RECEIVED
By Alameda County Environmental Health at 1:20 pm, Jun 12, 2013

June 3, 2013

Ms. Karel Detterman
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject: **Site Conceptual Model and Data Gap Work Plan**
City of Alameda Maintenance Services Facility - Fuel Leak
Case No. RO0003011 and Geo Tracker Global ID T010000001614
1616 Fortmann Way
Alameda, California
AMEC Project No. OD13164610

Dear Ms. Detterman:

AMEC Environment & Infrastructure (AMEC) is providing the *Site Conceptual Model and Data Gap Work Plan* for your review. This work plan was prepared to fulfill the requirements of the Alameda County Department of Environmental Health requests of October 12, 2012 and May 8, 2013.

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

Yours very truly,

Jesse Barajas
City of Alameda
Public Works Department

June 3, 2013

Project OD13164610

Ms. Karel Detterman
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject **Site Conceptual Model and Data Gap Work Plan**
City of Alameda Maintenance Services Facility - Fuel Leak
Case No. RO0003011 and Geo Tracker Global ID T010000001614
1616 Fortmann Way
Alameda, California

Dear Ms. Detterman:

On behalf of the City of Alameda Public Works Department (the City), AMEC Environment & Infrastructure, Inc. (AMEC) has prepared this Site Conceptual Model (SCM) and Data Gap Work Plan for the City of Alameda Maintenance Services facility located at 1616 Fortmann Way in Alameda, California (the Site; Figure 1). This request was detailed in the Alameda County Environmental Health Department's letter to the City dated October 12, 2012 and in your May 8, 2013 e-mail request to the City. This letter presents the current SCM, identifies data gaps and presents the plan for addressing the identified data gaps.

BACKGROUND

On March 5, 2009, the City experienced an overfill of an onsite diesel tank. It was estimated that approximately 200 gallons of diesel spilled to the asphalt and cement surface from an overfill pipe that emanated from the Maintenance Building Roof. The City subsequently contacted NRC Environmental Services (NRC) to respond to the incident and under the direction of the City; NRC staff decontaminated the building roof, gutters, and sides and cleaned out sumps, street sidewalks, gutters, and the City's fueling distribution area and equipment parking lot. Based on inspections completed by NRC during the cleanup, no diesel made it to the storm drains and based on the volume of fluids collected during the cleanup process, it was determined that entire quantity of the released diesel fuel was captured. The NRC Environmental Spill Report and cleanup and disposal documentation was provided to the County in a letter dated November 19, 2012 and is also included as Appendix A.

SCOPE OF WORK

Site Conceptual Model

The SCM was developed to describe AMEC's current understanding of the Site conditions and was used to compile, integrate, and interpret available relevant site information and environmental data that will be necessary to meet the following objectives: document historical

AMEC Environment & Infrastructure, Inc.
1465 North McDowell Boulevard, Suite 200
Petaluma, California 94954
USA
Tel (707) 793-3800
Fax (707) 793-3900
amec.com

operations at the Site, identify potential source areas, provide a summary of hydrogeologic conditions, assess transport mechanisms, evaluate exposure pathways and receptors, and identify data gaps.

Site Information and Historical Operations

The site serves as the City of Alameda's Public Works Maintenance Yard which maintains several underground storage tanks. With the exception of the March 5, 2009 surface release, no other releases have occurred at the facility and there are no prior investigation activities.

Nature and Extent of Contamination

As discussed above, the City experienced an overfill of an onsite diesel tank in March 2009. It was estimated that approximately 200 gallons of diesel spilled to the asphalt and cement surface. The release emanated from the overfill pipe located on the Maintenance Building roof. The released fuel then spilled down the building roof, gutters, and sides before flowing to the City's fueling distribution area and equipment parking lot, and street sidewalks and gutters. As detailed on Figure 2, the release impacted two surface areas; one rectangular area measuring approximately 200 feet long by 40 feet long on the south side of the building and a second irregular shaped area (approximately 80 feet long by 50 feet wide) on the north side of the building. The surface in both spill areas consisted of a combination of asphalt and cement; the spill did not impact bare soil.

Site Geology and Hydrogeology

No previous subsurface investigations have been conducted at the Site; therefore, Site specific geology and hydrogeology is not available and the ensuing discussion is based on review of hydrogeologic information for nearby sites that was acquired from Geotracker and is expected to be similar to subsurface site conditions.

The lithology beneath the Site is expected to be underlain by sandy clay to depths between four and six feet below ground surface (bgs). Silty sand and sand with interspersed clay layers are expected to be present below the sandy clay unit. Based on review of local hydrogeologic information, groundwater is expected to be encountered at depths between three and six feet and potentially may be under hydraulic head. Groundwater flow direction is expected to be west-northwest.

Potential Receptors and Risks and Assessment of Transport Mechanisms

The primary transport mechanism/pathway for the diesel release was through cracks and joints in the surrounding asphalt and cement surface and its potential to infiltrate to underlying soil and groundwater. It is AMEC's opinion that based on the rapid response for the cleanup, the limited volume of the release, and the moderate to good condition of the asphalt and cement surface, that little if any infiltration to the subsurface occurred.

Based on present Site conditions and land uses, the potential petroleum hydrocarbon exposure pathways that may lead to a health risk include ingestion of and dermal contact with soil during soil disturbance activities and potential inhalation of vapor from diesel volatilizing from the soil. Because no soil is exposed at the Site, the potential for dermal contact is considered unlikely. Although the maintenance building is adjacent to the spill area, indoor air is not considered a concern due to the non-volatile nature of diesel fuel and the limited duration of the release which minimized migration of the release through the asphalt/cement surface to the underlying soil.

Based on the existing site use, a commercial/industrial worker is the only potential receptor. There are no surface water bodies located immediately adjacent to the Site and no known domestic or municipal supply wells are located on the Site. The nearest surface water body is the Oakland Inner Harbor approximately 400 feet west of the Site (Figure 1).

An evaluation of petroleum hydrocarbons concentrations with their respective preliminary remediation goals (PRGs) or screening levels has not been completed because investigation activities have not been completed for the release area. Upon completion of the investigation activities discussed below, diesel concentrations will be compared against the Environmental Screening Level (ESL) for total petroleum hydrocarbons as diesel (TPHd) developed by the San Francisco Bay Regional Water Quality Control Board. A PRG for TPHd has not been developed.

Based on the Sites' location relative to the Oakland Inner Harbor, groundwater at the Site appears to be of no beneficial use due to high total dissolved solids that are characteristic of groundwater in the Site vicinity and low production. Further, the absence of agriculture or heavy industry in the vicinity of the Site, as well as the availability of municipal water, negates the need for Site groundwater for beneficial use.

Data Gaps

Previous investigations relative to the surface release have not been conducted. Therefore, the data gap is the lack of site specific subsurface geology/hydrologic information or soil chemical information relative to the presence of a release below the cement and asphalt surface. AMEC will conduct a shallow soil investigation to determine if the spill impacted soil below the asphalt and cement surfaces. The proposed investigation to address this data gap is presented below.

Data Gap Work Plan

Based on previous site cleanup work and the extent of the surface spill, AMEC recommends the installation of soil borings in the spill areas. Soil samples will be collected from the soil borings to determine if the spill impacted soil below the asphalt and cement surfaces. If results indicate the release has impacted soil, AMEC will assess the magnitude of the release and evaluate whether additional characterization or cleanup is warranted.

Task 1 – Pre-field Activities

AMEC will prepare a site specific Health and Safety Plan (HASP) for the work proposed at the site in accordance with the requirements of the State of California General Industry Safety Order 5192 and Title 29 of the Code of Federal Regulations, Section 1910.120 (29 CFR 1910.120). A copy of the health and safety plan will be kept onsite during field activities. The HASP will detail the work to be performed, safety precautions, emergency response procedures, nearest hospital information, and onsite personnel responsible for managing emergency situations.

AMEC will obtain the appropriate boring permit from the Alameda County Public Works Agency (County) and schedule a C-57 licensed drilling contractor to install the boreholes. Underground Service Alert will be contacted at least 48 hours prior to the commencement of drilling activities, as required by law. AMEC will also contract a professional utility locating service to attempt to identify the location of underground utilities in the vicinity of proposed boring locations. If the planned location of a borehole is within the 5-feet of an identified underground utility, the borehole location will be relocated in the field.

Task 2 - Exploratory Borings

The purpose of the field activities is to investigate soil quality in the area of the spill to identify whether soil was impacted by the spill. It will also evaluate the potential depth of impact to five feet bgs. At this time, AMEC proposes to advance up to 12 borings to five feet bgs to collect discrete soil samples at the locations shown in Figure 2. AMEC's proposed sampling program is based on the location of the spill and the anticipated maximum depth the release could have permeated through the asphalt or joints/cracks in the cement and asphalt before it was cleaned up. The boring locations will be focused on cracks/joints in the asphalt and cement surface.

AMEC will contract with a California licensed (C-57) driller to operate a truck-mounted GeoProbe direct push rig to advance boreholes. Soil cores will be obtained using a macrocore core barrel sampler which is approximately 4 feet long and 2-inches in diameter. The core barrel sampler contains a plastic liner that retains a relatively undisturbed soil core from which soil samples are collected. AMEC proposes to submit two soil samples for laboratory analysis from each borehole. One soil sample will be collected at an approximate depth of two feet bgs (to correspond with the first encountered soil below the asphalt/cement baserock) and a second sample will be collected at five feet bgs. The soil samples submitted for laboratory analyses will be field screened using a photo ionization device (PID) or similar device and physical indications of contamination, if present will be noted.

Each borehole will be continuously cored; and soil cores will be logged for lithology in accordance with the Unified Soil Classification System; at a minimum, soil feature such as, grain size distribution, soil color relative moisture content, competency, and other observable distinguishing characteristics (for example: color changes, debris, rootlets, or odor) will be recorded on field logs. Several samples will be selected from each borehole and placed into a sealed plastic bag for field screening using a PID to check for the presence of volatile organic

vapors that may collect in the headspace of the bag. Field observations will be entered into a field notebook or on a borehole-log sheet.

The selected soil core interval identified for laboratory analysis, will be cut from each plastic liner, sealed with Teflon tape and plastic end caps, labeled with identifying information, and stored in a chilled ice-chest for transportation to the laboratory. Soil samples will be recorded onto a chain-of-custody document that will accompany the samples to the laboratory. The samples will be analyzed U.S. Environmental Protection Agency Method 8015 – Modified for TPH scan for diesel only.

After sampling has been completed, the borings will be filled with neat cement or bentonite grout to the surface. All sampling equipment will be either steam cleaned or washed in a solution of non-phosphate detergent, double rinsed with tap water after each use, and dried. Investigation derived waste will be placed in sealed drums, labeled, and stored onsite pending analytical results.

Task 3 - Reporting

Following completion of the fieldwork and review of the sample analytical results, AMEC will prepare a detailed report summarizing field activities and analytical findings, including boring logs, Site maps, and laboratory analytical reports. Based on the findings of this investigation, recommendations for additional characterization or remediation will be provided, as appropriate. The report will be submitted within 45 days of completing field activities.

If you have any questions or concerns, please call Mr. Lieberman at (707) 793-3858.

Sincerely yours,
AMEC Environment & Infrastructure, Inc.

Gary A. Lieberman
Associate Geology Professional

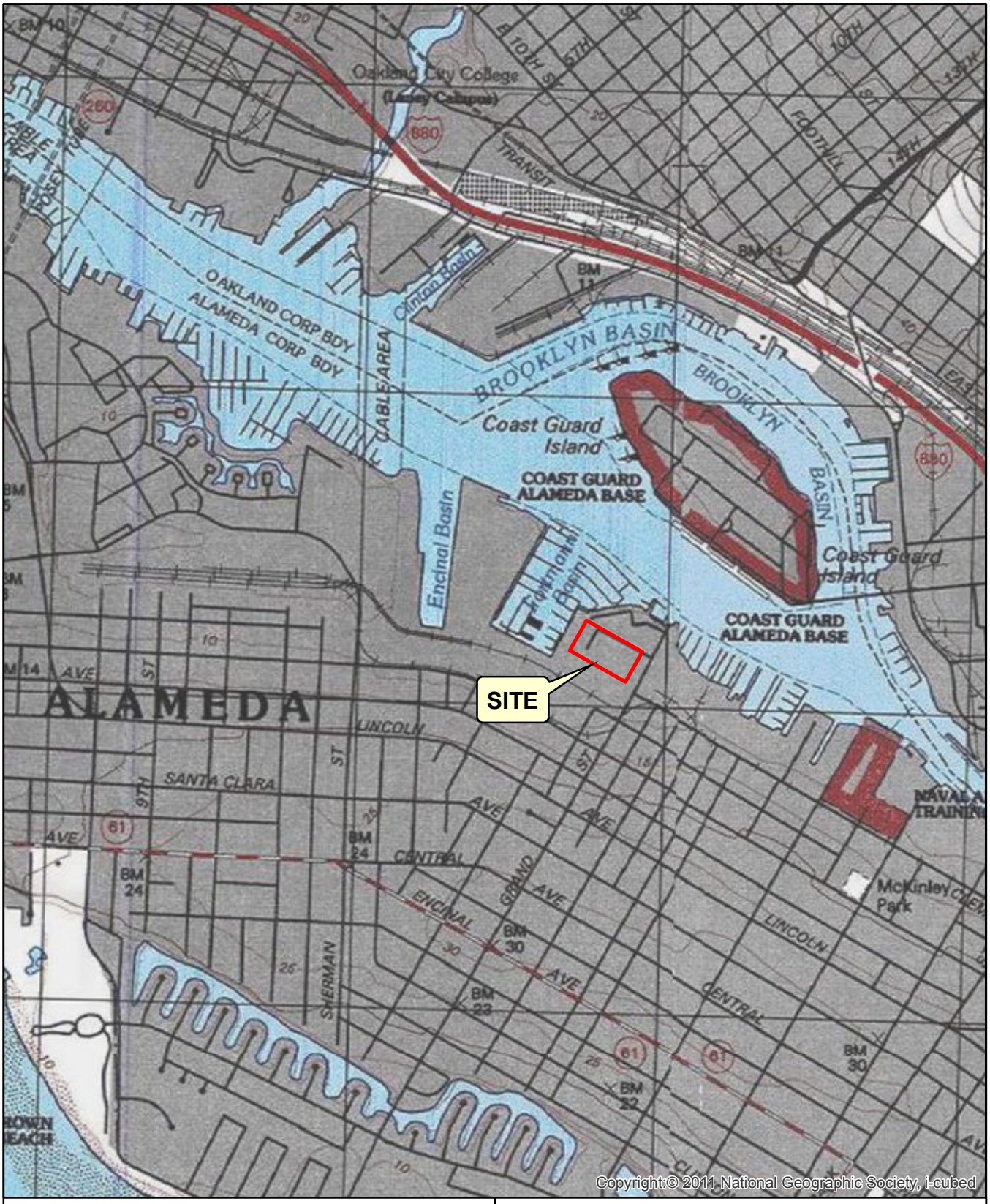
Bethany P. Flynn, P.G 5710
Senior Associate Geologist

GAL/BPF:sac
\\pet-fs1\projects\secretarial\bay area - pet ca\ac alameda county\ac64597_scm work plan.docx

Attachments: Figure 1 - Site and Surrounding Area Map
Figure 2 - Site Map Showing Previous Release and Proposed Borings

Appendix A - NRC Environmental Spill Report and Cleanup and Disposal Documentation

FIGURES



N

1,500 0 1,500

Feet

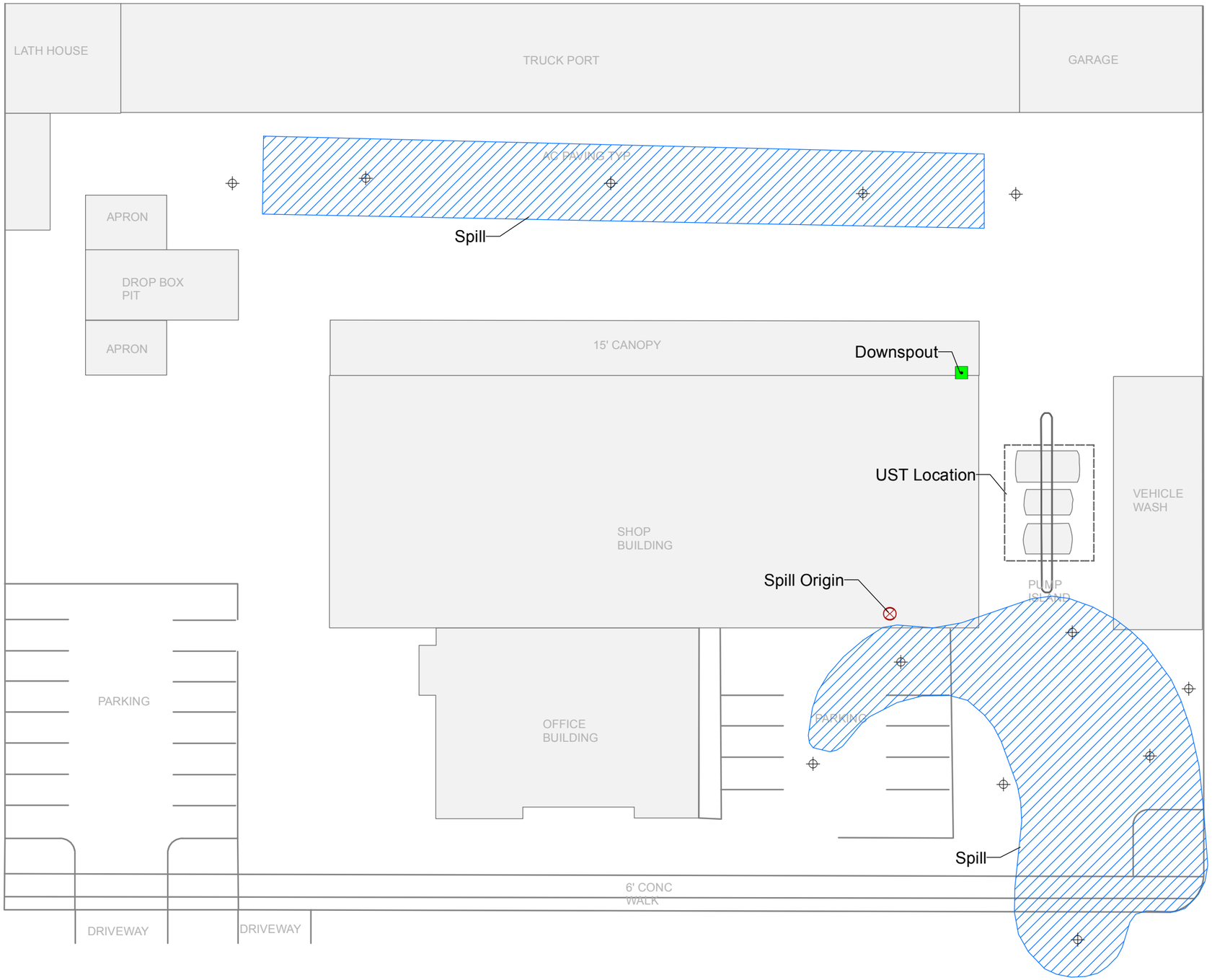
Source: Oakland West and Oakland East Quadrangles (USGS 1:24,000 Sheets)

SITE AND SURROUNDING AREA MAP

City of Alameda Maintenance Services Facility
1616 Fortmann Way
Alameda, California

By: TJH	Date: 05/30/2013	Project No. OD13164610
amec		Figure 1

Thursday, May 30, 2013 3:56:56 PM
P:\OD13164610-City of Alameda\GIS\Figure1-AreaMap.mxd



EXPLANATION

- Proposed Boring Location
- Spill Area

0 30 60

Approximate Scale in Feet

SITE MAP SHOWING PREVIOUS
RELEASE AND PROPOSED BORINGS

City of Alameda Maintenance Services Facility
1616 Fortmann Way
Alameda, California

By: TJH	Date: 05/30/2013	Project No. OD13164610
amec		Figure 2

Thursday, May 30, 2013 3:53:00 PM
P:\OD13164610-City of Alameda\GIS\Figure2.mxd

APPENDIX A

NRC Environmental Spill Report and Cleanup and Disposal Documentation

NRC
ENVIRONMENTAL SERVICES
a SEACOR company

1605 Ferry Point
Alameda, CA 94501
Phone: (510) 749-1390
Fax: (510) 749-4150
www.nrces.com

Emergency Response
1-800-33-SPILL (77455)

SPILL REPORT:

Date 03/05/09

Customer: City of Alameda P.O. # F56309

Customer Rep: Todd Williams Facility Supervisor - phone # 510 -747-7900

Site Name: City of Public Work Maintenance yard - EPA ID # CAL000082284

Site Location: City of Alameda Public Works Maintenance Yard1616 Fortman Way

Site Contact Person: Todd Williams Facility Supervisor Matthew Tunney Fire Chief

Release Material: Diesel (red) from over filled fuel storage tank by Valley Oil Company

09:22 Receive a call from Matthew Tunney Alameda Fire Department

09:27 Receive a call from Bob Buck with Valley Oil Company stating that his driver had over fill a diesel fuel storage tank and that there was a possibility that 200 gallon of diesel had spill on the ground, I then ask Bob if he had a emergency response contract with NRCES he stated he did not think so. I then fax him an emergency response service contract. Fax # 650-967-2288 phone # 650-967-2253

09:45 Tyron Carter arrive at Alameda Public Works Maintenance Yard met with Todd Williams and Matthew Tunney I was then brief on what had happen.

09:55 Walk through of the area where the diesel had spill

10:00 I receive call from Ryan Ward NRCES dispatcher, saying that the driver would be onsite by 10:30 and the rest of the crew by 1300 (no other personal available at this time)

10:25 Ray Campbell NRCES driver arrive on site with 120bbl vacuum truck.

10:35 Tyron Carter and Ray Campbell were requested by fire chief and Todd William to start the clean process at the south side of the maintenance facility to avoid the diesel from going down the storm drain.

12:00 Yuri Trebotich NRCES Heath and Safety Manager, began taking air samples and pictures of the area.

13:30 The rest of the crew arrive onsite at that time Yuri conduct a tailgate safety meeting

13:45 Started the decontamination and cleaning process of the roof, gutters and the sides of the building, clean out all sumps, drum all solid waste and debris, than pressure wash sumps, streets side walks, city trucks and equipment fueling station and the facility equipment parking area.

22:30 Once the final cleaning was completed a walk through of the area was performed with Tyron Carter of NRCES and Todd William of the City Alameda to ensure the area was clean to their specifications.

23:15 Crew return to NRC Alameda Home Base, Waste Material was off- loaded into a transport trailer. For delivery to the designated TDSF, equipment secured, material replenished.

24:00 Operation Completed

Waste Disposal

1. Non RCRA Hazardous Waste , Solids UHWM #00424994 JJK

   (Oily debris) 16 ea 55 gallon drums

   TSDF: Crosby and Overton Inc
   Long Beach Ca 90813 EPA ID # CAD020400010

2. Non RCRA Hazardous Waste Liquids UHWM #004242765 JJK

   (Oily water) 1,013 gallons

   TSDF: Evergreen Oil Inc,
   Newark, Ca 94560 EPA ID # CAD980887418

Tyron Carter
Project Manager

Attachments
Photo CD Job #41344

NRC ENVIRONMENTAL SERVICES

DAILY WORK REPORT

Page 1 of 1

Date: Thur 3-~~12~~ 5-09

Project No.: 41344 TC/

Customer PO/Project No:

Customer: City of Alameda

Work Description: Load out

Customer Phone:

Job Name/Location:

LABOR

Position	Name	EE init.	Start	End	Start	End	ST Hours	OT Hours	DT Hours
#SM	Leonard PoliTO	SP	1130	1400			2.5		

EQUIPMENT

Unit #	Qty	UOM	NRC Equipment

MATERIALS

ID #	Qty	UOM	NRC Material

OTHER *(Add'l Personnel, Add'l Equipment, Add'l Materials, Outside Services, Manifest #, Disposal Info, etc.)*

ID	Description	Qty	UOM
	(TC DK 03-06-09)		

ACKNOWLEDGEMENT

NRC REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

L. PoliTO FAC-Sup

CUSTOMER REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

WHITE - FILE PINK - PAYROLL YELLOW - CUSTOMER

NRC ENVIRONMENTAL SERVICES

DAILY WORK REPORT

Date: 03/05/09

Project No.: (41344)

Customer PO/Project No: C/CLIENT - ATP

Customer: CITY OF ALAMEDA

Work Description: ER RED-DYE DIESEL SPILL CLEAN-UP - ROOFTOP / ASHALT SURFACES / CITY STREET

Customer Phone:

Job Name/Location: MAINT YARD ALAMEDA, CA

LABOR

Position	Name	EE Init.	Start	End	Start	End	ST Hours	OT Hours	DT Hours
PM	TYRON CARTER	TC	0930	2400			5.5	4	5
HS	YURI TREBOTICH	YT	1200	2030			3	4	1.5
TE	SOUK IVANYONC	SI	1330	2400			1.5	4	5
TF	STEVE PARODI	SP	1330	2400			1.5	4	5
AM	CARLOS SANCHEZ	CS	1500	2300				4	4
TE	THOM JAMULA	TJ	1330	2400			1.5	4	5
TE	DOUG SCOTT	DS	1330	2400			1.5	4	5
TE	CHITO SANTOS	CS	1330	2400			1.5	4	5
DR	RAYMOND CAMPBELL	RC	0930	2400			5.5	4	5

EQUIPMENT

Unit #	Qty	UOM	NRC Equipment
1190	1	DAY	PICK-UP F350
1131	1	DAY	HS VEH
1224	1	DAY	GEAR TRUCK
31580	1	DAY	ER TRAILER
1010	1	DAY	PICK-UP TRUCK, F150
1082	1	DAY	PICK-UP TRUCK
1189	1	DAY	PICK-UP TRUCK
2042	14.5	HR	TRACTOR TRUCK
3028	14.5	HR	120 BBL VACT TRUCK
CH	3	25'	2" HOSE / VAC

MATERIALS

ID #	Qty	UOM	NRC Material
9087-1	1	DAY	LIGHTTOWER
BD	1	EA	BARREL DOLLY
700	4	EA	2WAY RADIOS
432	9	SET	LEVEL 'D' PPE
426	9	PAIR	YELLOW TYVEK
407	18	PAIR	LATEX GLOVES
103	1	ROLL	LINERS
601	1	BAG	RAGS
507	3	BAGS	5"X8' ABS. BOOM
9103-11	6	EA	MISC TOOLS

OTHER *(Add'l Personnel, Add'l Equipment, Add'l Materials, Outside Services, Manifest #, Disposal Info, etc.)*

ID	Description	Qty	UOM
	* PRESSURE WASHED ROOFTOP (75' X 100'), PRESSURE WASHED IMPACTED ASHPHALT SURFACE(S) INSIDE YARD COMPLEX, PRESSUREWASHED CITY STREET CURVE ZONE(S). - RECOVERED RINSATE WATER WITH VAC TRUCK UNIT.		
*	SOLIDIFIED RESIDUE IMPACT AREA(S) WITH FLOOR DRY AND TRANSFERRED INTO UN/DOT APPROVED CONTAINER FOR LATER DISPOSAL.		

ACKNOWLEDGEMENT

NRC REPRESENTATIVE SIGNATURE: X Tyron Carter

PRINTED NAME / TITLE: X Tyron Carter

CUSTOMER REPRESENTATIVE SIGNATURE: X Todd Williams

PRINTED NAME / TITLE: X Todd Williams

WHITE - FILE PINK - PAYROLL YELLOW - CUSTOMER

NRC ENVIRONMENTAL SERVICES

DAILY WORK REPORT

Date: 03/05/09

Project No.: (41344)

Customer PO/Project No: C/CLIENT-ATP

Customer: CITY OF ALAMEDA

Work Description: ANNEX —

Customer Phone:

Job Name/Location: MAINT YARD

LABOR

Position	Name	EE init.	Start	End	Start	End	ST Hours	OT Hours	DT Hours

EQUIPMENT

Unit #	Qty	UOM	NRC Equipment
4133	1	EA	DIGITAL CAMERA
80886	1	DAY	LEL/PID METER

MATERIALS

ID #	Qty	UOM	NRC Material
405	9	PAIR	LEATHER GLOVES
603	1	ROLL	DUCT TAPE
RCD	10	EA	TRAFFIC CONES
302	(10)	EA	55G O/T METAL DRUMS
501	8	BAG	FLOOR DRY, ABS. MAT
200	1	GAL	HAND CLEANER
604	1	SP	ROPE
DF	10	GAL	DIESEL FUEL

OTHER *(Add'l Personnel, Add'l Equipment, Add'l Materials, Outside Services, Manifest #, Disposal Info, etc.)*

ID	Description	Qty	UOM
	BULK WASTE WATER M# 004242765 TSDF EVERGREEN OIL INC.	(1013)	GAL

ACKNOWLEDGEMENT

NRC REPRESENTATIVE SIGNATURE: ✗ [signature]

PRINTED NAME / TITLE: ✗ TYRON CURTIS

CUSTOMER REPRESENTATIVE SIGNATURE: ✗ [signature]

PRINTED NAME / TITLE: ✗ Todd Williams

NRC ENVIRONMENTAL SERVICES

DAILY WORK REPORT

Page 1 of 1

Date: 03-06-09

Project No.: 41344

Customer PO/Project No:

Customer: City of Alameda

Work Description: Check supplies and restock ER Trailer

Customer Phone:

Job Name/Location:

LABOR

Position	Name	EE init.	Start	End	Start	End	ST Hours	OT Hours	DT Hours
PM	Tyron Carter	TC	0900	1100			2		

EQUIPMENT

Unit #	Qty	UOM	NRC Equipment

MATERIALS

ID #	Qty	UOM	NRC Material

OTHER *(Add'l Personnel, Add'l Equipment, Add'l Materials, Outside Services, Manifest #, Disposal Info, etc.)*

ID	Description	Qty	UOM

ACKNOWLEDGEMENT

NRC REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

Tyron Carter

CUSTOMER REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

WHITE - FILE PINK - PAYROLL YELLOW - CUSTOMER

NRC ENVIRONMENTAL SERVICES

DAILY WORK REPORT

Page 1 of 1

Date: 03-09-09

Project No.: 41334

Customer PO/Project No:

Customer: City of Alameda

Work Description: Meet with Customer

Customer Phone:

Job Name/Location: Alameda

* Charge to Job only *

LABOR

Position	Name	EE init.	Start	End	Start	End	ST Hours	OT Hours	DT Hours
FS	Tyron Carter	TC	0830	1230			4		

EQUIPMENT

Unit #	Qty	UOM	NRC Equipment

MATERIALS

ID #	Qty	UOM	NRC Material

OTHER *(Add'l Personnel, Add'l Equipment, Add'l Materials, Outside Services, Manifest #, Disposal Info, etc.)*

ID	Description	Qty	UOM

ACKNOWLEDGEMENT

NRC REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

CUSTOMER REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

NRC ENVIRONMENTAL SERVICES

DAILY WORK REPORT

Page 1 of 1

Date: 03-10-09

Project No.:

Customer PO/Project No:

Customer: City of Alameda

Work Description: Waste Pick up

Customer Phone:

Job Name/Location: Alameda

LABOR

Position	Name	EE init.	Start	End	Start	End	ST Hours	OT Hours	DT Hours
FS	Tyron Cartor	TC	0700	1100			4		

EQUIPMENT

Unit #	Qty	UOM	NRC Equipment

MATERIALS

ID #	Qty	UOM	NRC Material

OTHER *(Add'l Personnel, Add'l Equipment, Add'l Materials, Outside Services, Manifest #, Disposal Info, etc.)*

ID	Description	Qty	UOM

ACKNOWLEDGEMENT

NRC REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

CUSTOMER REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

NRC ENVIRONMENTAL SERVICES

DAILY WORK REPORT

Page ____ of ____

Date: 10 March 2009

Project No.: 41334

Customer PO/Project No:

Customer: City of Alameda

Customer Phone:

Job Name/Location: 1616 Fortmann Way

Work Description: Waste Pick-up Manifest, Labeling Transport

LABOR

Position	Name	EE init.	Start	End	Start	End	ST Hours	OT Hours	DT Hours
PB	D. Dell'Osso	DD	15:00	16:00			1		
TD	Mike Lothian	ML	15:00	18:30			3.5		

EQUIPMENT

Unit #	Qty	UOM	NRC Equipment
2098			Hawkeye Box Van.

MATERIALS

ID #	Qty	UOM	NRC Material

OTHER *(Add'l Personnel, Add'l Equipment, Add'l Materials, Outside Services, Manifest #, Disposal Info, etc.)*

ID	Description	Qty	UOM
	004242994 JJK 16 x 55 gl		
	Pick Ups 6 Extra only Debris Drums		

ACKNOWLEDGEMENT

NRC REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

CUSTOMER REPRESENTATIVE SIGNATURE

PRINTED NAME / TITLE

WHITE - FILE PINK - PAYROLL YELLOW - CUSTOMER

NRC ENVIRONMENTAL SERVICES

DAILY WORK REPORT

Page 1 of 1

TC

Date: 3-10-09

Project No.: 41344 (TC)

Customer PO/Project No:

Customer: City of Alameda

Work Description: unload at Evergreen

Customer Phone:

Job Name/Location:

LABOR

Position	Name	EE init.	Start	End	Start	End	ST Hours	OT Hours	DT Hours
DR	Paul Canevaro	PC	0600	930			3.5		

EQUIPMENT

Unit #	Qty	UOM	NRC Equipment
20042		HR	3 Axel Diesel Tractor
3028		HR	110 BBL Vacuum Trailer

MATERIALS

ID #	Qty	UOM	NRC Material
432	1	ea	Level "D" PPE
	1	ea	Wash out

OTHER (Add'l Personnel, Add'l Equipment, Add'l Materials, Outside Services, Manifest #, Disposal Info, etc.)

(03-11-09 OK TC)

ID	Description	Qty	UOM
	Manifest 00 4242765 1023 gal to Evergreen Oil		

ACKNOWLEDGEMENT

NRC REPRESENTATIVE SIGNATURE: Paul Canevaro

CUSTOMER REPRESENTATIVE SIGNATURE:

PRINTED NAME / TITLE: Paul Canevaro

PRINTED NAME / TITLE:

WHITE - FILE PINK - PAYROLL YELLOW - CUSTOMER

Evergreen Oil Inc.
2355 MAIN ST
SUITE 230
IRVINE CA 92614
Phone: (949) 757-7770
Fax: (949) 474-9149

COPY

Invoice	INV0398544
Date	3/17/2009
Page	1
BOL #	514625

Customer: FOEN01

Bill To:

NRC ENVIRONMENTAL SERVICES
1605 FERRY PT
ALAMEDA CA 94501

Ship To:

NRC ENVIRONMENTAL SERVICES
1605 FERRY PT
ACH
ALAMEDA CA 94501

Ship Via	P O Number	Salesperson	Payment Terms	Driver	Order Number	Route	Ship Date	Manifest No.
	41344	130	NET 30	JCOLLET	SH0173603	5	3/10/2009	004242765JJK

Ordered	Shipped	B/O	Item Number	Description	Discount	Unit Price	Ext. Price
875.00	875.00	0.00	VACWATERHAZ	NON-RCRA HAZARDOUS WASTE, LIQUID	$0.00	$0.65	$568.75
131.00	131.00	0.00	VACSOLID	VACUUM SOLIDS SURCHARGE GALLONS	$0.00	$1.35	$176.85
1	1	0	WASHOUT	WASHOUT FEE	$0.00	$250.00	$250.00

RECEIVED
MAR 23 2009
NRC ENVIRONMENTAL SERVICES-ALAMEDA

Ready to Pay
JOB - NO. - EQUIP. - OVERHEAD - OFFICE COST
tc 41344 / 329831 ✓
DATE 03-23-09

Subtotal	$995.60
Misc	$0.00
Tax	$0.00
Freight	$0.00
Trade Discount	$0.00
Total	$995.60

Remit To: Evergreen Oil Inc
Dept LA 23234
Pasadena, CA 91185-3234

WORK ORDER/SERVICE AGREEMENT

Evergreen Environmental Services

dedicated to the protection of the environment

№ 514625

To schedule a pickup, call
800-596-9455

6880 Smith Ave., Newark, CA EPA# CAD982413262
16540 S. San Pedro St., Carson, CA EPA# CAD982413262

Send payment to:
Evergreen Oil, Inc.
P.O. BOX 30517
Los Angeles, CA 90030-0517

Sales Order # _____

Date: _____

GENERATOR/JOB LOCATION				BILLING INFORMATION					
NAME				NAME				CASH ☐ CHECK ☐ #	
ADDRESS				ADDRESS				CUSTOMER CODE NO.	
CITY	STATE	ZIP	CO.	CITY	STATE	ZIP	CO.	PO #	
PHONE NO. ( )				PHONE NO. ( )		PROFILE NO.		CUSTOMER EPA ID NO.	

PRODUCT	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used oil, Non-RCRA Hazardous Lubricating	CA221			Gal.		
Waste, Liquid Industrial	CA221			Gal.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste Liquid	CA134			Gal.		
RQ Waste Combustible Liquid, N.O.S. NA 1993 III (Oil contaminated with halogens)	CA221 F001/F002			Gal.		
Oil & Water, Non-RCRA Hazardous Waste Liquid	CA221			Gal.		
Waste Solids and Sludges				Gal.		
Wash Out				Each		
Drained Used Oil Filters				Drum		
Non-RCRA Hazardous Waste Solids (oily debris)	CA223			Drum		
Empty Drums				Drum		
Transportation				Hrs.		
Non Hazardous Water				Gal.		
Glycol Bulk 50/50				Gal.		
Glycol Bulk Conc.				Gal.		
TEST: ☐ Clor D Tech 4000____ppm ☐ Clor D Tech 1000 ☐ Pass ☐ Fail ☐ Halogen Detector/Flame Test ☐ Pass ☐ Fail						
Field Service Work Description:						Total Charges
Other:						
Other:						
Vacuum Services Time						
Out of Yard_____ On Site _____ Off Site _____ Off Load Start _____ Off Load End _____ Return to Yard _____						

TSDF

☐ Consolidated Manifest

☐ Evergreen Oil, Inc.
6880 Smith Ave.
Newark, CA 94560
CAD980887418

☐ Evergreen Env. Svc.
Road 30B
Davis, CA 95616
CAD982446874

☐ Evergreen Env. Svc.
4139 N. Valentine
Fresno, CA 93722
CAD982446882

☐ AJS Filter
15131 Clark Ave.
Industry, CA 91745
CAD000097432

☐ _____

☐ Evergreen Env. Svc.
16604 S. San Pedro
Carson, CA 90746
CAD981696420

☐ Evergreen Env. Svc.
745 A West Betteravia
Santa Maria, CA 93454
CAD982446858

☐ CFR
944 E. Slauson Ave.
Los Angeles, CA 90011
CAL000110021

☐ CFR
33210 Western
Union City, CA 94587
CAL000091507

☐ Greenleaf Env. Svc.
3474 Toyon Circle
Valley Springs, CA 95352
CAL000214411

Source: ❑ Collection Station ❑ Government ❑ Marine ❑ Agricultural ❑ Industrial

Generator certifies that it has established a program to reduce the volume or quantity & toxicity of the hazardous waste to the degree determined by generator to be economically practicable.

I hereby certify that I have read and have the authority to bind the above listed generator to the terms on the reverse side of this form.

Retain sample # _____

IMPORTANT NOTICE REGARDING THE DISPOSITION OF YOUR OIL.

Per California Health and Safety Code Section 25250.9, Evergreen hereby advises customer that customer's shipment of used oil may be transported to a facility that is required to comply with federal regulations applicable to management of used oil, but that is not required to comply with the more stringent requirements applicable to hazardous waste management facilities. California facilities that handle or process used oil are required to meet those more stringent requirements, and some out-of-state facilities that process used oil also meet those requirements. These include more stringent leak detection and prevention requirements, engineering certifications of tank integrity, and financial assurances for closure and accidental releases. It is lawful to send used oil to out-of-state facilities that comply only with federal used oil management standards and not these more stringent requirements. This notification is for information purposes only.

Driver Signature Print Name Route # Date

Generator's Signature Print Name Date

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CA0000808 4	1	NRCES 510-748-1390	004242765 JJK

GENERATOR

5. Generator's Name and Mailing Address
City of Alameda
1616 Fortman Way Alameda CA
Generator's Phone: (510) 747-1900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC

U.S. EPA ID Number
CAR000030114

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Evergreen Oil, Inc.
6880 Smith Ave.
Newark, CA 94560
Facility's Phone: 510-795-4400

U.S. EPA ID Number
CAD980887418

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON-RCRA HAZARDOUS WASTE LIQUID (OILY WATER)	001	TT	103	G	221		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
JOB/PO#:
NRC ENVIRONMENTAL SERVICES - 1605 FERRY POINT ALAMEDA, CA 94501

Job# 41344

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/Offeror's Printed/Typed Name: Todd Williams | Signature | Month: 3 | Day: 05 | Year: 09

TRANSPORTER INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Sean Campbell | Signature | Month: 03 | Day: 05 | Year: 09

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

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.
H135			

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: Raman J Singh | Signature | Month: 03 | Day: 05 | Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Certificate of Recycling

Dear Valued Customer:

Evergreen certifies that the **used oil, used antifreeze, oily water,** and **used oil filters** collected from your facility were fully recycled in accordance with all applicable state and federal regulations.

Evergreen Environmental Services also provides emergency spill response: vacuum cleaning of tanks, clarifiers, and sumps; transportation of hazardous waste, steam cleaning, management of oily solids, and treatment of non-hazardous wastewater.

For more information regarding the services Evergreen provides, please call:

1-800-972-5284

We appreciate your business!

This certificate also serves as notification, as required by Title 22, Section 66264.12, that Evergreen Oil, Inc. has the appropriate permits for, and will accept the wastes manifested to Evergreen facilities.

"dedicated to the protection of the environment"

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAL000082264	1	NRCES 510 749-1390	004242994 JJK

GENERATOR

5. Generator's Name and Mailing Address
CITY OF ALAMEDA
1616 FORTMANN WAY
ALAMEDA CA 94501
Att: TODD WILLIAMS
Generator's Phone: 510 747-7900

Generator's Site Address (if different than mailing address)
CITY OF ALAMEDA- MAINTENANCE DIV.
1616 FORTMANN WAY
ALAMEDA CA 94501

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Crosby & Overton, Inc.
1630 W. 17th Street
Long Beach CA 90813
Facility's Phone: 562 432-5445
U.S. EPA ID Number: CAD028409019

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON RCRA HAZARDOUS WASTE SOLID (OILY DEBRIS)	0016	DM	23200	P	352
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 413444
PROFILE# 57406
ROUTE 1618 PERRO POINT, ALAMEDA, CA. 94501
D8310

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/Offeror's Printed/Typed Name: Todd Williams | Signature | Month 03 | Day 10 | Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Michael Lothion	Michael Lothion	03	10	09
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

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.
H141			

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	Signature	Month	Day	Year
Laura Christensen	Laura Christensen	03	16	09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

California Emergency Management Agency

Hazardous Materials Spill Report

DATE: 03/05/2009 TIME: 1318	RECEIVED BY:	CONTROL#: Cal EMA - 09-2030 NRC -

1.a. PERSON NOTIFYING Cal EMA:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
	City of Alameda FD			

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	*Amount*	*Measure*	c. TYPE:	d. OTHER:
1. Diesel	=	85-120	Gal(s)	PETROLEUM	
2.	=				
3.	=				

e. DESCRIPTION: Per caller, an overfill of the underground fuel tank caused the release. Booms were applied to stop the release to get into the storm drain. NRC is taking samples/tests. Public Works responded to site for clean up. The spill is under investigation

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:	i.DRINKING WATER IMPACTED
Yes	No		

j. KNOWN IMPACT None

3. a. INCIDENT LOCATION: 1616 Fortman Way

b. CITY:	c. COUNTY:	d. ZIP:
Alameda	Alameda County	

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME *(Military)*:	c. SITE:	d. CAUSE
03/05/2009	0855	Other	Overflow
e. INJURIES#	f. FATALS #:	g. EVACS #:	h. CLEANUP BY:
0	0	0	NRC

6. NOTIFICATION INFORMATION:

a. ON SCENE:	b. OTHER ON SCENE:	c. OTHER NOTIFIED:
Fire Dept.	Public Works	NRC, Co Health, RWQCB

d. ADMIN. AGENCY: Alameda County Environmental Health

e. SEC. AGENCY:

f. ADDITIONAL COUNTY:

g. ADMIN. AGENCY:

h. NOTIFICATION LIST:

DOG Unit:

RWQCB Unit: 2

AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS

CONFIRMATION REQUEST:

********* Control No: 09-2030 *********

Created by: Patti Tran on: 03/05/2009 01:18:36 PM Last Modified by: Patti Tran on: 03/05/2009 01:26:07 PM

J#41344

ENVIRONMENTAL SERVICES

REAL TIME AIR MONITORING LOG

PROJECT #: 41344

DATE: 3-5-09
DAY: Thurs
BACKGROUND: 0.0ppm
PID: Yes
MINI-RAM: _____

TEMPERATURE: 56
REL. HUMIDITY: _____

PID #.: 522341
CGI/O2#: _____
MONITOX#: _____
RAM #: _____
OTHER: _____

INSTRUMENT USED	TIME OF DAY	METER READING PPM	SAMPLING DURATION	LOCATION	PPE	TASK PERFORMED
PID	12:50	2	2min	A	D	Vac –storm drain/sump
PID	12:59	1.5	2min	B	D	Vac –storm drain/sump
PID	13:15	0.5	2min	C	D	Vac up free standing diesel
PID	13.41	0.5	2min	B	D	Vac up free standing diesel

PERFORMED BY: Yuri Trebotich
SIGNATURE: _____ DATE: 3-5-09