groundwater dewatering plan; and
- Information regarding proposed soil import sources.

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**DELIVERIBLES**

Please perform the requested work and submit the technical report to the GeoTracker website and ACDEH via email (Attention: Drew York) according to the following schedule:

- **Monday, October 1, 2018 – Interim Remedial Action Work Plan**  
File to be named: IRAWP\_2018-10-01

**UNDERGROUND STORAGE TANK CLEANUP FUND**

Please be aware that site investigation/site cleanup costs may be reimbursable from the California Underground Storage Tank Cleanup Fund. The application and additional information is available at the State Water Resources Control Board's website at [http://www.waterboards.ca.gov/water\\_issues/programs/ustcf](http://www.waterboards.ca.gov/water_issues/programs/ustcf). Please be aware that reimbursement monies are contingent upon maintaining compliance with directives from ACDEH.

Thank you for your cooperation. ACDEH looks forward to working with you and your environmental consultants to advance the case toward closure. If you have any questions, please call me at (510) 639-1276 or send me an email message at [andrew.york@acgov.org](mailto:andrew.york@acgov.org).

Sincerely,



Drew J. York  
Senior Hazardous Materials Specialist



Dilan Roe, PE, C73703  
Chief - Land Water Division

Encl.: Attachment 1 – Responsible Party (ies) Legal Requirement/Obligations  
Attachment 2 – Electronic File Naming Conventions

cc: Mark Green, Green Environment Inc. (Sent via E-mail to: [mark@greenenvironment.com](mailto:mark@greenenvironment.com))  
Eric Lautenbach, Green Environment Inc. (Sent via E-mail to: [eric@greenenvironment.com](mailto:eric@greenenvironment.com))  
Marion Brown, Anderson Yazdi, Hwang Minton & Horn (Sent via E-mail to: [mbrown@ayhmf.com](mailto:mbrown@ayhmf.com))  
Dilan Roe, ACDEH, Chief, Land and Water Division (Sent via E-mail to: [dilan.roe@acgov.org](mailto:dilan.roe@acgov.org))  
Paresh Khatri, ACDEH (Sent via E-mail to: [paresh.khatri@acgov.org](mailto:paresh.khatri@acgov.org))  
Drew York, ACDEH (Sent via E-mail to: [andrew.york@acgov.org](mailto:andrew.york@acgov.org))  
Electronic File, GeoTracker

ATTACHMENT 1

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)</b>	<b>REVISION DATE:</b> December 14, 2017
	<b>ISSUE DATE:</b> July 25, 2012
	<b>PREVIOUS REVISIONS:</b> September 17, 2013, May 15, 2014, December 12, 2016
<b>SECTION:</b> ACDEH Procedures	<b>SUBJECT:</b> Responsible Party(ies) Legal Requirements / Obligations

#### REPORT & DELIVERABLE REQUESTS

Alameda County Department of Environmental Health (ACDEH) Cleanup Oversight Programs, Local Oversight Program (LOP) and Site Cleanup Program (SCP) require submission of all reports in electronic form to the State Water Board's (SWB) GeoTracker website in accordance with California Code of Regulations, Chapter 30, Division 3, Title 23 and Division 3, Title 27.

#### Leaking Underground Fuel Tank (LUFT) Cases

Reports and deliverable requests are pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party (RP) in conjunction with an unauthorized release from a petroleum underground storage tank (UST) system.

#### Site Cleanup Program (SCP) Cases

For non-petroleum UST cases, reports and deliverables requests are pursuant to California Health and Safety Code Section 101480.

#### ELECTRONIC SUBMITTAL OF REPORTS

A complete report submittal includes the PDF report and all associated electronic data files, including but not limited to GEO\_MAP, GEO\_XY, GEO\_Z, GEO\_BORE, GEO\_WELL, and laboratory analytical data in Electronic Deliverable Format™ (EDF). Additional information on these requirements is available on the State Water Board's website ([http://www.waterboards.ca.gov/water\\_issues/programs/ust/electronic\\_submittal/](http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/))

- Do not upload draft reports to GeoTracker
- Rotate each page in the PDF document in the direction that will make it easiest to read on a computer monitor.

#### GEOTRACKER UPLOAD CERTIFICATION

Each report submittal is to include a GeoTracker Upload Summary Table with GeoTracker valid values<sup>1</sup> as illustrated in the example below to facilitate ACDEH review and verify compliance with GeoTracker requirements.

#### **GeoTracker Upload Table Example**

Report Title	Sample Period	PDF Report	GEO_MAPS	Sample ID	Matrix	GEO_Z	GEO_XY	GEO_BORE	GEO_WELL	EDF
<b>2016 Subsurface Investigation Report</b>	2016 S1	✓	✓	Effluent	SO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
<b>2012 Site Assessment Work Plan</b>	2012	✓	✓			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2010 GW Investigation Report</b>	2008 Q4	✓	✓	SB-10	W	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
				SB-10-6	SO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
				MW-1	WG	✓	✓	✓	✓	✓
				SW-1	W	✓	✓	✓	✓	✓

<sup>1</sup> GeoTracker Survey XYZ, Well Data, and Site Map Guidelines & Restrictions, CA State Water Resources Control Board, April 2005

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)</b>	<b>REVISION DATE:</b> NA
	<b>ISSUE DATE:</b> December 14, 2017
	<b>PREVIOUS REVISIONS:</b> September 17, 2013, May 15, 2014, December 12, 2016
<b>SECTION:</b> ACDEH Procedures	<b>SUBJECT:</b> Responsible Party(ies) Legal Requirements / Obligations

**ACKNOWLEDGEMENT STATEMENT**

All work plans, technical reports, or technical documents submitted to ACDEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to the State Water Board's GeoTracker website." This letter must be signed by the Responsible Party, or legally authorized representative of the Responsible Party.

**PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS**

The California Business and Professions Code (Sections 6731, 6735, and 7835) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately licensed or certified professional and include the professional registration stamp, signature, and statement of professional certification. Additional information is available on the Board of Professional Engineers, Land Surveyors, and Geologists website at: <http://www.bpelsg.ca.gov/laws/index.shtml>.

**UNDERGROUND STORAGE TANK CLEANUP FUND**

For LUFT cases, RP's non-compliance with these regulations may result in ineligibility to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse the cost of cleanup. Additional information is available on the internet at: [https://www.waterboards.ca.gov/water\\_issues/programs/ustcf/](https://www.waterboards.ca.gov/water_issues/programs/ustcf/)

**AGENCY OVERSIGHT**

Significant delays in conducting site assessment/cleanup or report submittals may result in referral of the case to the Regional Water Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

ATTACHMENT 2

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)</b>	<b>REVISION DATE:</b> August 1, 2017
	<b>PREVIOUS REVISIONS:</b>  July 17, 2017, November 8, 2016, December 15, 2015, December 16, 2014, June 19, 2013, June 15, 2011, March 26, 2009, April 29, 2008
	<b>ISSUE DATE:</b> June 16, 2006
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> File Names for Electronic Reports

Format: REPORT\_NAME\_R\_YYYY-MM-DD  
Ex: SWI\_R\_VOL1\_2006-05-25

<b>LOP and SCP (VRAP) INCOMING REPORTS AND LETTERS</b>	
<b>Document Name</b>	<b>Abbreviation File Name= Abbreviation + Date (yyyy- mm-dd)</b>
Abandoned Well Information/Water Supply Well Information	ABWELLINF_R
Addendum	ADEND_R (added after report name)
Additional Information Report	ADD_R
Analytical Reports (Loose data sheets not in report)	ANALYT_R
As Built Drawings (or Plans)	AS_BUILT
Case File Scanned By OFD	CASE_FILE
Cleanup and Abatement Report	CAO_R
Case Transfer Form (from CUPA)	CASE_TRNSFR_F
Conduit Study/Well Search/Sensitive Receptor/Well Survey/Preferential Pathway Study	COND_WELL_R
Corrective Action Plan (CAP)	CAP_R
Correspondence	CORRES_L
Court Injunctions	INJ_L
Development Plans (Includes Plan Set, Cross-sections, and Related Drawings)	DEV_PLAN_date
Development Schedule (Project Schedule, Gant Chart, etc.)	DEV_SCHD_date
DWR Confidential Well Logs (Report containing)	report name_R_CONFIDENTIAL_YYYY-MM-DD (Ex: SWI_R_CONFIDENTIAL_YYYY-MM-DD)
DWR Well Completion Report-Confidential (Loose well logs)	DWR_WELL_CONFIDENTIAL_YYYY-MM-DD (Date of Well Log)
ESI/DAR (Environmental Site Investigation, Data Assessment Report)	ESI_R
Excavation Report	EX_R
Extension Request Letter	EXT_RQ_L
Fact Sheet	FACT_SHT



Feasibility Study	FEASSTUD_R
Groundwater Monitoring/Quarterly Summary Report	GWM_R
Financial Assurance/Letter of Credit	FNCL_ASSRNC_LOC
Interim Remedial Action Plan	IRAP_R
Interim Remediation Results (Includes Pilot Test Reports, Vapor Mitigation Reports, Soil Reports, Free Product Removal Reports, & Dual-Phase Extraction Reports)	IR_R
Lawsuit	LAWSUIT_R
Migration Control Report	MIG_R
Miscellaneous Report/Soil Sample	MISC_R
Miscellaneous Sample Report (analytical results)	MISC_SAMP_R
Notification Letter	NOT_L
NPDES Miscellaneous Reports	NPDES_R
Operations & Maintenance Plan	OM_P
Operations & Maintenance Report	OM_R
Pay for Performance	PFP_R
Petition	PETITION_R
Phase 1 Environmental Assessment Report	PHASE1_R
Photos	PHOTO_date
Preliminary Site Assessment Report/Phase 2 (historic reports only)	PSA_R
Remedial Action Plan	RAP_R
Remedial Design & Implementation Plan	RDIP_R
Remediation Progress Report	REM_R
Request for Closure	RFC(_L or _R)
Risk Assessment Report	RISK_R
Risk Based Corrective Action	RBCA_R
List of Landowners Forms	LNDOWNR_F_DATE
SB2004 Letter of Commitment	LOC_L
Site Conceptual Model/Conceptual Site Model	SCM_R
Site Health & Safety Plan	SFTY_PLAN_R
Site Management	SITE_MANAGE_R_
Site Management Plan	SMP_R
Site Summary Report	SITE_SUM_R

Soil and Water Investigation Report (Includes soil gas/vapor reports, indoor, additional site investigation, well installation, site characterization, cross section, indoor air, additional onsite investigation, Phase II/preliminary site assessment)	SWI_R
Soil Disposal Report	SOIL_DSPL_R
Source Area Characterization	SOURCAREA_R
State Information	STATE_INFO (no date)
Status Report(monthly remediation status reports addressed to sanitary district requires no stamp/perjury)	STAT_R
Tank/Tank System Removal Report	TNK_R
Tentative Order Report	TENT_R
Unauthorized Release Form	URF_R
UST Sampling Report	UST_SAMP_R
USTCF 5 Year Review	USTCF_5YR
USTCF issued Public Notice	USTCF_PP_L
Well Construction Report (limited to water supply wells)	WELL_CST_R
Well Decommissioning Report/Letter (well destruction/abandonment)	WELL_DCM_R
Work Plan	WP_R

**LOP and SLIC  
ACEH OUTGOING LETTERS AND CASE FILE DOCUMENTATION**

<b>Document Name</b>	<b>Abbreviation File Name= Abbreviation + Date (yyyy-mm-dd)</b>
90 Day Letter	90D_L
CAP Approval	CAP_AP_L
RP Certification of Public Notice	CAP_CERT_L
CAP Public Participation Letter	CAP_PP_L
CAP Public Participation Letter to RP	CAP_PPRP_L
Certified Mail Receipt	CERT_MAIL_RECEIPT
Cleanup and Abatement Order	CAO_L
Closure Public Participation Letter	CL_PP_L
Closure Package (Letter, RACC, Summary, Deed Restriction)	CLOS_L
Correspondence	CORRES_L
Deed Restriction	DEED_L_ (Copied from CLOS_L_)
Directive Letter containing Public Notice and/or Landowner request form	DIR_PP_L
Directive Letter (Landowner form, site management requirements, well decommission scheduling prior to closure of PP, copy of PP to all RPs)	DIR_L
Enforcement	ENF_L
Enforcement Referral Letter	ENF_REF_L
Extension Approval Letter	EXT_AP_L
Extension Denial Letter	EXT_DNY_L
Fund Requests	FUND_REQ_L
Final Voluntary Remedial Action Agreement	FVRAA_date
GeoTracker info	GEOTRACK_R
Late Letter	LATE_L
List of Landowners Forms	LNDOWNR_F_DATE
Mailing List for Public Notice in Excel Format	MAIL_PP_DATE
Maps & Assessor's Parcel Information	MAPS_ASSESSOR (no date)
Meeting Agenda, Minutes, Sign in Sheet	MEETING
Miscellaneous Letter	MISC_L
New Landowner Letters	LNDOWNR_REQ_L
Notice of Responsibility	NOR_L
Notice of Violation	NOV_L
Phone Log	PHONE_LOG
Photos	PHOTO_date
Post Closure Monitoring	PCMP_L
QA/QC Checklist (confidential)	QAC_report name_date
Responsible Parties Information	RPINFO_L_DATE OF THE LETTERHEAD
Returned Mail	RTN_MAIL_date

Site Visit/Inspection Report	SITEVISIT_R
Transfer Letter	TRANS_L
UST Permit	UST_PRMT
Voluntary Remedial Action Notice to State Agencies	VRA_NOTICE
Voluntary Remedial Action Request Form from RP	VREQ_F