Ms. Karel Detterman
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: 640 Brooklyn Avenue, Oakland, California 94606
ACEHD Case No. RO0003114, GeoTracker ID T10000004795

Dear Ms. Detterman:

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

Sincerely,

Mr. Jeffrey Jung

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

March 18, 2014
Project No. 2185-0640-01

Ms. Karel Detterman
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: **Soil and Groundwater Investigation Report**
Casa Amiga Apartments
640 Brooklyn Avenue
Oakland, California 94606

Dear Ms. Detterman:

On behalf of Mr. Jeffrey Jung, Stratus Environmental, Inc. (Stratus) has prepared this *Soil and Groundwater Investigation Report,* detailing the evaluation of the extent of petroleum hydrocarbon impacted soil and groundwater at the Casa Amiga Apartments (the site) located at 640 Brooklyn Avenue, Oakland, California. The work was carried out in the accordance with the scope outlined in Stratus's *Soil and Groundwater Investigation Work Plan,* dated September 27, 2013, and *Soil and Groundwater Investigation Work Plan Addendum*, dated November 22, 2013, approved by the Alameda County Environmental Health Department (ACEHD) via email on December 24, 2013. The work was conducted on February 20 and 21, 2014.

SITE DESCRIPTION

The subject site is located at 640 Brooklyn Avenue in Oakland, California. The site is currently used as a residential apartment complex in a residential neighborhood. The subject site is at an elevation of approximately 95 feet above mean sea level (amsl). Lake Merritt is located 1,200 feet west of the property at an elevation of approximately 4 feet amsl. Groundwater flow in the area appears to be moving west to southwest toward the lake. A site location map and current site plan are shown as Figures 1 and 2, respectively.

SITE BACKGROUND

One underground storage tank (UST) was discovered to exist beneath the sidewalk along Brooklyn Avenue in front of the subject site during a Phase I environmental site assessment. Golden Gate Tank Removal, Inc. (GGTR) was retained to excavate and remove the UST from the subject site. Excavation began in February 2013, and after overburden soil was removed from the area and stockpiled, a 750-gallon UST containing residual diesel fuel was observed. The UST was situated 8 feet below ground surface (bgs) at bottom, measured 8 feet in length by 4 feet in width, and was constructed of single-wall bare steel. After removal, the UST was transported to Circosta Iron & Metal, Inc. in San Francisco, California, for disposal and recycling.

Field observations during removal indicated there was a visible hole in the tank. Soil discoloration and petroleum hydrocarbon odor was observed during removal of the UST. One soil sample (9325 C-10) was collected from 2 feet below (10 feet bgs) the center of the tank. Additionally, one four-point soil composite sample (9325 SP-COMP (A-D)) was collected from the stockpiled overburden soil. Samples were analyzed for total petroleum hydrocarbon as diesel (TPHd), as well as for benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX), methyl tertiary butyl ether (MTBE), and lead. Analysis of these samples did, in fact, indicate a release in soil. TPHd was reported at a maximum concentration of 4,820 milligrams per kilogram (mg/Kg) in the soil sample (9325 C-10) collected from beneath the former UST. Based upon these results, over-excavation around the former tank location was conducted to 16 feet bgs on March 27, 2013. Two confirmation soil samples were collected from the base of the excavation near the western (9325-EX-W-16) and eastern (9325-EX-E-16) ends of the excavation. In addition to the analytes above, these samples were analyzed for fuel oxygenates di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-butyl alcohol (TBA), tert-amyl methyl ether (TAME) and lead scavengers 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA). Soil analytical results reported concentrations of TPHd of 875[1] and 227 mg/Kg from samples 9325-EX-W-16 and 9325-EX-E-16, respectively. All other analytes were reported below laboratory detection limits. Approximately 7.85 tons of over-excavated soil was transported to Vasco Road Landfill Facility in Livermore, California, for proper disposal. Stockpiled overburden, along with 10 yards of clean imported soil, was used to backfill the excavation. Groundwater was not encountered at any point during the excavation. Historical soil sample locations and analytical data are shown in Figure 2 and Table 1, respectively.

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[1] Reported above the Regional Water Quality Control Board, San Francisco Bay Region, Environmental Screening Levels (May 2013) of 530 mg/Kg for middle distillates in deep soil, residential, with groundwater as a drinking source.

CURRENT SITE INVESTIGATION ACTIVITIES

Stratus conducted the following activities during the site investigation:

- Four soil borings (SB-1 through SB-4) were advanced at or near the former UST location.
- Groundwater sampling was conducted in boring SB-1.

Details of these activities are presented below.

Pre-Field Activities

Following approval of the work plan by ACEHD personnel, the following pre-field activities were completed:

- Obtained well installation/drilling permit from Alameda County Public Works Department (ACPWD) (copy of permit included in Appendix A),
- Obtained various street use permits from the City of Oakland (see Appendix A),
- Retained and scheduled a licensed C-57 drilling contractor,
- Prepared a site-specific health and safety plan for the site,
- Marked all boring locations, contacted Underground Service Alert to locate underground utilities in the vicinity of the work site, and oversaw a subcontractor for private utility location services, and
- Notified California Regional Water Quality Control Board (RWQCB), ACEHD, ACPWD, and the site owner of the scheduled field activities.

All geologic work was conducted under the direct supervision of a State of California Professional Geologist (PG) and was conducted in accordance with standards established by the *Tri-Regional Board Staff Recommendations for Preliminary Investigation and Evaluation of Underground Tank Sites* (April 16, 2004) and RWQCB guidelines. A California-licensed C-57 well driller performed all drilling activities.

Field Activities

Soil Borings

On February 20 and 21, 2014, a C-57 licensed drilling contractor (Woodward Drilling Company; License No. 710079) was subcontracted to advance soil borings SB-1 through SB-4 at the approximate locations shown on Figure 2 using a direct-push rig equipped with 2-½ inch diameter sample rods. A Stratus geologist was onsite to oversee the

advancement of the soil borings. Prior to mechanical boring, the initial 4 feet of each boring were cleared with hand tools to reduce the possibility of damaging underground utilities. Each boring was advanced using a direct-push sampler equipped with 4-foot long, 1-1/2-inch diameter acetate sample liners. Soil samples for laboratory analyses were collected by cutting 6 inches of the acetate liner containing soil from 4-foot intervals. The ends of each sample were lined with Teflon sheets, capped, labeled, and placed in an ice-chilled cooler pending submittal, under chain-of-custody, to a state-certified analytical laboratory for analyses. All sampled soil was classified using the Unified Soil Classification System (USCS) and recorded, along with other pertinent geologic information, on a soil boring log. At those intervals in which a soil sample was selected to be sent for laboratory testing, an additional fraction of soil from the same interval was placed and sealed in plastic bags to allow the accumulation of volatile organic compound (VOC) vapors, if any, within the airspace in the bags. A portable photo-ionization detector (PID) was used to measure VOC concentrations from each sample in parts per million (ppm), and was recorded on the boring log. Boring logs, detailing soil stratigraphy, drilling conditions/notes, PID results, and all pertinent geologic and hydrogeologic data gathered, are included in Appendix B.

Each boring was advanced to refusal depth, which was 20 feet bgs for borings SB-1, SB-2, and SB-4. Boring SB-3 met refusal at 24 feet bgs. The work plan called for collection of groundwater samples, should groundwater be encountered. Water was encountered in boring SB-1; the boring was inside the former tank pit, and some water was perched at the interface between the gravel backfill material and the native fine-grained soil.

After sample collection, each boring was backfilled with neat Portland cement and the surface was completed with concrete flush with the original surface.

Waste Management

Soil cuttings generated during drilling activities were placed in properly labeled, DOT-approved, 55-gallon steel drums and stored on-site pending disposal. IWM of San Jose, California, was contracted to transport the soil to a licensed facility for disposal. A copy of the waste disposal manifest is included in Appendix C.

Findings

Lithology

The soil encountered during the investigation was predominantly clay with varying amounts of silt. In boring SB-2, two thin layers of clayey sand were observed at approximately 14 and 19 feet bgs. Groundwater was not encountered in borings SB-2

through SB-4. In boring SB-1, the backfill material in the former UST pit consisted of gravel and sand with little to no fine-grained soil. Some water was encountered at the base of the UST excavation, but there was very low recovery when a sample was collected.

Laboratory Analyses and Results

Soil and groundwater samples collected during this investigation were submitted under chain-of-custody to Kiff Analytical, LLC, a CADHS-certified laboratory, for chemical analyses. A total of 13 soil samples from borings SB-1 through SB-4, and a groundwater sample from boring SB-1, were analyzed for the presence of TPHd according to USEPA Method 8015, and for BTEX, MTBE, and naphthalene according to USEPA Method 8260B. It was part of the planned scope of work to analyze samples for TPH as heating oil, but the analytical lab indicated that TPHd and heating oil are virtually indistinguishable on a chromatograph, therefore TPHd analytical results can be considered to be possible TPH as heating oil results.

Copies of laboratory analytical reports are included as Appendix D. Laboratory data (EDF format) has been uploaded to the California State Water Resources Control Board (SWRCB) GeoTracker database. Soil analytical results are summarized on Table 1

Of the 13 soil samples collected, the sample from boring SB-2 at 4 feet bgs contained 1.3 mg/Kg TPHd, 0.3 mg/Kg above the laboratory detection limit of 1.0 mg/Kg. No other soil sample contained any reportable concentrations of petroleum hydrocarbons. The single water sample collected at 12 feet bgs in soil boring SB-1 contained 2,000 micrograms per liter (µg/L) TPHd, but no other reportable concentrations of hydrocarbons.

CONCLUSIONS

The purpose of this investigation was to determine the extent, if any, of hydrocarbon impact from the former UST to the surrounding soil and groundwater. The lack of soil impact (except for a minor detection at 4 feet in boring SB-2), including no detected impact below the former UST pit, indicates that the extent of the soil impact was fully addressed during the UST removal excavation. TPHd impact in the water sample collected from the former UST pit does indicate some remaining impact, but the lithology of the surrounding native soil (dense clays) appears to have prevented migration of petroleum hydrocarbons beyond the source area. The water table did not appear to have been encountered during this investigation; the perched groundwater encountered in boring SB-1 appears to be from infiltration of surface water through the UST excavation backfill material, which is then trapped at the native soil interface. Considering the site is

located at the apex of a large hill, the paved urban environment, and the non-porous lithology of the area, groundwater may not exist in any functional amount at the site.

Due to the limited extent of the soil impact and lack of groundwater impact at the site, Stratus recommends the site for environmental site closure by the SWRCB low-threat closure policy (LTCP). A copy of the evaluation checklist for LTCP site closure is included as Appendix E.

LIMITATIONS

This report was prepared in general accordance with accepted standards of care that existed at the time this work was performed. No other warranty, expressed or implied, is made. Conclusions and recommendations are based on field observations and data obtained from this work and previous investigations. It should be recognized that definition and evaluation of geologic conditions is a difficult and somewhat inexact science. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the subsurface conditions present. More extensive studies may be performed to reduce uncertainties. This report is solely for the use and information of our client unless otherwise noted.

If you have any questions or comments concerning this document, please contact Trevor Hartwell at (530) 313-9966.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Allan Dudding
Project Geologist

Trevor M. Hartwell, P.G.
Project Manager

Attachments:

Table 1	Soil Analytical Data Summary
Figure 1	Site Location Map
Figure 2	Site Plan
Appendix A	Permits
Appendix B	Boring Logs
Appendix C	Waste Disposal Manifest
Appendix D	Certified Laboratory Analytical Report and Chain of Custody Documentation
Appendix E	LTCP Closure Checklist

cc: Mr. Jeffrey Jung

TABLE 1

SOIL ANALYTICAL DATA SUMMARY

Casa Amiga Apartments

640 Brooklyn Avenue, Oakland, California

Sample Location	Sample Depth (feet bgs)	Date Collected	TPHd (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	MTBE (mg/Kg)	TBA (mg/Kg)	DIPE (mg/Kg)	ETBE (mg/Kg)	TAME (mg/Kg)	1,2-DCA (mg/Kg)	EDB (mg/Kg)	Lead (mg/Kg)	Naph-thalene (mg/Kg)
9325 C-10	10	02/14/13	**4,820**	<23	<23	<23	**127**	<47	--	--	--	--	--	--	**7.1**	**7.1**
9325 SP-COMP (A-D)	SP	02/14/13	**13.1**	<0.47	<0.47	<0.47	<0.94	<0.94	--	--	--	--	--	--	**48**	**48**
9325-EX-E-16	16	03/27/13	**227**	<2.3	<2.3	<2.3	<4.6	<4.6	<46	<2.3	<2.3	<2.3	<2.3	<2.3	--	--
9325-EX-W-16	16	03/27/13	**875**	<2.0	<2.0	<2.0	<4.1	<4.1	<41	<2.0	<2.0	<2.0	<2.0	<2.0	--	--
SB-1	16	02/21/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	<0.0050
SB-2	4	02/20/14	**1.3***	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	<0.0050
	8	02/20/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	<0.0050
	16	02/20/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--
	20	02/20/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--
SB-3	4	02/20/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	<0.0050
	8	02/20/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	<0.0050
	16	02/20/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--
	24	02/20/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--
SB-4	4	02/21/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	<0.0050
	8	02/21/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	<0.0050
	16	02/21/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--
	20	02/21/14	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	--	--	--	--	--	--	--

Explanation

TPHd = Total petroleum hydrocarbons as diesel (C10-C28)
BTEX = Benzene, toluene, ethylbenzene, and xylenes
MTBE = Methyl tertiary butyl ether
TBA=Tertiary butyl alcohol
DIPE =Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA=1,2-Dichloroethane
EDB = 1,2-Dibromoethane
mg/Kg = milligrams per kilogram
SP = Stockpiled overburden
-- = not analyzed
* Discrete peaks in diesel range, atypical for diesel fuel

Analytical Laboratory (2013)

Northern California Accutest Laboratories (08258CA)

Analytical Methods (2013)

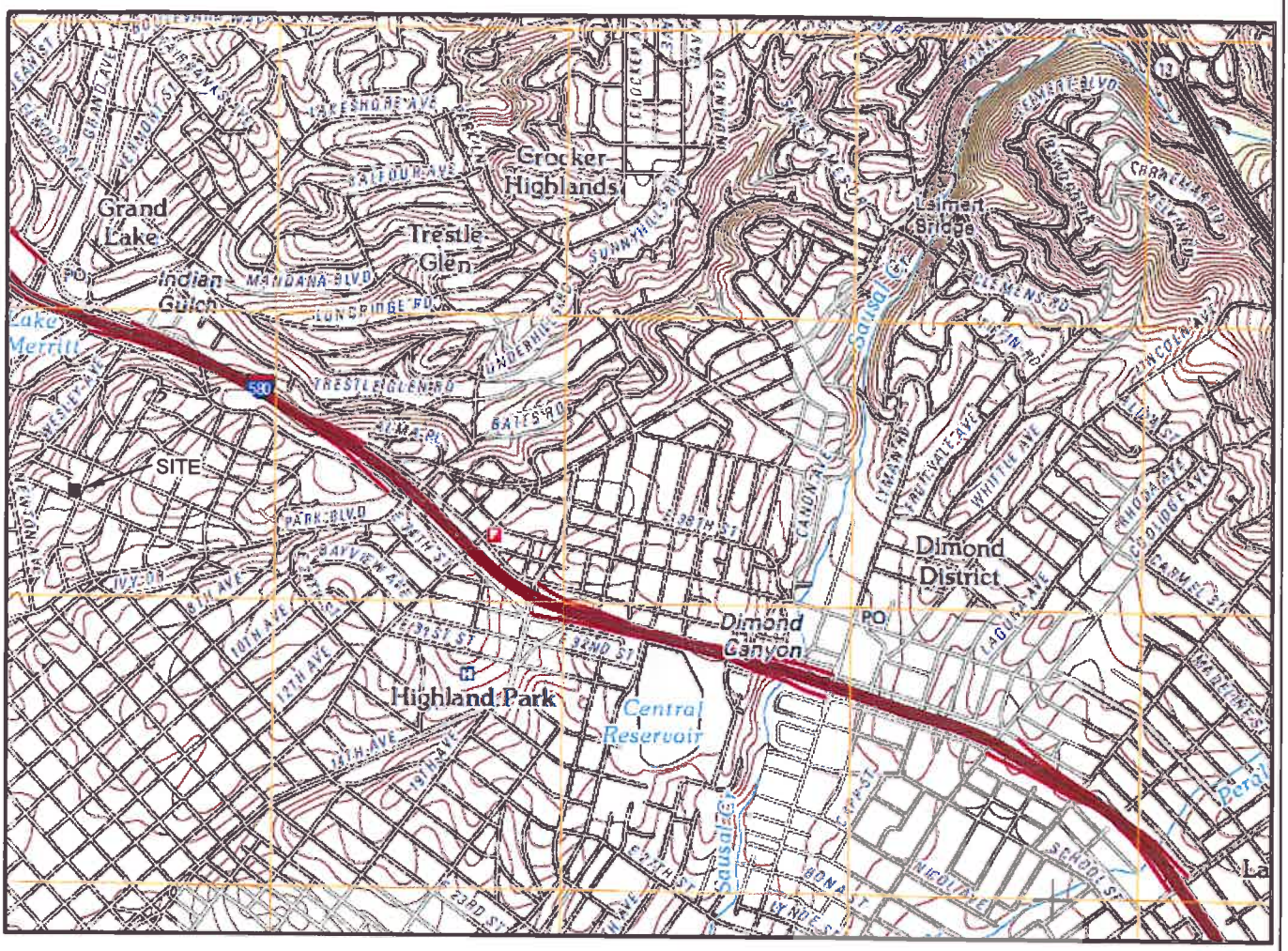
TPHd analyzed using EPA Method SW846 8015B
BTEX, MTBE, TBA, DIPE, ETBE, TAME, 1,2-DCA, and EDB analyzed using EPA Method SW8260C
Lead analyzed using EPA Method SW846 6010B

Analytical Laboratory (2014)

Kiff Analytical LLC (08263CA)

Analytical Methods (2013)

TPHd analyzed using EPA Method 8015
BTEX, MTBE, and Naphthalene analyzed using EPA Method 8260B



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
OAKLAND EAST, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 2012

QUADRANGLE LOCATION

N

0 2000 FT

SCALE 1:24,000

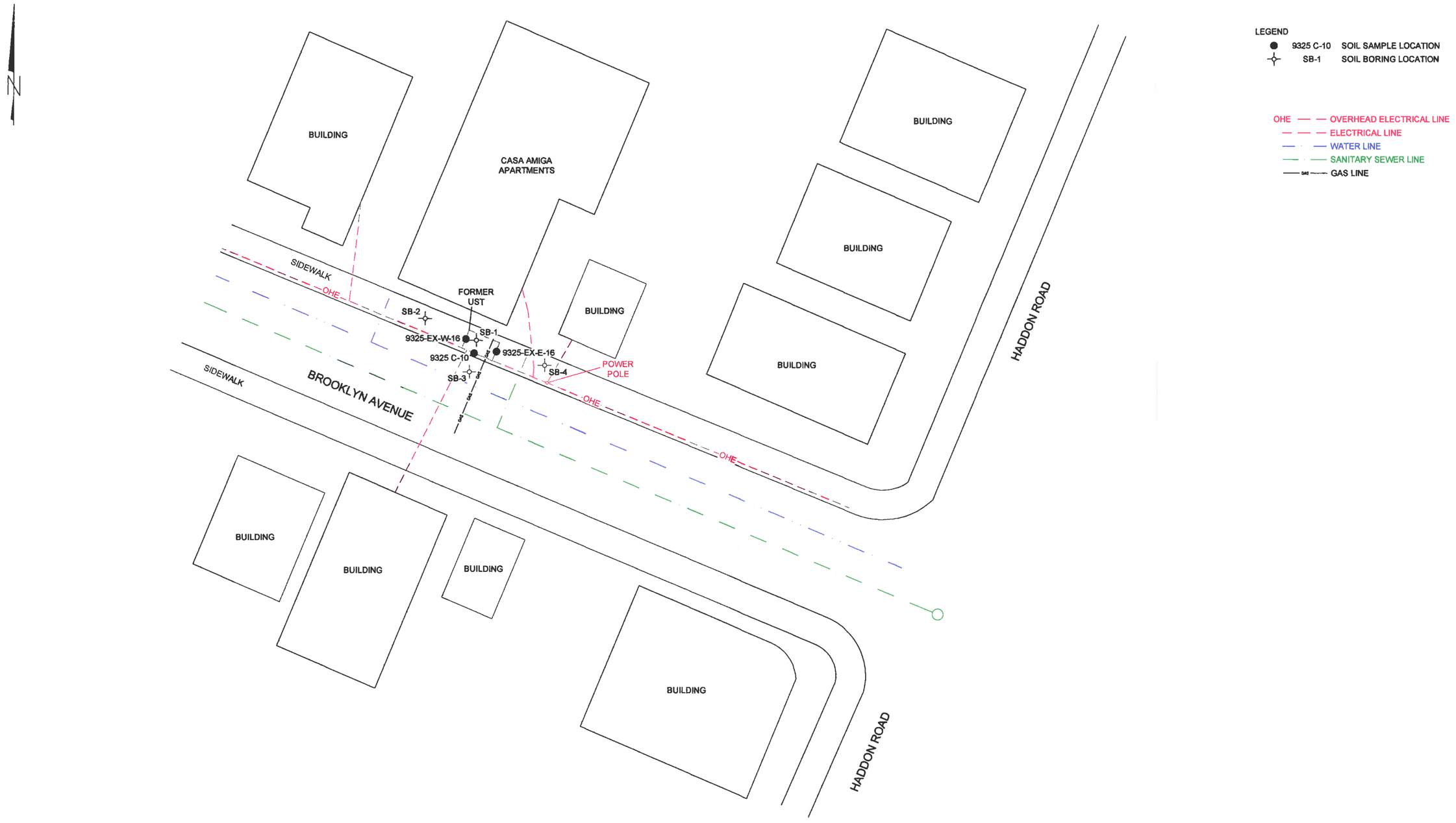
STRATUS ENVIRONMENTAL, INC.

CASA AMIGA APARTMENTS
640 BROOKLYN AVENUE
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1

PROJECT NO.
2185-0640-01



STRATUS ENVIRONMENTAL, INC.

0 30 FT

APPROXIMATE SCALE

CASA AMIGA APARTMENTS
640 BROOKLYN AVENUE
OAKLAND, CALIFORNIA

SITE PLAN

FIGURE
2

PROJECT NO.
2185-0640-01

APPENDIX A

PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

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

Application Approved on: 02/19/2014 By jamesy

Permit Numbers: W2014-0162
Permits Valid from 02/20/2014 to 02/21/2014

Application Id: 1392752241413 **City of Project Site:** Oakland
Site Location: Casa Amiga, 640 Brooklyn Ave, Oakland, CA
Project Start Date: 02/20/2014 **Completion Date:** 02/21/2014
Assigned Inspector: Contact Balance Hydrologics, Inc at (510) 473-5663 or acwells@balancehydro.com

Applicant: Stratus - Allan Dudding **Phone:** 530-676-6004
3330 Cameron Park Dr #550, Cameron Park, CA 95682
Property Owner: Jeffrey Jung **Phone:** --
109 Shooting Star Isle, Foster City, CA 94404
Client: ** same as Property Owner **

Total Due: $265.00
Receipt Number: WR2014-0060 **Total Amount Paid:** $265.00
Payer Name : Stratus Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 4 Boreholes
Driller: Woodward - Lic #: 710079 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2014-0162	02/19/2014	05/21/2014	4	2.00 in.	40.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

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. 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.

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. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory

agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

CITY OF OAKLAND

250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Department of Planning and Building
www.oaklandnet.com

PH: 510-238-6402
FAX: 510-238-2959
TDD: 510-238-3254

Permit No: X1400369 Excavation
Permit Issued: 2/14/2014
Job Site: 640 BROOKLYN AVE
Schedule Inspection by calling: [redacted]
Parcel No: 023 041002000
District:
Project Description: 4 SOIL BORINGS LOCATED ON THE SIDEWALK (3) & PARKING LANE (1) IN FRONT OF THE PROPERTY.
Related Permits: OB1400071

	Name	Applicant	Address	Phone	License #
Owner:	JUNG JEFFREY S		109 SHOOTING STAR ISLE FOSTER CITY, CA		
Contractor-Employee:	WOODWARD DRILLING COMPANY INC	X	P O BOX 336 RIO VISTA, CA	7073741410	710079

PERMIT DETAILS: Building/Public Infrastructure/Excavation/NA

General Information

Excavation Type: Private Party
Special Paving Detail Required:
Tree Removal Involved:
Date Street Last Resurfaced:
Holiday Restriction (Nov 1 - Jan 1):
Worker's Compensation Company Name:
Limited Operation Area (7AM-9AM) And (4PM-6PM):
Worker's Compensation Policy #:

Key Dates

Approximate Start Date:
Approximate End Date:

TOTAL FEES TO BE PAID AT ISSUANCE: $0.00

Plans Checked By _____ Date _____
Finalized By _____ Date _____
Permit Issued By CM Date _____

INSPECTION #
510-238-3651

APPLICANT COPY

Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final

Permit No: X1400369 **Parcel No:** 023 041002000 **Job Site:** 640 BROOKLYN AVE

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

CONSTRUCTION LENDING AGENCY DECLARATION

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Section 8172, Civil Code).

Lender's Name _____

Branch Designation _____

Lender's Address _____

WORKERS' COMPENSATION DECLARATION

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

HAZARDOUS MATERIALS DECLARATION

I hereby affirm that the intended occupancy ☐WILL ☐ WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, and 25534 of the Health and Safety Code, as well as filing instructions were made available to you).

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

I hereby agree to save, defend, indemnify and keep harmless the City of Oakland and its officials, officers, employees, representatives, agents, and volunteers from all actions, claims, demands, litigation, or proceedings, including those for attorneys' fees, against the City in consequence of the granting of this permit or from the use or occupancy of the public right-of-way, public easement, or any sidewalk, street or sub-sidewalk or otherwise by virtue thereof, and will in all things strictly comply with the conditions under which this permit is granted I further certify that I am the owner of the property involved in this permit or that I am fully authorized by the owner to access the property and perform the work authorized by this permit.

Name _____

Signature _____

☐ Contractor, or ☐Contractor's Agent Date

NOTICE: No activities related to the approved work, including storage/use of materials, is allowed within the public right-of-way without an encroachment permit. Dust control measures shall be used throughout all phases of construction.

Permits for which no major inspection has been approved within 180 days shall expire by limitation. No refund more than 180 days after expiration or final.

CITY OF OAKLAND

250 FRANK H. OGAWA PLAZA ▪ 2ND FLOOR ▪ OAKLAND, CA 94612

Department of Planning and Building
www.oaklandnet.com

PH: 510-238-6402
FAX: 510-238-2959
TDD: 510-238-3254

Permit No: OB1400071 Obstruction

Permit Issued: 2/14/2014

Job Site: 640 BROOKLYN AVE

Schedule Inspection by calling: 510-238-3444

Parcel No: 023 041002000

District:

Project Description: 75 FEET OF SIDEWALK CLOSURE PER TSD14-0024

4 SOIL BORINGS LOCATED ON THE SIDEWALK (3) & PARKING LANE (1) IN FRONT OF THE PROPERTY.

Related Permits: X1400369

	Name	Applicant	Address	Phone	License #
Owner:	JUNG JEFFREY S		109 SHOOTING STAR ISLE FOSTER CITY, CA		
Contractor-Employee:	WOODWARD DRILLING COMPANY INC	X	P O BOX 336 RIO VISTA, CA	7073741410	710079

PERMIT DETAILS: Building/Public Use/Activity/Obstructions

Work Information

Start Date: 02/20/2014
End Date: 02/21/2014

Obstruction Permit Type: Short Term (Max 14 Days)
Number of Meters (Metered Area):
Length Of Obstruction (Unmetered Area):

Traffic Control Plan (TCP) to be approved every 30 days by PWA Transportation Services or whenever there is any deviation from previously approved TCP.

TOTAL FEES TO BE PAID AT ISSUANCE: $0.00

Plans Checked By _____ Date _____ Finalized By _____ Date _____

Permit Issued By _____ Date 2/14/14

APPLICANT COPY

APPENDIX B

BORING LOGS

SOIL BORING LOG

Boring No. SB-1 **Sheet: 1 of 1**

Client	Casa Amiga	Date	February 21, 2014
Address	640 Brooklyn Avenue	Drilling Co.	Woodward Drilling Company rig type: Powerprobe
	Oakland, California	Driller	Sean
Project No.	2185-0640-01	Method	Direct-Push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	4-foot long x 1.5-inch diameter acetate sample liner

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					1		Concrete sidewalk at surface; boring hand-cleared to 4 feet bgs.	
					2			
					3			
					4			
					5		No recovery - Gravel backfill.	
					6			
					7			
					8			
					9			
					10			
					11			
					12			
					13			
					14	CH	Fat Clay, CH, olive brown, high plasticity, 100% clay, trace silt.	
					15			
S	SB-1-16		1205		16			0
					17			
					18			
					19			
					20		No sample - broken acetate sampler.	0

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart. Refusal at 20 feet bgs.

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG

Boring No. SB-2 **Sheet: 1 of 1**

Client	Casa Amiga	Date	February 20, 2014
Address	640 Brooklyn Avenue	Drilling Co.	Woodward Drilling Company rig type: Powerprobe
	Oakland, California	Driller	Sean
Project No.	2185-0640-01	Method	Direct-Push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	4-foot long x 1.5-inch diameter acetate sample liner

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					1	CL	Concrete sidewalk at surface; boring hand-cleared to 4 feet bgs.	
					2		Silty Clay, CL, dark yellowish brown, moist, low plasticity, 60% clay, 40% silt.	
					3			
					4			
S	SB-2-4		1350		5			
					6			
					7			
S	SB-2-8		1355		8			
					9			
					10	ML	Clayey Silt, ML, dark yellowish brown, moist, non-plastic, 70% silt, 30% clay.	
					11	CL		
S	SB-2-12		1400		12		Silty Clay, CL, dark yellowish brown, moist, low plasticity, 60% clay, 40% silt.	
					13			
					14	SC		
					15		Clayey Sand, SC, dark yellowish brown, moist, 60% fine sand, 30% clay, 10% fine gravel.	
S	SB-2-16		1440		16	CL	Silty Clay, CL, dark yellowish brown, moist, 60% clay, 40% silt, trace fine sand.	
					17			
					18			
					19			
S	SB-2-20		1510		20		3 inch layer of Clayey Sand.	

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart. Refusal at 20 feet bgs.

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG

Boring No. SB-3 **Sheet: 1 of 2**

Client	Casa Amiga	Date	February 20, 2014
Address	640 Brooklyn Avenue	Drilling Co.	Woodward Drilling Company rig type: Powerprobe
	Oakland, California	Driller	Sean
Project No.	2185-0640-01	Method	Direct-Push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	4-foot long x 1.5-inch diameter acetate sample liner

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					1	CL	Asphalt pavement at surface; boring hand-cleared to 4 feet bgs.	
					2		Silty Clay with sand, CL, dark yellowish brown, moist, low plasticity, 50% clay, 30% silt, 20% fine sand.	
					3			
					4			
S	SB-3-4		1120		5			0
					6			
					7			
S	SB-3-8		1125		8	CL	Clay, some silt, CL, olive brown, moist, medium plasticity, 80% clay, 20% silt.	0
					9			
					10	CH	Fat Clay, CH, olive brown, moist, high plasticity, 95% clay, 5% silt.	
					11			
S	SB-3-12		1150		12			0
					13			
					14			
					15			
S	SB-3-16		1200		16			0
					17			
					18			
					19			
S	SB-3-20		1220		20	CL	Silty Clay, CL, dark yellowish brown, moist, low plasticity, 60% clay, 40% silt.	0

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart.

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. SB-3** **Sheet: 2 of 2**

Client	Casa Amiga	Date	February 20, 2014
Address	640 Brooklyn Avenue	Drilling Co.	Woodward Drilling Company rig type: Powerprobe
	Oakland, California	Driller	Sean
Project No.	2185-0640-01	Method	Direct-Push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	4-foot long x 1.5-inch diameter acetate sample liner

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					21	CL	Silty Clay, CL, dark yellowish brown, moist, medium plasticity, 70% clay, 30% silt.	
					22			
					23			
S	SB-3-24		1235		24			0
					25			
					26			
					27			
					28			
					29			
					30			
					31			
					32			
					33			
					34			
					35			
					36			
					37			
					38			
					39			
					40			

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart. Refusal at 24 feet bgs.

STRATUS
ENVIRONMENTAL, INC.

SOIL BORING LOG

Boring No. SB-4 **Sheet: 1 of 1**

Client	Casa Amiga	Date	February 21, 2014
Address	640 Brooklyn Avenue	Drilling Co.	Woodward Drilling Company rig type: Powerprobe
	Oakland, California	Driller	Sean
Project No.	2185-0640-01	Method	Direct-Push Hole Diameter: 2.5 inches
Logged By:	Allan Dudding	Sampler:	4-foot long x 1.5-inch diameter acetate sample liner

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
					1	CL	Concrete sidewalk at surface; boring hand-cleared to 4 feet bgs.	
					2		Silty Clay, CL, dark yellowish brown, moist, medium plasticity, 70% clay, 30% silt.	
					3			
					4			
S	SB-4-4		1000		5			0
					6			
					7			
S	SB-4-8		1005		8			0
					9			
					10	CH	Fat Clay, CH, dark yellowish brown, moist, high plasticity, 95% clay, 5% silt.	
					11			
S	SB-4-12		1010		12			0
					13			
					14			
					15	CL	Silty Clay, CL, olive brown, moist, 70% clay, 30% silt.	
S	SB-4-16		1015		16	ML	Clayey Silt, ML, olive brown, moist, low plasticity, 60% silt, 40% clay.	0
					17	CL	Silty Clay, CL, olive brown, moist, 70% clay, 30% silt.	
					18			
					19			
S	SB-4-20		1023		20	CH	Fat Clay, CH, olive brown, moist, high plasticity, 100% clay, trace silt.	0

Recovery
Sample

Comments: Color descriptions from Munsell Color Chart. Refusal at 20 feet bgs.

STRATUS ENVIRONMENTAL, INC.

APPENDIX C

WASTE DISPOSAL MANIFEST

IWM, Inc.

INTEGRATED WASTESTREAM MANAGEMENT, INC.
1945 CONCOURSE DRIVE, SAN JOSE, CA 95131
PHONE: 408.433.1990 FAX: 408.433.9521

CERTIFICATE OF DISPOSAL

Generator Name:	Casa Amiga Apartments	Facility Name:	Casa Amiga Apartments
Address:	640 Brooklyn Avenue	Address:	640 Brooklyn Avenue
	Oakland,CA		Oakland,CA
Contact:	Jefferey Jung	Facility Contact:	Allan Dudding
Phone:		Phone:	530-676-2064

IWM Job #:	Bella 2254
Description of Waste:	1 Drum(s) of
	Non-Hazardous
	Solids
Removal Date:	2-27-14
Ticket #:	RSVRL02272014

Transporter Information

Name:	IWM, Inc.
Address:	1945 Concourse Drive
	San Jose, CA 95131
Phone:	(408) 433-1990

Disposal Facility Information

Name:	Republic Services Vasco Road Landfill
Address:	4001 N. Vasco Road
	Livermore, CA 94550
Phone:	(925) 447-0491

IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

William T. DeLon William T. DeLon — 2-27-14

Authorized Representative (Print Name and Signature) — Date

APPENDIX D

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Laboratory Results

Trevor Hartwell
Stratus Environmental, Inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682

Subject : 13 Soil Samples and 1 Water Sample
Project Name : Casa Amiga
Project Number : 2185-0640-01

Dear Mr. Hartwell,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC.
Kiff Analytical, LLC is certified by the State of California under the Environmental Laboratory Accreditation Program (ELAP), lab number 08263CA.
If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy D. Turpen

Troy Turpen

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Subject : 13 Soil Samples and 1 Water Sample
Project Name : Casa Amiga
Project Number : 2185-0640-01

Case Narrative

The analysis provided is not consistent with the Chain of Custody at the request of the client.

All soil samples were reported on a total weight (wet weight) basis.

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-3-4** Matrix : Soil Lab Number : 87494-01
Sample Date :02/20/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:24
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:24
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:24
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:24
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:24
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:24
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	02/25/14 19:24
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/25/14 19:24
4-Bromofluorobenzene (Surr)	87.2		% Recovery	EPA 8260B	02/25/14 19:24
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 14:48
Octacosane (Diesel Surrogate)	92.2		% Recovery	M EPA 8015	02/28/14 14:48

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-3-8** Matrix : Soil Lab Number : 87494-02
Sample Date :02/20/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:58
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:58
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:58
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:58
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:58
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 19:58
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	02/25/14 19:58
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	02/25/14 19:58
4-Bromofluorobenzene (Surr)	86.3		% Recovery	EPA 8260B	02/25/14 19:58
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 16:37
Octacosane (Diesel Surrogate)	89.8		% Recovery	M EPA 8015	02/28/14 16:37

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-3-16** Matrix : Soil Lab Number : 87494-03
Sample Date :02/20/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 20:31
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 20:31
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 20:31
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 20:31
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 20:31
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	02/25/14 20:31
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	02/25/14 20:31
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 17:06
Octacosane (Diesel Surrogate)	87.2		% Recovery	M EPA 8015	02/28/14 17:06

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-3-24** Matrix : Soil Lab Number : 87494-04
Sample Date :02/20/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:05
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:05
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:05
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:05
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:05
1,2-Dichloroethane-d4 (Surr)	99.4		% Recovery	EPA 8260B	02/25/14 21:05
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	02/25/14 21:05
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 17:36
Octacosane (Diesel Surrogate)	89.5		% Recovery	M EPA 8015	02/28/14 17:36

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-2-4** Matrix : Soil Lab Number : 87494-05
Sample Date :02/20/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:44
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:44
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:44
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:44
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:44
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 21:44
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	02/25/14 21:44
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	02/25/14 21:44
4-Bromofluorobenzene (Surr)	85.6		% Recovery	EPA 8260B	02/25/14 21:44
TPH as Diesel	**1.3**	1.0	mg/Kg	M EPA 8015	02/28/14 16:57
(Note: Discrete peaks in Diesel range, atypical for Diesel Fuel.)					
Octacosane (Diesel Surrogate)	91.5		% Recovery	M EPA 8015	02/28/14 16:57

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-2-8** Matrix : Soil Lab Number : 87494-06
Sample Date :02/20/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:24
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:24
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:24
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:24
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:24
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:24
1,2-Dichloroethane-d4 (Surr)	110		% Recovery	EPA 8260B	02/25/14 22:24
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	02/25/14 22:24
4-Bromofluorobenzene (Surr)	84.9		% Recovery	EPA 8260B	02/25/14 22:24
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 17:32
Octacosane (Diesel Surrogate)	98.1		% Recovery	M EPA 8015	02/28/14 17:32

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-2-16** Matrix : Soil Lab Number : 87494-07
Sample Date :02/20/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 14:45
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 14:45
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 14:45
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 14:45
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 14:45
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/25/14 14:45
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	02/25/14 14:45
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 18:07
Octacosane (Diesel Surrogate)	97.0		% Recovery	M EPA 8015	02/28/14 18:07

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-2-20** Matrix : Soil Lab Number : 87494-08
Sample Date :02/20/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:58
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:58
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:58
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:58
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 22:58
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/25/14 22:58
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	02/25/14 22:58
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 18:55
Octacosane (Diesel Surrogate)	98.0		% Recovery	M EPA 8015	02/28/14 18:55

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-4-4** Matrix : Soil Lab Number : 87494-09
Sample Date :02/21/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 23:32
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 23:32
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 23:32
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 23:32
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 23:32
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/14 23:32
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	02/25/14 23:32
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	02/25/14 23:32
4-Bromofluorobenzene (Surr)	85.1		% Recovery	EPA 8260B	02/25/14 23:32
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 19:30
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	02/28/14 19:30

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-4-8** Matrix : Soil Lab Number : 87494-10
Sample Date :02/21/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:05
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:05
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:05
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:05
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:05
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:05
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/26/14 00:05
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	02/26/14 00:05
4-Bromofluorobenzene (Surr)	82.9		% Recovery	EPA 8260B	02/26/14 00:05
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 20:05
Octacosane (Diesel Surrogate)	98.5		% Recovery	M EPA 8015	02/28/14 20:05

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-4-16** Matrix : Soil Lab Number : 87494-11
Sample Date :02/21/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:39
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:39
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:39
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:39
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 00:39
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	02/26/14 00:39
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	02/26/14 00:39
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	03/01/14 01:23
Octacosane (Diesel Surrogate)	91.6		% Recovery	M EPA 8015	03/01/14 01:23

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-4-20** Matrix : Soil Lab Number : 87494-12
Sample Date :02/21/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:13
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:13
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:13
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:13
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:13
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	02/26/14 01:13
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/26/14 01:13
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	03/01/14 00:54
Octacosane (Diesel Surrogate)	92.6		% Recovery	M EPA 8015	03/01/14 00:54

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-1-16** Matrix : Soil Lab Number : 87494-13
Sample Date :02/21/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:47
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:47
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:47
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:47
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:47
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/26/14 01:47
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	02/26/14 01:47
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	02/26/14 01:47
4-Bromofluorobenzene (Surr)	83.2		% Recovery	EPA 8260B	02/26/14 01:47
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/14 18:05
Octacosane (Diesel Surrogate)	93.7		% Recovery	M EPA 8015	02/28/14 18:05

KIFF Analytical LLC

Report Number : 87494
Date : 03/03/2014

Project Name : **Casa Amiga**
Project Number : **2185-0640-01**

Sample : **SB-1** Matrix : Water Lab Number : 87494-14
Sample Date :02/21/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/28/14 02:02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/28/14 02:02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/28/14 02:02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/28/14 02:02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/28/14 02:02
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	02/28/14 02:02
1,2-Dichloroethane-d4 (Surr)	96.3		% Recovery	EPA 8260B	02/28/14 02:02
Toluene - d8 (Surr)	96.4		% Recovery	EPA 8260B	02/28/14 02:02
4-Bromofluorobenzene (Surr)	91.5		% Recovery	EPA 8260B	02/28/14 02:02
TPH as Diesel	**2000**	50	ug/L	M EPA 8015	03/01/14 01:23
Octacosane (Diesel Surrogate)	101		% Recovery	M EPA 8015	03/01/14 01:23

Report Number : 87494

Date : 03/03/2014

QC Report : Method Blank Data

Project Name : **Casa Amiga**

Project Number : **2185-0640-01**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	02/28/2014
Octacosane (Diesel Surrogate)	97.7		%	M EPA 8015	02/28/2014
TPH as Diesel	< 50	50	ug/L	M EPA 8015	02/28/2014
Octacosane (Diesel Surrogate)	99.8		%	M EPA 8015	02/28/2014
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2014
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2014
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2014
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2014
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2014
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	02/25/2014
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	02/25/2014
4-Bromofluorobenzene (Surr)	86.9		%	EPA 8260B	02/25/2014
Toluene - d8 (Surr)	99.6		%	EPA 8260B	02/25/2014
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2014
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2014
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2014
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2014
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2014
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2014
1,2-Dichloroethane-d4 (Surr)	96.9		%	EPA 8260B	02/27/2014
4-Bromofluorobenzene (Surr)	90.5		%	EPA 8260B	02/27/2014
Toluene - d8 (Surr)	97.3		%	EPA 8260B	02/27/2014

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87494

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 03/03/2014

Project Name : **Casa Amiga**

Project Number : **2185-0640-01**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	87494-01	<1.0	20.0	20.0	15.9	15.9	mg/Kg	M EPA 8015	2/28/14	79.9	79.8	0.108	60-140	25
TPH as Diesel	BLANK	<50	1000	1000	1050	1160	ug/L	M EPA 8015	2/28/14	105	116	10.3	70-130	25
Benzene	87494-07	<0.0050	0.0397	0.0392	0.0369	0.0364	mg/Kg	EPA 8260B	2/25/14	92.9	92.7	0.222	70.0-130	25
Ethylbenzene	87494-07	<0.0050	0.0397	0.0392	0.0331	0.0331	mg/Kg	EPA 8260B	2/25/14	83.5	84.4	1.06	70.0-130	25
Methyl-t-butyl ether	87494-07	<0.0050	0.0396	0.0391	0.0404	0.0392	mg/Kg	EPA 8260B	2/25/14	102	100	1.88	60.0-130	25
Naphthalene	87494-07	<0.0050	0.0397	0.0392	0.0422	0.0386	mg/Kg	EPA 8260B	2/25/14	106	98.4	7.72	70.0-130	25
P + M Xylene	87494-07	<0.0050	0.0397	0.0392	0.0335	0.0333	mg/Kg	EPA 8260B	2/25/14	84.4	84.8	0.526	70.0-130	25
Toluene	87494-07	<0.0050	0.0397	0.0392	0.0359	0.0360	mg/Kg	EPA 8260B	2/25/14	90.5	91.7	1.32	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87494

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 03/03/2014

Project Name : **Casa Amiga**

Project Number : **2185-0640-01**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	87511-04	<0.50	40.0	40.0	38.2	37.2	ug/L	EPA 8260B	2/27/14	95.6	93.0	2.82	70.0-130	25
Ethylbenzene														
	87511-04	<0.50	40.0	40.0	40.6	39.4	ug/L	EPA 8260B	2/27/14	102	98.5	3.16	70.0-130	25
Methyl-t-butyl ether														
	87511-04	<0.50	39.9	39.9	34.6	33.4	ug/L	EPA 8260B	2/27/14	86.8	83.9	3.48	70.0-130	25
Naphthalene														
	87511-04	<0.50	40.0	40.0	39.2	39.3	ug/L	EPA 8260B	2/27/14	98.1	98.3	0.216	70.0-130	25
P + M Xylene														
	87511-04	<0.50	40.0	40.0	39.1	38.0	ug/L	EPA 8260B	2/27/14	97.8	94.9	3.06	70.0-130	25
Toluene														
	87511-04	<0.50	40.0	40.0	39.0	37.8	ug/L	EPA 8260B	2/27/14	97.4	94.5	3.10	70.0-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 87494

QC Report : Laboratory Control Sample (LCS)

Date : 03/03/2014

Project Name : **Casa Amiga**

Project Number : **2185-0640-01**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/28/14	81.4	70-130
Benzene	0.0398	mg/Kg	EPA 8260B	2/25/14	93.4	70.0-130
Ethylbenzene	0.0398	mg/Kg	EPA 8260B	2/25/14	84.0	70.0-130
Methyl-t-butyl ether	0.0397	mg/Kg	EPA 8260B	2/25/14	99.5	60.0-130
Naphthalene	0.0398	mg/Kg	EPA 8260B	2/25/14	97.6	70.0-130
P + M Xylene	0.0398	mg/Kg	EPA 8260B	2/25/14	84.6	70.0-130
Toluene	0.0398	mg/Kg	EPA 8260B	2/25/14	91.7	70.0-130
Benzene	39.9	ug/L	EPA 8260B	2/27/14	93.4	70.0-130
Ethylbenzene	39.9	ug/L	EPA 8260B	2/27/14	100	70.0-130
Methyl-t-butyl ether	39.8	ug/L	EPA 8260B	2/27/14	83.9	70.0-130
Naphthalene	39.9	ug/L	EPA 8260B	2/27/14	101	70.0-130
P + M Xylene	39.9	ug/L	EPA 8260B	2/27/14	97.0	70.0-130
Toluene	39.9	ug/L	EPA 8260B	2/27/14	94.7	70.0-130

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 874494

Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Trevor Hartwell	California EDF Report? ☒ Yes ☐ No
Company / Address: Stratus Environmental	Sampling Company Log Code:
Phone Number: 530-676-6004	Global ID: T1000 000 4795
Fax Number: 530-676-6005	EDF Deliverable To (Email Address): thartwell@stratusinc.net
Project #: 2185-06 40-01 / P.O. #:	Bill to:
Project Name: Casa Amiga	Sampler Print Name: Allen Dudding
	Sampler Signature:

Project Address: 640 Brooklyn Ave. Oakland, CA

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	TPH as Heating Oil	Naphthalene			For Lab Use Only
SB-3-4	2/20	1120			X					X		X		X	X								X							X	X			01
SB-3-8	"	1125			"					"		"		"	"								"							"	X			02
SB-3-16	"	1200			"					"		"		"	"								"							"				03
SB-3-24	"	1235			"					"		"		"	"								"							"				04
SB-2-4	"	1350			"					"		"		"	"								"							"	X			05
SB-2-8	"	1355			"					"		"		"	"								"							"	X			06
SB-2-16	"	1440			"					"		"		"	"								"							"				07
SB-2-20	"	1510			"					"		"		"	"								"							"				08
SB-4-4	2/21	1000			"					"		"		"	"								"							"	X			09
SB-4-8	2/21	1005			"					"		"		"	"								"							"	X			10

CIRCLE METHOD

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72hr ☒ 1 wk

Relinquished by:	Date	Time	Received by:
	2/24/14	1345	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	022414	1646	Kiff Analytical LLC

Remarks:

Distribution: White - Lab; Pink - Originator
Rev: 060409

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 374494

Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Trevor Hartwell	California EDF Report? ☒ Yes ☐ No
Company / Address: Stratus Environmental	Sampling Company Log Code:
Phone Number: 530-676-6004	Global ID: T1000 0004795
Fax Number: 530-676-6005	EDF Deliverable To (Email Address): thartwell@stratusinc.net
Project #: 2185-0640-01 P.O. #:	Bill to:
Project Name: Casa Nai Amiga	Sampler Print Name: Allan Dudding
	Sampler Signature:

Project Address: 640 Brooklyn Ave. Oakland, CA

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative:	Preservative:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix:	Matrix:	MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	TPH as Gas Heating Oil	Naphthalene				For Lab Use Only
SB-4-16	2/21	1015			X							X				X				X	X							X							X						11
SB-4-20	"	1023			X							X				X				X	X							X							X						12
SB-1-16	"	1205			X							X				X				X	X							X							X	X					13
																																										/
SB-1	2/21	1300	X			X				X		X			X					X	X							X							X	X					14

Relinquished by:	Date 2/24/14	Time 1345	Received by:	Remarks:
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date 022414	Time 1646	Received by Laboratory: MFF Analytical LLC	

Distribution: White - Lab; Pink - Originator
Rev: 060409

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

SRG #: 87494

Sample Receipt	Initials/Date: TJB 022414	Storage Time: 1646	Sample Login	Initials/Date: TJB 022414

TAT: ☒ Standard ☐ Rush ☐ Split ☐ None | Method of Receipt: ☐ Courier ☒ Over-the-counter ☐ Shipped

Temp °C 4.2 ☐ N/A | Therm ID IR-3 | Time 1643 | Coolant present ☒ Yes ☐ No ☐ Water | ☐ Temp Excursion

For Shipments Only: Cooler Receipt Initials/Date/Time: | Custody Seals ☐ N/A ☐ Intact ☐ Broken

Chain-of-Custody:	Yes	No
Is COC present?	X	
Is COC signed by relinquisher?	X	
Is COC dated by relinquisher?	X	
Is the sampler's name on the COC?	X	
Are there analyses or hold for all samples?	X	

Documented on	COC	Labels	Discrepancies:
Sample ID	X	X	
Project ID	X	X	
Sample Date	X	X	
Sample Time	X	X	
Does COC match project history?	☒ N/A	☐ Yes	☐ No

Samples:	N/A	Yes	No
Are sample custody seals intact?	X		
Are sample containers intact?		X	
Is preservation documented?		X	
In-house Analysis:	**N/A**	**Yes**	**No**
Are preservatives acceptable?		X	
Are samples within holding time?		X	
Are sample container types correct?		X*	
Is there adequate sample volume?		X	

Comments: * Extra atypical container (50ml Amber) was received for sample -14. TJB 022414 1702

Receipt Details:

Matrix	Container Type	# of Containers
SO	Sleeve	13
WA	VOA	5
WA	Glass (Amber)	1

CS Required: ☐

Proceed With Analysis: ☐ YES ☐ NO Init/Date: SMF 022614

Client Communication: Spoke to Trevor Hartwell of Stratus about heating oil. It is the same as diesel #2, which has already been requested. We will not analyze these samples for heating oil, just diesel. SMF 2/26/14.

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	EDF
Report Title:	Soil and Groundwater Assessment
Report Type:	Site Assessment Report
Facility Global ID:	T10000004795
Facility Name:	CASA AMIGA APARTMENTS
File Name:	EDF_CasaAmiga_87494.ZIP
Organization Name:	Stratus Environmental, Inc.
Username:	STRATUS NOCAL
IP Address:	50.192.223.97
Submittal Date/Time:	3/19/2014 9:58:16 AM
Confirmation Number:	5552094936

VIEW QC REPORT

VIEW DETECTIONS REPORT

APPENDIX E

LTCP CLOSURE CHECKLIST

Site Name: Casa Amiga Apartments
Site Address: 640 Brooklyn Avenue, Oakland, CA

Site meets the criteria of the Low-Threat Underground Storage Tank (UST) Case Closure Policy as described below.[1]

General Criteria General criteria that must be satisfied by all candidate sites:	
Is the unauthorized release located within the service area of a public water system?	☒ Yes ☐ No
Does the unauthorized release consist only of petroleum?	☒ Yes ☐ No
Has the unauthorized ("primary") release from the UST system been stopped?	☒ Yes ☐ No
Has free product been removed to the maximum extent practicable?	☐ Yes ☐ No ☒ NA
Has a conceptual site model that assesses the nature, extent, and mobility of the release been developed?	☐ Yes ☒ No
Has secondary source been removed to the extent practicable?	☒ Yes ☐ No
Has soil or groundwater been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15?	☒ Yes ☐ No
Does nuisance as defined by Water Code section 13050 exist at the site?	☐ Yes ☒ No
Are there unique site attributes or site-specific conditions that demonstrably increase the risk associated with residual petroleum constituents?	☐ Yes ☒ No
Media-Specific Criteria Candidate sites must satisfy all three of these media-specific criteria: **1. Groundwater:** To satisfy the media-specific criteria for groundwater, the contaminant plume that exceeds water quality objectives must be stable or decreasing in areal extent, and meet all of the additional characteristics of one of the five classes of sites:	
Is the contaminant plume that exceeds water quality objectives stable or decreasing in areal extent?	☐ Yes ☐ No ☒ NA
Does the contaminant plume that exceeds water quality objectives meet all of the additional characteristics of one of the five classes of sites? If YES, check applicable class: ☐ **1** ☐ **2** ☐ **3** ☐ **4** ☐ **5**	☐ Yes ☐ No ☒ NA

[1] Refer to the Low-Threat Underground Storage Tank Case Closure Policy for closure criteria for low-threat petroleum UST sites.

Site Name: Casa Amiga Apartments
Site Address: 640 Brooklyn Avenue, Oakland, CA

For sites with releases that have not affected groundwater, do mobile constituents (leachate, vapors, or light non-aqueous phase liquids) contain sufficient mobile constituents to cause groundwater to exceed the groundwater criteria?	☐ Yes ☒ No ☐ NA
2. Petroleum Vapor Intrusion to Indoor Air: The site is considered low-threat for vapor intrusion to indoor air if site-specific conditions satisfy all of the characteristics of one of the three classes of sites (a through c) or if the exception for active commercial fueling facilities applies. **Is the site an active commercial petroleum fueling facility?** Exception: Satisfaction of the media-specific criteria for petroleum vapor intrusion to indoor air is not required at active commercial petroleum fueling facilities, except in cases where release characteristics can be reasonably believed to pose an unacceptable health risk. **a. Do site-specific conditions at the release site satisfy all of the applicable characteristics and criteria of scenarios 1 through 3 or all of the applicable characteristics and criteria of scenario 4?** If YES, check applicable scenarios: ☐ **1** ☐ **2** ☒ **3** ☐ **4** **b. Has a site-specific risk assessment for the vapor intrusion pathway been conducted and demonstrates that human health is protected to the satisfaction of the regulatory agency?** **c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that petroleum vapors migrating from soil or groundwater will have no significant risk of adversely affecting human health?**	☐ Yes ☒ No ☒Yes ☐ No ☐ NA ☐ Yes ☒ No ☐ NA ☐ Yes ☐ No ☒ NA
3. Direct Contact and Outdoor Air Exposure: The site is considered low-threat for direct contact and outdoor air exposure if site-specific conditions satisfy one of the three classes of sites (a through c). **a. Are maximum concentrations of petroleum constituents in soil less than or equal to those listed in Table 1 for the specified depth below ground surface (bgs)?** **b. Are maximum concentrations of petroleum constituents in soil less than levels that a site specific risk assessment demonstrates will have no significant risk of adversely affecting human health?** **c. As a result of controlling exposure through the use of mitigation measures or through the use of institutional or engineering controls, has the regulatory agency determined that the concentrations of petroleum constituents in soil will have no significant risk of adversely affecting human health?**	☒ Yes ☐ No ☐ NA ☒ Yes ☐ No ☐ NA ☒ Yes ☐ No ☐ NA