July 14, 2010

Mr. Robert Weston
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Rm 250
Alameda, CA 94502-6577

Job # 9135

SUBJECT: CLOSURE REPORT FOR UNDERGROUND STORAGE TANK

SITE: 40 CROCKER AVENUE PIEDMONT,CA 94611

Dear Mr. Weston:

Golden Gate Tank Removal, Inc. is pleased to submit the attached report documenting the removal of underground storage tank (UST) from 40 Crocker Avenue

Please include us in the distribution of the notice of completion. Thank you for the opportunity to provide you with our services. If you have any questions, please call Tim Hallen or Joshua Alexander at (415) 512-1555.

Sincerely,
Golden Gate Tank Removal, Inc.

Tim Hallen
General Manager

cc: Spencer & Roberta Kaitz, 40 Crocker Avenue, Piedmont, CA 94611

2010 JUL 15 PM 1:26

3730 Mission Street - San Francisco, CA 94110 - Tel.: 415.512.1555 Fax: 415.512.0964
General Engineering Contractors License No. 616521

TANK CLOSURE REPORT

40 Crocker Avenue
Piedmont, CA 94611
Job No. 9135
April 23, 2010

Prepared For:

Spencer & Roberta Kaitz
40 Crocker Avenue
Piedmont, CA 94611

Tim Hallen
Registered Environmental Assessor 08006

3730 Mission Street - San Francisco, CA 94110 - Tel.: 415.512.1555 Fax: 415.512.0964
General Engineering Contractors License No. 616521

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1. SITE LOCATION

The subject property is a residential located at 40 Crocker Avenue between Wildwood Avenue and Hampton Road in Piedmont, California. Figure 1 attached shows the general site location.

2. SITE HISTORY

One underground storage tank (UST) formerly used to contain diesel was located beneath the grade within the property line. The tank had a capacity of approximately 1500 gallons, measuring approximately 7 feet in length by 5 feet in diameter, and was constructed of single wall bare steel. The fill port was located on the north end of the tank. The age of the tank is unknown. The owner had no knowledge of the tank nor is there any indication of previous site investigation activities. Figure 2 depicts the approximate location of the tank as well as nearby streets.

3. TANK REMOVAL

In March 2010, Golden Gate Tank Removal, Inc. (GGTR) applied for and obtained permit from Alameda County Environmental Health Services (ACEHS) and notified City of Piedmont Fire Department (CPFD) prior to the UST removal operations. Copies of the permit documents are included as an attachment.

On April 08, 2010, GGTR mobilized its equipment and began work on the project. The overburden soil covering the tank was removed and placed on visqueen in a covered stockpile adjacent to the tank excavation. Field measurements indicate the bottom of the tank was 7 feet below the grade. No exposed piping was found or visible during the tank removal activity. The piping must have been previously removed.

As part of the removal operations, GGTR contracted Uniwaste Environmental to pump the residual product from the tank into a tanker truck. GGTR then pressure-washed the interior of the tank with a 180-degree water using 3000-psi pressure. A non-toxic enzyme detergent was used to break down thick oil deposits. After a third washing, Uniwaste Environmental removed the wash and rinse water from the tank and transported the Non-RCRA hazardous waste liquid (400 gallons) under Uniform Hazardous Waste Manifest No.004451096JJK to the Clearwater Environmental facility in Silver Springs, Nevada. A copy of the liquid waste manifest is included as an attachment.

Prior to waste liquid disposal, GGTR collected a sample of the rinsate water and submitted it to Accutest Laboratories (State Certification#08258) under a formal Chain-of-Custody protocol. The rinsate sample was analyzed for Total Petroleum Hydrocarbons Extractable as Diesel (TPH-D) by Method SW846 8015B M SW846 3510C. The analytical results of the rinsate sample were acceptable by the ACEHS for the disposal of the UST as non-hazardous scrap metal. The attached Table "Sampling Results Form" presents a summary of the analytical results. A copy of the laboratory certificate of analysis and chain of custody form is included as an attachment.

On April 13, 2010, upon the approval of Mr. Robert Weston of the ACEHS and Mr. Dave Swan of the CPFD, GGTR removed the tank from the excavation. After a visual inspection, the tank was loaded onto a flatbed truck and transported as scrap metal to Circosta Iron & Metal, Inc. in San Francisco, California. Copies of the Certificate of Disposal and Circosta Scrap Metal Recycling Receipt are attached.

4. TANK AND SOIL CONDITION

The tank was found to be in poor condition with at least one visible hole. No soil discoloration was observed in the tank overburden soil or in the soil underlying the tank. No hydrocarbon odors were noted in the overburden soil or in the soil underlying the tank. The overburden soil and the soil underlying the tank was predominantly rock/clay. Groundwater was observed in the excavation during tank removal activities Because of holes in the tank, an Underground Storage Tank Unauthorized Release (Leak) / Contamination Site Report was required for submission by the ACEHS. A copy of this report is included as an attachment.

5. TANK REMOVAL SAMPLING

Immediately following tank removal activities, under the direction of Mr. Robert Weston, GGTR collected one four-point composite soil sample from the soil stockpile containing the overburden soil. The composite stockpile sample was labeled 9135-SP(A-D). GGTR also collected groundwater sample and was labeled9135-GW. All samples were transported to Accutest Laboratories (State Certification#08258) under formal chain-of-custody protocol for the required analyses. Figure 2 depicts the approximate soil and groundwater samples locations.

6. TANK SAMPLE LABORATORY ANALYSIS

The soil and groundwater samples were analyzed for Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) ,Methyl-Tertiary-Butyl Ether (MTBE),Di-Isoprophyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE),Tert-Amyl Methyl Ether (TAME), Tert Butyl Alcohol (TBA), and 1,2-Dichloroethane (DIPE) by Method SW846 8260B. The soil sample was also analyzed for Total Petroleum Hydrocarbons Extractable as Diesel (TPH-D) by Method SW846 8015B M SW846 3545A, and the groundwater for Total Petroleum Hydrocarbons Extractable as Diesel (TPH-D) by Method SW846 8015B M SW846 3510C. A summary of the analytical result is included in the Table "Sampling Results Form" and a copy of the laboratory certificate of analysis and chain of custody form is included as an attachment.

7. SITE RESTORATION

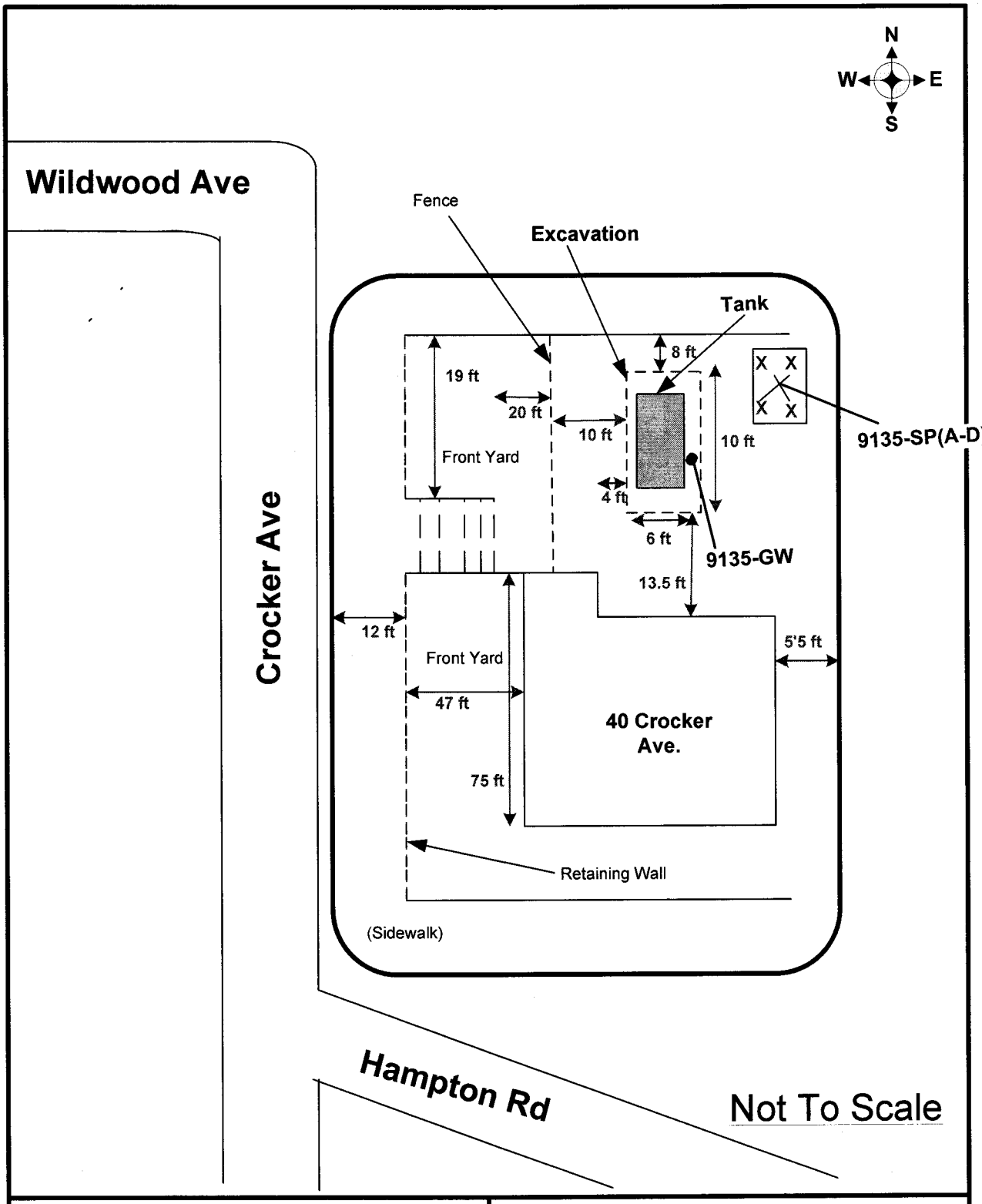
By April 26, 2010, GGTR backfilled the excavation with the clean imported soil. The excavation backfill soil was subsequently compacted in conformance with the ACEHS requirements.

8. FINDINGS / RECOMMENDATION

There were visible holes in the tank. There was no visual evidence of contamination in the overburden soil. Groundwater was encountered during the tank removal or sampling activities. Low concentrations of TPH D, BTEX were reported in the groundwater sample. No fuel oxygenates were reported in any of the samples. The analytical results from the State Certified Laboratory following the tank removal and remedial activities were non-detect to insignificant and acceptable by the ACEHS; therefore, GGTR recommends no further action at the site.

FIGURES

GOLDEN GATE TANK REMOVAL, INC. 3730 Mission Street San Francisco, CA 94110 Ph (415) 512-1555 Fx (415) 512-0964		**VICINITY MAP** 40 Crocker Avenue Piedmont, CA 94611	
GGTR Project No.9135	*Drawing By: AC*	March 2010	***Figure 1***



GOLDEN GATE TANK REMOVAL, INC. 3730 Mission Street San Francisco, CA 94110 Ph (415) 512-1555 Fx (415) 512-0964		**Site Drawing** 40 Crocker Avenue Piedmont, CA 94611	
GGTR Project No. 9135	*Drawing By: AC*	March 2010	***Figure 2***

TANK READY TO BE REMOVED FROM EXCAVATION

TANK CUT INTO PIECES READY TO BE TRANSPORTED FOR DISPOSAL

GOLDEN GATE TANK REMOVAL, INC. 3730 Mission Street San Francisco, CA 94110 Ph (415) 512-1555 Fx (415) 512-0964	**UST REMOVAL** 40 Crocker Avenue Piedmont, CA 94611

GGTR Project No. 9135	*Drawing By: AC*	April 2010	***Figure 3***

SAMPLING RESULTS FORM

Underground Storage Tank Site Address: 40 Crocker Avenue, Piedmont, CA 94611

Business Site Name: **Residential**

Description Sample ID (Specify location; i.e., tank, pipe, stockpile) and number	Sample Depth (Indicate depth of sample from grade)	Media (soil/water)	Date (Date Sample was collected	Soil Type (specify if sand, clay, fill, etc.)	Results expressed in parts per million (ppm)										
					TPH-D	B	T	E	X	1,2-DCA	DIPE	ETBE	MTBE	TAME	TBA
9135-SP(A-D)Comp (Stockpile)	Not Applicable	soil	4/13/2010	rock/clay	ND<10	ND<0.250	ND<0.250	ND<0.250	ND<0.500	ND<0.250	ND<0.250	ND<0.250	ND<0.250	ND<0.250	ND<2
9135-GW (Ground Water)	Not Applicable	water	4/13/2010	NA	1.64*	0.0023	0.0014	ND<0.001	0.00093	ND<0.001	ND<0.005	ND<0.005	ND<0.001	ND<0.005	ND<0.010
9135-R3 (Rinsate Sample)	Not Applicable	water	4/9/2010	NA	18.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TPH-D = Total Petroleum Hydrocarbons Diesel
BTEX = Benzene, Toluene, Ethylbenzene, Xylene
*** =Petroleum hydrocarbon pattern elutes primarily between C10 and C36.**
NA = Not Analyzed
ND = Non-Detectable Results
1,2-DCA=1,2-Dichloroethane
DIPE= Di-Isoprophyl ether
ETBE= Ethyl tert-Butyl Ether
MTBE= Methyl Tert Buty Ether
TAME= Tert-Amyl Methyl Ether
TBA= Tert Buty Alcohol
List of additional analytical results and detection limits on attached certified lab report

ATTACHMENTS

ANALYTICAL REPORT
CERTIFICATE OF TANK DISPOSAL
SCRAP METAL RECYCLING RECEIPT
LIQUID MANIFEST
UST UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION REPORT
HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
PERMIT
SHORING PLANS

Northern California
ACCUTEST.

04/19/10

Technical Report for

Golden Gate Tank Removal

40 Crocker Ave - Peidmont, CA

9135

Accutest Job Number: C10610

Sampling Dates: 04/09/10 - 04/13/10

Report to:

Golden Gate Tank Removal
3730 Mission Street
San Francisco, CA 94110
Data@ggtr.com; j.alexander@ggtr.com

ATTN: Josh Alexander

Total number of pages in report: 27

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Laurie Glantz-Murphy
Laboratory Director

Client Service contact: Diane Theesen 408-588-0200

Certifications: CA (08258CA)

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5

Table of Contents

-1-

Sample Summary

Golden Gate Tank Removal

Job No: C10610

40 Crocker Ave - Peidmont, CA
Project No: 9135

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
C10610-1	04/09/10	12:30	JA	04/13/10	AQ	Ground Water	9135-R3
C10610-2	04/13/10	12:15	JA	04/13/10	AQ	Ground Water	9135-GW
C10610-3	04/13/10	11:20	JA	04/13/10	SO	Soil	9135-SP(A)
C10610-4	04/13/10	11:20	JA	04/13/10	SO	Soil	9135-SP(B)
C10610-5	04/13/10	11:20	JA	04/13/10	SO	Soil	9135-SP(C)
C10610-6	04/13/10	11:20	JA	04/13/10	SO	Soil	9135-SP(D)
C10610-7	04/13/10	11:20	JA	04/13/10	SO	Soil	9135-SP(A-D)COMP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	9135-R3		
Lab Sample ID:	C10610-1	Date Sampled:	04/09/10
Matrix:	AQ - Ground Water	Date Received:	04/13/10
Method:	SW846 8015B M SW846 3510C	Percent Solids:	n/a
Project:	40 Crocker Ave - Peidmont, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH6284.D	25	04/16/10	JH	04/15/10	OP2025	GHH274
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	18.4	2.5	1.3	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	75%		45-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	9135-GW		
Lab Sample ID:	C10610-2	Date Sampled:	04/13/10
Matrix:	AQ - Ground Water	Date Received:	04/13/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	40 Crocker Ave - Peidmont, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N14491.D	1	04/15/10	TF	n/a	n/a	VN491
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.3	1.0	0.30	ug/l	
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	0.93	2.0	0.70	ug/l	J
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		60-130%
2037-26-5	Toluene-D8	104%		60-130%
460-00-4	4-Bromofluorobenzene	102%		60-130%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	9135-GW		
Lab Sample ID:	C10610-2	Date Sampled:	04/13/10
Matrix:	AQ - Ground Water	Date Received:	04/13/10
Method:	SW846 8015B M SW846 3510C	Percent Solids:	n/a
Project:	40 Crocker Ave - Peidmont, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG13168.D	1	04/15/10	JH	04/15/10	OP2025	GGG416
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel) [a]	1.64	0.094	0.047	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	67%		45-140%

(a) Petroleum hydrocarbon pattern elutes primarily between C10 and C36.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	9135-SP(A-D)COMP		
Lab Sample ID:	C10610-7	Date Sampled:	04/13/10
Matrix:	SO - Soil	Date Received:	04/13/10
Method:	SW846 8260B	Percent Solids:	n/a [a]
Project:	40 Crocker Ave - Peidmont, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M14009.D	1	04/15/10	XB	n/a	n/a	VM456
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	250	75	ug/kg	
108-88-3	Toluene	ND	250	75	ug/kg	
100-41-4	Ethylbenzene	ND	250	75	ug/kg	
1330-20-7	Xylene (total)	ND	500	200	ug/kg	
106-93-4	1,2-Dibromoethane	ND	250	50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	250	75	ug/kg	
108-20-3	Di-Isopropyl ether	ND	250	75	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	250	75	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	250	50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	250	60	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	2000	500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		60-130%
2037-26-5	Toluene-D8	101%		60-130%
460-00-4	4-Bromofluorobenzene	96%		60-130%

(a) All results reported on wet weight basis.
(b) 4:1 composite

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	9135-SP(A-D)COMP		
Lab Sample ID:	C10610-7	Date Sampled:	04/13/10
Matrix:	SO - Soil	Date Received:	04/13/10
Method:	SW846 8015B M SW846 3545A	Percent Solids:	n/a [a]
Project:	40 Crocker Ave - Peidmont, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG13169.D	1	04/15/10	JH	04/14/10	OP2021	GGG416
Run #2							

	Initial Weight	Final Volume
Run #1	10.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	85%		45-140%

(a) All results reported on wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Northern California ACCUTEST Laboratories

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

"GGTRCASF2675"

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest NC Job #: C C10610

Client / Reporting Information

- Company Name: Golden Gate Tank Removal Inc.
- Address: 3730 Mission St.
- City / State / Zip: San Francisco, CA 94110
- Project Contact: Joshua Alexander
- Phone #: 415-512-1555
- Samplers's Name: Joshua Alexander

Project Information

- Project Name:
- Street: 140 Crocker Ave.
- City / State: Piedmont CA.
- Project #: 9135
- EMAIL: j.alexander@ggtr.com
- Client Purchase Order #: 00

Requested Analysis: 8260-Full List / 624 / TPHgas / Gasoline; 8260Petro (Includes BTEX / MtBE / TBA / ETBE / DIPE / TAME / 1,2-DCA / EDB) (+ EDC & TPHd); 8270 / PAHs only; TPH Extractable - Diesel / Motor Oil - Other / With Silica Gel Cleanup; METALS: CAM-17 / LUFT-5 / RCRA-8 / PPM-13; Pesticides-8081 / PCBs-8082 / 608; BTEX-MtBE-TPH as Gasoline by GC/PID-FID

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI- Oil; WP- Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	8260Petro	TPH Extractable	Remarks
-1	9135-B3	4/9/10	12:50PM	HORACIO	W	1		X	TPHD only
-2	9135-GW	4/13/10	12:15PM	JOSH	W	4	X		include EDC & TPHD (NO TPHg)
	9135-SP(A-D) -3,4,5,6	4/13/10	11:20PM	JOSH	S	4	X		Composite (4:1) -7 & include EDC & TPHD (NO TPHg)

Turnaround Time (Business days): Standard TAT 15 Business Days; 10 Day (Workload dependent); 5 Day (Workload dependent); 3 Day (125% markup); 2 Day (150% markup); 1 Day (200% markup); Same Day (300% markup) — Approved By / Date: 4-DAY

Emergency T/A data available VIA Lablink

Data Deliverable Information: Commercial "A" - Results only; Commercial "B" - Results with QC summaries; Commerical "B+" - Results, QC, and chromatograms; FULT1 - Level 4 data package; EDF for Geotracker; EDD Format; Provide EDF Global ID; Provide EDF Logcode:

Comments / Remarks:

-1 → 1Lit Amber ONLY N/P
-2 → 1Lit Amber N/P | 3vials (unpres)
4 (2"x3") Brass Tubes (4:1 - composite)

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	4/13/10 1:10PM	1 [signature]	2 [signature]	16:58 4/13/10	2 [signature]
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Appropriate Bottle / Pres (Y) N; Headspace Y (N); On Ice (Y) N; Cooler Temp 3.4 + 0.3 = 3.7 °C
Labels match Coc (Y) N; Separate Receipt Log (Y) N

C10610: Chain of Custody
Page 1 of 2

Accutest Laboratories Northern California
Sample Receiving Check List

Job#: C10610
Sample Control Rep. Initial: EK

GGTRCAST2675

Review Chain of Custody **Chain of Custody is to be complete and legible.**

- Are these regulatory (~~NPDES~~) samples? ~~CWA~~ Yes / No
- Is pH requested? Yes / No
- N/A Was Client informed that hold time is 15 min? **Yes / No** Continue Yes / No
- N/A Was ortho-Phosphate filtered with in 15 min? **Yes / No** Continue Yes / No
- Are sample within hold time? Yes / No
  Are sample in danger of exceeding hold-time Yes / No
- Existing Client? Yes / No Existing Project? Yes / No
  If No: Is Report to info complete and legible, including;
  □ deliverable □ Name □ Address □ phone □ e-mail
  Is Bill to info complete and legible, including;
  □ PO# □ Credit card □ Contact □address □ phone □ e-mail
  Is Contact and/or Project Manager identified, including;
  □ phone □ e-mail
- Project name / number □ Special requirements? Yes / No
- Sample IDs / date & time of collection provided? Yes / No
- Is Matrix listed and correct? Yes / No
- Analyses listed we do or client has authorized a subcontract? Yes / No
- Chain is signed and dated by both client and sample custodian? Yes / No
- TAT requested available? Yes / No Approved by PM

Review Coolers:

- Were Coolers temperatures measured at ≤6°C? Cooler # 1 Temp 3.7 °C
  - If cooler is outside the ≤6°C; note down below the affected bottles in that cooler
  - Note that ANC does NOT accept evidentiary samples. (We do not lock refrigerators)
- Shipment Received Method Accutest Courier
- Custody Seals: Present: Yes / No If Yes; Unbroken: Yes / No

Review of Sample Bottles: If you answer no, explain to the side

- Chain matches bottle labels? Yes / No
- Sample bottle intact? Yes / No
- Is there enough sample volume in proper bottle for requested analyses? Yes / No
- Proper Preservatives? Yes / No Check pH on preserved samples except 1664, 625, 8270 and VOAs.
- Headspace-VOAs? **Greater than 6mm in diameter** Yes / No
  List sample ID and affected container

Client Sample ID	pH Check	Other Comments/Issues

Non-Compliance issues and discrepancies on the COC are forwarded to Project Management

\\Anc-srv-file1\d$\Entech-Data\Laboratory\SOPs\SOP_CompleteListing\SC001F1_1_Form1_SampleControl_SampleReceivingChecklist_2010-02-15.doc

C10610: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM456-MB	M13998.D	1	04/15/10	XB	n/a	n/a	VM456

The QC reported here applies to the following samples: Method: SW846 8260B

C10610-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.5	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	1.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	1.2	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
108-88-3	Toluene	ND	5.0	1.5	ug/kg	
1330-20-7	Xylene (total)	ND	10	4.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	60-130%
2037-26-5	Toluene-D8	104%	60-130%
460-00-4	4-Bromofluorobenzene	97%	60-130%

Method Blank Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN491-MB	N14487.D	1	04/15/10	TF	n/a	n/a	VN491

The QC reported here applies to the following samples: Method: SW846 8260B

C10610-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	60-130%
2037-26-5	Toluene-D8	105%	60-130%
460-00-4	4-Bromofluorobenzene	99%	60-130%

Blank Spike Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM456-BS	M13996.D	1	04/15/10	XB	n/a	n/a	VM456

The QC reported here applies to the following samples: Method: SW846 8260B

C10610-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	40	40.5	101	60-130
106-93-4	1,2-Dibromoethane	40	43.3	108	60-130
107-06-2	1,2-Dichloroethane	40	39.6	99	60-130
108-20-3	Di-Isopropyl ether	40	39.1	98	60-130
100-41-4	Ethylbenzene	40	41.7	104	60-130
637-92-3	Ethyl tert-Butyl Ether	40	38.7	97	60-130
1634-04-4	Methyl Tert Butyl Ether	40	39.3	98	60-130
994-05-8	Tert-Amyl Methyl Ether	40	39.2	98	60-130
75-65-0	Tert Butyl Alcohol	200	242	121	60-130
108-88-3	Toluene	40	42.5	106	60-130
1330-20-7	Xylene (total)	120	129	108	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	60-130%
2037-26-5	Toluene-D8	100%	60-130%
460-00-4	4-Bromofluorobenzene	97%	60-130%

Blank Spike Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN491-BS	N14488.D	1	04/15/10	TF	n/a	n/a	VN491

The QC reported here applies to the following samples: Method: SW846 8260B

C10610-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.7	94	60-130
106-93-4	1,2-Dibromoethane	20	21.0	105	60-130
107-06-2	1,2-Dichloroethane	20	18.7	94	60-130
108-20-3	Di-Isopropyl ether	20	17.9	90	60-130
100-41-4	Ethylbenzene	20	20.6	103	60-130
637-92-3	Ethyl Tert Butyl Ether	20	18.8	94	60-130
1634-04-4	Methyl Tert Butyl Ether	20	17.7	89	60-130
994-05-8	Tert-Amyl Methyl Ether	20	19.0	95	60-130
75-65-0	Tert-Butyl Alcohol	100	110	110	60-130
108-88-3	Toluene	20	19.5	98	60-130
1330-20-7	Xylene (total)	60	62.1	104	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	60-130%
2037-26-5	Toluene-D8	104%	60-130%
460-00-4	4-Bromofluorobenzene	103%	60-130%

Blank Spike Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN491-BS	N14489.D	1	04/15/10	TF	n/a	n/a	VN491

The QC reported here applies to the following samples: Method: SW846 8260B

C10610-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	60-130%
2037-26-5	Toluene-D8	105%	60-130%
460-00-4	4-Bromofluorobenzene	101%	60-130%

Blank Spike Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM456-BS	M14008.D	1	04/15/10	XB	n/a	n/a	VM456

The QC reported here applies to the following samples: Method: SW846 8260B

C10610-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	60-130%
2037-26-5	Toluene-D8	102%	60-130%
460-00-4	4-Bromofluorobenzene	96%	60-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C10628-1MS	M14006.D	1	04/15/10	XB	n/a	n/a	VM456
C10628-1MSD	M14007.D	1	04/15/10	XB	n/a	n/a	VM456
C10628-1	M14002.D	1	04/15/10	XB	n/a	n/a	VM456

The QC reported here applies to the following samples: Method: SW846 8260B

C10610-7

CAS No.	Compound	C10628-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		39.5	40.7	103	40.0	101	2	60-130/30
106-93-4	1,2-Dibromoethane	ND		39.5	42.1	107	42.1	106	0	60-130/30
107-06-2	1,2-Dichloroethane	ND		39.5	39.5	100	38.3	97	3	60-130/30
108-20-3	Di-Isopropyl ether	ND		39.5	37.8	96	38.2	96	1	60-130/30
100-41-4	Ethylbenzene	ND		39.5	40.2	102	40.4	102	0	60-130/30
637-92-3	Ethyl tert-Butyl Ether	ND		39.5	37.9	96	38.8	98	2	60-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		39.5	38.0	96	38.5	97	1	60-130/30
994-05-8	Tert-Amyl Methyl Ether	ND		39.5	37.5	95	38.4	97	2	60-130/30
75-65-0	Tert Butyl Alcohol	ND		198	215	109	238	120	10	60-130/30
108-88-3	Toluene	ND		39.5	40.9	103	41.1	104	0	60-130/30
1330-20-7	Xylene (total)	ND		119	123	104	123	103	0	60-130/30

CAS No.	Surrogate Recoveries	MS	MSD	C10628-1	Limits
1868-53-7	Dibromofluoromethane	98%	98%	95%	60-130%
2037-26-5	Toluene-D8	100%	99%	103%	60-130%
460-00-4	4-Bromofluorobenzene	97%	96%	93%	60-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C10614-1MS	N14503.D	1	04/15/10	TF	n/a	n/a	VN491
C10614-1MSD	N14504.D	1	04/15/10	TF	n/a	n/a	VN491
C10614-1	N14497.D	1	04/15/10	TF	n/a	n/a	VN491

The QC reported here applies to the following samples: Method: SW846 8260B

C10610-2

CAS No.	Compound	C10614-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.1	96	18.9	95	1	60-130/25
106-93-4	1,2-Dibromoethane	ND		20	21.3	107	21.8	109	2	60-130/25
107-06-2	1,2-Dichloroethane	ND		20	19.4	97	19.5	98	1	60-130/25
108-20-3	Di-Isopropyl ether	ND		20	18.6	93	18.6	93	0	60-130/25
100-41-4	Ethylbenzene	ND		20	21.4	107	20.7	104	3	60-130/25
637-92-3	Ethyl Tert Butyl Ether	ND		20	19.4	97	19.8	99	2	60-130/25
1634-04-4	Methyl Tert Butyl Ether	ND		20	17.6	88	18.6	93	6	60-130/25
994-05-8	Tert-Amyl Methyl Ether	ND		20	19.4	97	20.0	100	3	60-130/25
75-65-0	Tert-Butyl Alcohol	ND		100	103	103	119	119	14	60-130/25
108-88-3	Toluene	ND		20	20.1	101	19.5	98	3	60-130/25
1330-20-7	Xylene (total)	ND		60	65.4	109	63.0	105	4	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C10614-1	Limits
1868-53-7	Dibromofluoromethane	107%	108%	106%	60-130%
2037-26-5	Toluene-D8	104%	104%	105%	60-130%
460-00-4	4-Bromofluorobenzene	106%	105%	100%	60-130%

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2021-MB	GG13106.D	1	04/14/10	JH	04/13/10	OP2021	GGG415

The QC reported here applies to the following samples: Method: SW846 8015B M

C10610-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	80%	45-140%

Method Blank Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2025-MB	GG13143.D	1	04/15/10	JH	04/15/10	OP2025	GGG416

The QC reported here applies to the following samples: Method: SW846 8015B M

C10610-1, C10610-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (Diesel)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	68%	45-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2021-BS	GG13107.D	1	04/14/10	JH	04/13/10	OP2021	GGG415
OP2021-BSD	GG13108.D	1	04/14/10	JH	04/13/10	OP2021	GGG415

The QC reported here applies to the following samples: Method: SW846 8015B M

C10610-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	100	81.5	82	80.1	80	2	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	81%	77%	45-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C10610
Account: GGTRCASF Golden Gate Tank Removal
Project: 40 Crocker Ave - Peidmont, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2025-BS	GG13144.D	1	04/15/10	JH	04/15/10	OP2025	GGG416
OP2025-BSD	GG13145.D	1	04/15/10	JH	04/15/10	OP2025	GGG416

The QC reported here applies to the following samples: Method: SW846 8015B M

C10610-1, C10610-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	1	0.679	68	0.741	74	9	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	74%	79%	45-140%

CERTIFICATE OF DISPOSAL

DATE:	April 13, 2010
PROJECT NUMBER:	9135
PROJECT ADDRESS:	40 Crocker Avenue, Piedmont, CA 94611
TANK SIZE:	1500 gallons
ORIGINAL TANK CONTENTS:	Diesel

Golden Gate Tank Removal, Inc. hereby issues CERTIFICATION that:

- This tank was cleaned by triple rinsing and allowable for disposal as scrap metal.
- The Oxygen content of the Tank was 20.9%
- The Lower Explosive Limit was 0%
- The above tank was rendered harmless by cutting and disposed of as scrap metal at Circosta Iron and Metal, Inc.
- The above method of tank destruction is suitable for the materials involved and is accepted by the City of Piedmont and Alameda County as an appropriate disposal method.

A copy of the scrap metal receipt is attached to this Certification. If there are any questions regarding this tank, please contact this office.

Golden Gate Tank Removal, Inc.

3730 Mission Street • San Francisco, CA 94110 • Tel 415.512.1555 • Fax 415.512.0964

CIRCOSTA IRON AND METAL, INC.

1801 EVANS AVENUE • SAN FRANCISCO, CALIFORNIA 94124
PHONE (415) 282-8568 FAX (415) 641-7804

BUY NUMBER
324155

CUSTOMER Golden Gate Tank

ADDRESS

LICENSE NO.

DRIVER'S LIC. NO.

JOB NO. NAME

TIME IN TIME OUT

DATE: 4/13/10

LBS. GROSS
9610
LBS. TARE
2560 LR
LBS. NET
7050
LBS. DEDUCTION

#1 HMS	☐	PREPARED	☐
#2 HMS	☐	UNPREPARED	☐
STRUCTURAL	☐		
RE-BAR	☐		
HMS and SHEET MIX	☐		
CLEAN SHEET	☐		
W/G	☐		
CAST IRON	☐		
M-BLOCKS	☐		
BODIES	☐		
NON FERROUS	☐		

APR 13 2010

WEIGHER

UNIT PRICE $ .070

AMOUNT $ 493.50

COMMENTS:

X _____
CUSTOMER SIGNATURE

BILL OF SALE: I hereby state that I am the lawful owner of the material described hereon, that I have a right to sell same and that for payment received in full, hereby acknowledged, I sell and convey title of same of the CIRCOSTA IRON & METAL CO.

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: [illegible]
2. Page 1 of: 1
3. Emergency Response Phone: [illegible]
4. Manifest Tracking Number: **004451096 JJK**

GENERATOR

5. Generator's Name and Mailing Address:
SPENCER & ROBERTA KATZ
40 CROCKER AVE
PIEDMONT CA 94611
Generator's Phone:

Generator's Site Address (if different than mailing address):
40 CROCKER AVE
PIEDMONT CA 94611

6. Transporter 1 Company Name: [illegible]
UNI WASTE
U.S. EPA ID Number:

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

8. Designated Facility Name and Site Address:
CLEARWATER ENVIRONMENTAL
2430 ALMOND DRIVE
SILVER SPRINGS NV 89429
Facility's Phone: [illegible]
U.S. EPA ID Number:

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 (DIESEL & WATER)	[illegible]	TT	400		[illegible]
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information:
WEAR PPE, ERG # 171

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 | Signature | Month 4 | Day 19 | Year 10

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: William Clark | Signature: William Clark | Month 04 | Day 19 | Year 10

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

18. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

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

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

GENERATOR'S INITIAL COPY

FAXED

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/ CONTAMINATION SITE REPORT

EMERGENCY ☐ Yes ☒ No

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ Yes ☐ No

REPORT DATE: 4/14/10

CASE #:

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PERSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.

SIGNED _____ DATE _____

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Annette Chen

PHONE: (415) 512-1555

SIGNATURE:

REPRESENTING: ☐ LOCAL AGENCY ☐ REGIONAL BOARD ☐ OWNER/OPERATOR ☒ OTHER... contractor

COMPANY OR AGENCY NAME: Golden Gate Tank Removal, Inc.

ADDRESS: 3730 Mission Street (STREET) San Francisco (CITY) CA (STATE) 94110 (ZIP)

RESPONSIBLE PARTY

NAME: Spencer & Roberta Kaitz ☐ Unknown

PHONE: 510-681-6976

ADDRESS: 40 Crocker Avenue (STREET) Piedmont (CITY) CA (STATE) 94611 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE):

OPERATOR:

PHONE:

ADDRESS: 40 Crocker Avenue (STREET) Piedmont (CITY) Alameda (COUNTY) 94611 (ZIP)

CROSS STREET: Wildwood Ave.

IMPLEMENTING AGENCIES

LOCAL AGENCY — AGENCY NAME: Alameda County Department of Environmental Health -Robert Weston

PHONE: (510)567-6781

REGIONAL BOARD

PHONE:

SUBSTANCES INVOLVED

(1) NAME: Diesel — QUANTITY LOST (GALLONS): _____ ☒ Unknown

(2) NAME: _____ QUANTITY LOST (GALLONS): _____ ☐ Unknown

DISCOVERY/ABATEMENT

DATE DISCOVERED: 4/13/10

HOW DISCOVERED: ☐ Tank Test ☒ Tank Removal ☐ Nuisance Conditions ☐ Inventory Control ☐ Subsurface Monitoring ☐ Other...

DATE DISCHARGE BEGAN: ☒ Unknown

HAS DISCHARGE BEEN STOPPED? ☒ Yes ☐ No 4/13/10 (IF YES, DATE)

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ Remove Contents ☒ Close Tank & Removed ☐ Repair Tank ☐ Change Procedure ☐ Replace Tank ☐ Other... ☐ Repair Piping

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ Tank Leak ☐ Piping Leak ☒ Unknown ☐ Other...

CAUSE(S): ☐ Overfill ☐ Corrosion ☐ Rupture/Failure ☒ Unknown ☐ Spill ☐ Other...

CASE TYPE

CHECK ONE ONLY: ☒ Undetermined ☐ Soil Only ☐ Groundwater ☐ Drinking Water - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY:
☒ No Action Taken
☐ Leak Being Confirmed
☐ Remediation Plan
☐ Preliminary Site Assessment Workplan Submitted
☐ Preliminary Site Assessment Underway
☐ Case Closed (Cleanup Completed or Unnecessary)
☐ Pollution Characterization
☐ Post Cleanup Monitoring in Progress
☐ Cleanup Underway

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S):
☐ Cap Site (CD)
☐ Contamination Barrier (CB)
☐ Vacuum Extract (VE)
☐ Excavate & Dispose (ED)
☐ Excavate & Treat (ET)
☐ No Action Required (NA)
☐ Remove Free Product (FP)
☐ Pump & Treat Groundwater (GT)
☐ Treatment at Hookup (HU)
☐ Enhanced Bio Degradation (IT)
☐ Replace Supply (RS)
☐ Vent Soil (VS)
☐ Other...

COMMENTS

Holes found in the tank.

UNIFIED PROGRAM CONSOLIDATED FORM
HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

Page ____ of ____

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3.

FACILITY ID# 1.

TANK OWNER NAME 740. Spencer & Roberta Kaitz

TANK OWNER ADDRESS 741. 40 Crocker Ave

TANK OWNER CITY 742. Piedmont | STATE 743. CA | ZIP CODE 744. 94611

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor			Concentration of Oxygen		
		Top	Center	Bottom	Top	Center	Bottom
1	9135 745.	0% 746a.	0% 746b.	0% 746c.	20.9% 747a.	20.9% 747b.	20.9% 747c.
2	748.	749a.	749b.	749c.	750a.	750b.	750c.
3	751.	752a.	752b.	752c.	753a.	753b.	753c.

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER

NAME OF CERTIFIER (Print) 754. Joshua Alexander

TITLE OF CERTIFIER 755. Project Manager

ADDRESS 756. 3730 Mission St.

CITY 757. San Francisco

PHONE 758. (415) 512-1555

DATE 759. 4/13/10

CERTIFICATION TIME

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760.

☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761

N/A

If certifier is other than CUPA / LIA check appropriate box below: 762.

- ☐ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☒ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763.

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☒ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764.

A copy of this certificate shall accompany the tank to the recycling/disposal facility and be provided to the agency overseeing tank closure (i.e. CUPA or other authorized local agency); the owner and/or operator of the tank system; and the tank removal contractor.

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL HEALTH SERVICES
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700

ACCEPTED
Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.
One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.
Any changes or alterations of these plans and specifications must be submitted to this this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.
Notify this Department at least 72 hours prior to the following required inspections:

- Removal of Tank(s) and Piping
- Sampling
- Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

"THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS:

Contact Specialist: Robert Weston
510 567-6781
APR 02 2010
See Table 2 for sample analysis

UNDERGROUND TANK CLOSURE PLAN
*** * * Complete plan according to attached instructions * * ***

1. Name of Business Golden Gate Tank Removal, Inc.
   Business Owner or Contact Person **(PRINT)** Joshua Alexander
2. Site Address 40 Crocker Ave., Piedmont, CA
   City Piedmont Zip 94611 Phone (510)681-6976
3. Mailing Address 3730 Mission Street
   City San Francisco Zip 94110 Phone (415) 512-1555
4. Property Owner Spencer & Roberta Kaitz
   Business Name (if applicable) 40 Crocker Avenue
   Address 40 Crocker Avenue
   City, State Piedmont CA Zip 94611
5. Generator name under which tank will be manifested
   Spencer & Roberta Kaitz
   EPA ID# under which tank will be manifested C A C 0 0 2 6 5 1 4 0 5

MARCH 11, 2010

SR0016630 [1]

6. Contractor Golden Gate Tank Removal, Inc.

Address 3730 Mission Street

City San Francisco Phone (415) 512-1555

License Type A C-8 HAZ ID# 616521

7. Consultant (if applicable) _____

Address _____

City, State _____ Phone _____

8. Main Contact Person for Investigation (if applicable)

Name Joshua Alexander Title Project Manager

Company Golden Gate Tank Removal, Inc.

Phone (415) 512-1555

9. Number of underground tanks being closed with this plan 1 (one)

Length of piping being removed under this plan up to 15 feet

Total number of underground tanks at this facility (**confirmed with owner or operator) 1 (to be removed)

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**** Underground storage tanks must be handled as hazardous waste ****

a) Product/Residual Sludge/Rinsate Transporter

Name Uniwaste , Inc. EPA I.D. No. CAL000317320

Hauler License No. 4919 License Exp. Date _____

Address P.O. Box 2404

City Union City State CA Zip _____

b) Product/Residual Sludge/Rinsate Disposal Site

Name Clearwater Environmental EPA ID# NVD982358483

Address 2430 Almond Drive

City Silver Springs State NV Zip 89429

c) Tank and Piping Transporter WE INTEND TO DISPOSE & TRANSPORT THIS AS NON HAZ, IF NOT

Name Ecology Control Industries EPA I.D. No. CAD 009 466 392

Hauler License No. 1533 License Exp. Date 04/06/2017

Address 255 Parr Road

City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site WE INTEND TO DISPOSE & TRANSPORT THIS AS NON HAZ, IF NOT

Name Ecology Control Industries EPA I.D. No. CAD 009 466 392

Address 255 Parr Road

City Richmond State CA Zip 94801

11. Sample Collector

Name Joshua Alexander

Company Golden Gate Tank Removal, Inc.

Address 3730 Mission Street

City San Francisco State CA Zip 94110 Phone (415) 512-1555

12. Laboratory

Name Accutest Laboratories

Address 3334 Victor court

City Santa Clara State CA Zip 95054

State Certification No. 2346

13. Have tanks or pipes leaked in the past? Yes[ ] No[ ] Unknown[X]

If yes, describe. _____

14. Describe methods to be used for rendering tank(s) inert:

removal of product, purge, introduce dry ice to reduce vapors

flush lines and triple rinse with water, if necessary

pump to vacuum truck, steam clean tank

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. **It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.**

15. Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil. groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1500 Gallons	unknown	soil samples & water if present	1. stockpile 2. north/ east end of excavation 3. south/west end of excavation bottom of tank- max 15 feet

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated) 10-20 yards	Sampling Plan or 4 point composite for every 20 cubic yards

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [ ] yes [ ] no [X] unknown

If yes, explain reasoning _____

_____

If unknown at this point in time, please be aware that **excavated soil may not be returned to the excavation without <u>prior</u> approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.**

TABLE #2
REVISED 21 NOVEMBER 2003

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS (SW-846 METHOD)		WATER ANALYSIS (Water/Waste Water Method)	
Gasoline (Leaded and Unleaded)	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA	TOTAL LEAD	AA
		--Optional--		
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
Unknown Fuel	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	TOTAL LEAD	AA	TOTAL LEAD	AA
		--Optional--		
	Organic Lead	DHS-LUFT	Organic Lead	DHS-LUFT
Diesel, Jet Fuel, Kerosene, and Fuel/Heating Oil	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260	BTEX	524.2/624 (8260)
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
Chlorinated Solvents	CL HC	8260	CL HC	524.2/624 (8260)
	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
	1,4-Dioxane	8270M	1,4-Dioxane	8270M
Non-chlorinated Solvents	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	BTEX	8260 or 8021	BTEX	524.2/624 (8260) or 502.2/602 (8021)
Waste, Used, or Unknown Oil	TPHG	8015M or 8260	TPHG	8015M or 524.2/624 (8260)
	TPHD	8015M or 8260	TPHD	8015M or 524.2/624 (8260)
	O&G	9070	O&G	418.1
	BTEX	8260	BTEX	524.2/624 (8260)
	CL HC	8260	CL HC	524.2/624 (8260)
	1,4-Dioxane	8270M	1,4-Dioxane	8270M
	EDB and EDC	8260	EDB and EDC	524.2/624 (8260)
	MTBE, TAME, ETBE, DIPE, TBA, and EtOH by 8260 for soil and 524.2/624 (8260) for water			
	METALS (Cd, Cr, Pb, Ni, Zn) by ICAP or AA for soil water			
	PCB*, PCP*, PNA, CREOSOTE by 8270 for soil and 524/625 (8270) for water			
	* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)			

NOTES:

1. 8021 replaces old methods 8020 and 8010
2. 8260 replaces old method 8240
3. Reference: Table B-1 in Appendix B of "Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators" (EPA 510-B-97-001).

16. Chemical methods and associated detection limits to be used for analyzing sample(s):

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits shall be followed.

See Table 2, Recommended Minimum Verification Analyses for Underground Tank Leaks.

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
Benzene	8021B	SW8020F	0.005 PPM
Toluene	8021B	SW8020F	0.005 PPM
Ethylbenzene	8021B	SW8020F	0.005 PPM
Xylenes	8021 B	SW8020F	0.010 PPM
MTBE	8015M/8021B	SW8020F	0.005 PPM
TPH-D	8015M	CATFH	1.0 PPM

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit copy of Worker's Compensation Certificate

    Name of Insurer State Fund Compensation Insurance

19. Submit Plot Plan (See Instructions)

20. Enclose Fee (See Instructions)

21. **Report all leaks or contamination to this office within 5 days of discovery.** The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (URL) form.

22. Submit a closure report to this office within 60 days of the tank removal. The closure report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "Tank Removed" in the upper right hand corner, if applicable).

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Golden Gate Tank Removal, Inc.

Name of Individual Annette Chen - Project Coordinator

Signature Annette Chen Date 3/9/10

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business _____

Name of Individual Spencer & Roberta Kaitz

Signature _____ Date 3/9/10

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK

OPERATING PERMIT APPLICATION – FACILITY INFORMATION

(One form per facility)

TYPE OF ACTION (Check one item only) 400.
☐ 1. NEW PERMIT ☐ 5. CHANGE OF INFORMATION ☒ 7. PERMANENT FACILITY CLOSURE
☐ 3. RENEWAL PERMIT ☐ 6. TEMPORARY FACILITY CLOSURE ☐ 9. TRANSFER PERMIT

I. FACILITY INFORMATION

TOTAL NUMBER OF USTs AT FACILITY 404.: 1 (One)	FACILITY ID # (Agency Use Only) 1.:
BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) 3.: Residential	
BUSINESS SITE ADDRESS 103.: 40 Crocker Avenue	CITY 104.: Piedmont
FACILITY TYPE 403.: ☐ 1. MOTOR VEHICLE FUELING ☐ 2. FUEL DISTRIBUTION ☐ 3. FARM ☐ 4. PROCESSOR ☒ 6. OTHER	Is the facility located on Indian Reservation or Trust lands? 405.: ☐ 1. Yes ☒ 2. No

II. PROPERTY OWNER INFORMATION

PROPERTY OWNER NAME 407.: Spencer & Roberta Kaitz	PHONE 408.: (510) 681-6976
MAILING ADDRESS 409.: 40 Crocker Avenue	
CITY 410.: Piedmont	STATE 411.: CA / ZIP CODE 412.: 94611

III. TANK OPERATOR INFORMATION

TANK OPERATOR NAME 428-1.: Same as #2	PHONE 428-2.: ( )
MAILING ADDRESS 428-3.:	
CITY 428-4.:	STATE 428-5.: / ZIP CODE 428-6.:

IV. TANK OWNER INFORMATION

TANK OWNER NAME 414.: Same as #2	PHONE 415.: ( )
MAILING ADDRESS 416.:	
CITY 417.:	STATE 418.: / ZIP CODE 419.:

OWNER TYPE: 420.
☐ 4. LOCAL AGENCY/DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY
☐ 7. FEDERAL AGENCY ☒ 8. NON-GOVERNMENT

V. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ 44- | | | | | | | | Call the State Board of Equalization, Fuel Tax Division, if there are questions. 421.

VI. PERMIT HOLDER INFORMATION

Issue permit and send legal notifications and mailings to: 423.
☐ 1. FACILITY OWNER ☐ 4. TANK OPERATOR
☒ 3. TANK OWNER ☐ 5. FACILITY OPERATOR

SUPERVISOR OF DIVISION, SECTION, OR OFFICE (Required for Public Agencies Only) 406.:

VII. APPLICANT SIGNATURE

CERTIFICATION: I certify that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE: ✕ Annette Chen (Signature invalid)	DATE 424.: 3/12/10	PHONE 425.: (415) 512-1555
APPLICANT NAME (print) 426.: Annette Chen - On Behalf of Owner	APPLICANT TITLE 427.: Project Coordinator	

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – TANK INFORMATION (One form per UST)

TYPE OF ACTION *(Check one item only. For a UST closure or removal, complete only this section and Sections I, II, III, IV, and IX below)* 430.
☐ 1. NEW PERMIT ☐ 3. RENEWAL PERMIT ☐ 5. CHANGE OF INFORMATION
☐ 6. TEMPORARY UST CLOSURE ☐ 7. UST PERMANENT CLOSURE ON SITE ☒ 8. UST REMOVAL

DATE UST PERMANENTLY CLOSED: 430a. | DATE EXISTING UST DISCOVERED: 2/18/10 430b.

I. FACILITY INFORMATION

FACILITY ID # *(Agency Use Only)* 1.

BUSINESS NAME *(Same as Facility Name or DBA – Doing Business As)* Residential 3.

BUSINESS SITE ADDRESS 103. 40 Crocker Avenue | CITY 104. Piedmont

II. TANK DESCRIPTION

TANK ID # 432.	TANK MANUFACTURER 433.	TANK CONFIGURATION: THIS TANK IS 434.
Unknown	Unknown	☐ 1. A STAND-ALONE TANK ☐ 2. ONE IN A COMPARTMENTED UNIT (Complete one page for each compartment in the unit.)
DATE UST SYSTEM INSTALLED 435.	TANK CAPACITY IN GALLONS 436.	NUMBER OF COMPARTMENTS IN THE UNIT 437.
Unknown	1500 gallons	One

III. TANK USE AND CONTENTS

TANK USE 439.
☒ 1a. MOTOR VEHICLE FUELING ☐ 1b. MARINA FUELING ☐ 1c. AVIATION FUELING
☐ 3. CHEMICAL PRODUCT STORAGE ☐ 4. HAZARDOUS WASTE (Includes Used Oil) ☐ 5. EMERGENCY GENERATOR FUEL [HSC §25281.5(c)]
☐ 6. OTHER GENERATOR FUEL ☐ 95. UNKNOWN ☒ 99. OTHER (Specify): Heating Oil 439a.

CONTENTS 440.
PETROLEUM: ☐ 1a. REGULAR UNLEADED ☐ 1c. MIDGRADE UNLEADED ☐ 1b. PREMIUM UNLEADED
☐ 3. DIESEL ☐ 5. JET FUEL ☐ 6. AVIATION GAS
☐ 8. PETROLEUM BLEND FUEL ☒ 9. OTHER PETROLEUM (Specify): Heating Oil 440a.
NON-PETROLEUM: ☐ 7. USED OIL ☐ 10. ETHANOL
☐ 11. OTHER NON-PETROLEUM (Specify): 440b.

IV. TANK CONSTRUCTION

TYPE OF TANK ☒ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 95. UNKNOWN 443.

PRIMARY CONTAINMENT 444.
☒ 1. STEEL ☐ 3. FIBERGLASS ☐ 6. INTERNAL BLADDER
☐ 7. STEEL + INTERNAL LINING ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 444a.

SECONDARY CONTAINMENT 445.
☐ 1. STEEL ☐ 3. FIBERGLASS ☐ 6. EXTERIOR MEMBRANE LINER ☐ 7. JACKETED
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 445a.

OVERFILL PREVENTION 452.
☐ 1. AUDIBLE & VISUAL ALARMS ☐ 2. BALL FLOAT ☐ 3. FILL TUBE SHUT-OFF VALVE
☐ 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION 460.
☒ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 99. OTHER

SYSTEM TYPE 458.
☐ 1. PRESSURE ☐ 2. GRAVITY ☐ 3. CONVENTIONAL SUCTION ☒ 4. SAFE SUCTION [23 CCR §2636(a)(3)]

PRIMARY CONTAINMENT 464.
☒ 1. STEEL ☐ 4. FIBERGLASS ☐ 8. FLEXIBLE ☐ 10. RIGID PLASTIC
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 464a.

SECONDARY CONTAINMENT 464b.
☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 8. FLEXIBLE ☐ 10. RIGID PLASTIC
☐ 90. NONE ☐ 95. UNKNOWN ☐ 99. OTHER (Specify): 464c.

PIPING/TURBINE CONTAINMENT SUMP TYPE ☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 90. NONE 464d.

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 10. RIGID PLASTIC ☐ 90. NONE ☐ 99. OTHER (Specify): 464e. 464e1.

VENT SECONDARY CONTAINMENT ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 10. RIGID PLASTIC ☐ 90. NONE ☐ 99. OTHER (Specify): 464f. 464f1.

VR PRIMARY CONTAINMENT ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 10. RIGID PLASTIC ☐ 90. NONE ☐ 99. OTHER (Specify): 464g. 464g1.

VR SECONDARY CONTAINMENT ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 10. RIGID PLASTIC ☐ 90. NONE ☐ 99. OTHER (Specify): 464h. 464h1.

VENT PIPING TRANSITION SUMP TYPE ☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 90. NONE 464i.

RISER PRIMARY CONTAINMENT ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 10. RIGID PLASTIC ☐ 90. NONE ☐ 99. OTHER (Specify): 464j. 464j1.

RISER SECONDARY CONTAINMENT ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 10. RIGID PLASTIC ☐ 90. NONE ☐ 99. OTHER (Specify): 464k. 464k1.

FILL COMPONENTS INSTALLED ☐ 1. SPILL BUCKET ☐ 3. STRIKER PLATE/BOTTOM PROTECTOR ☐ 4. CONTAINMENT SUMP 451a-c.

VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE ☐ 1. SINGLE WALL ☐ 2. DOUBLE WALL ☐ 3. NO DISPENSERS ☐ 90. NONE 469a.

CONSTRUCTION MATERIAL ☐ 1. STEEL ☐ 4. FIBERGLASS ☐ 10. RIGID PLASTIC ☐ 99. OTHER (Specify) 469b. 469c.

VIII. CORROSION PROTECTION

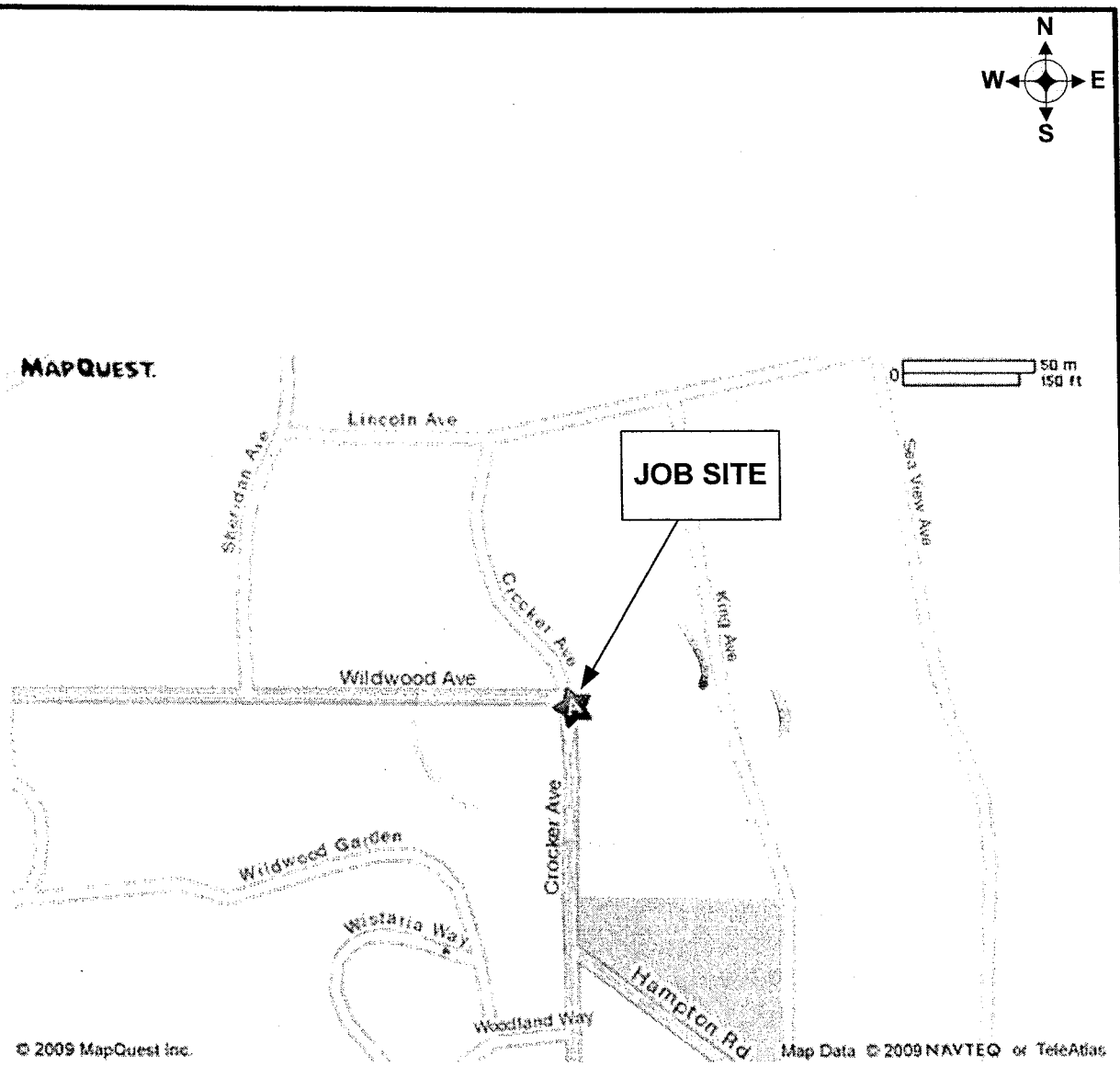
STEEL COMPONENT PROTECTION ☐ 2. SACRIFICIAL ANODE(S) ☐ 4. IMPRESSED CURRENT ☐ 6. ISOLATION 448.

IX. APPLICANT SIGNATURE

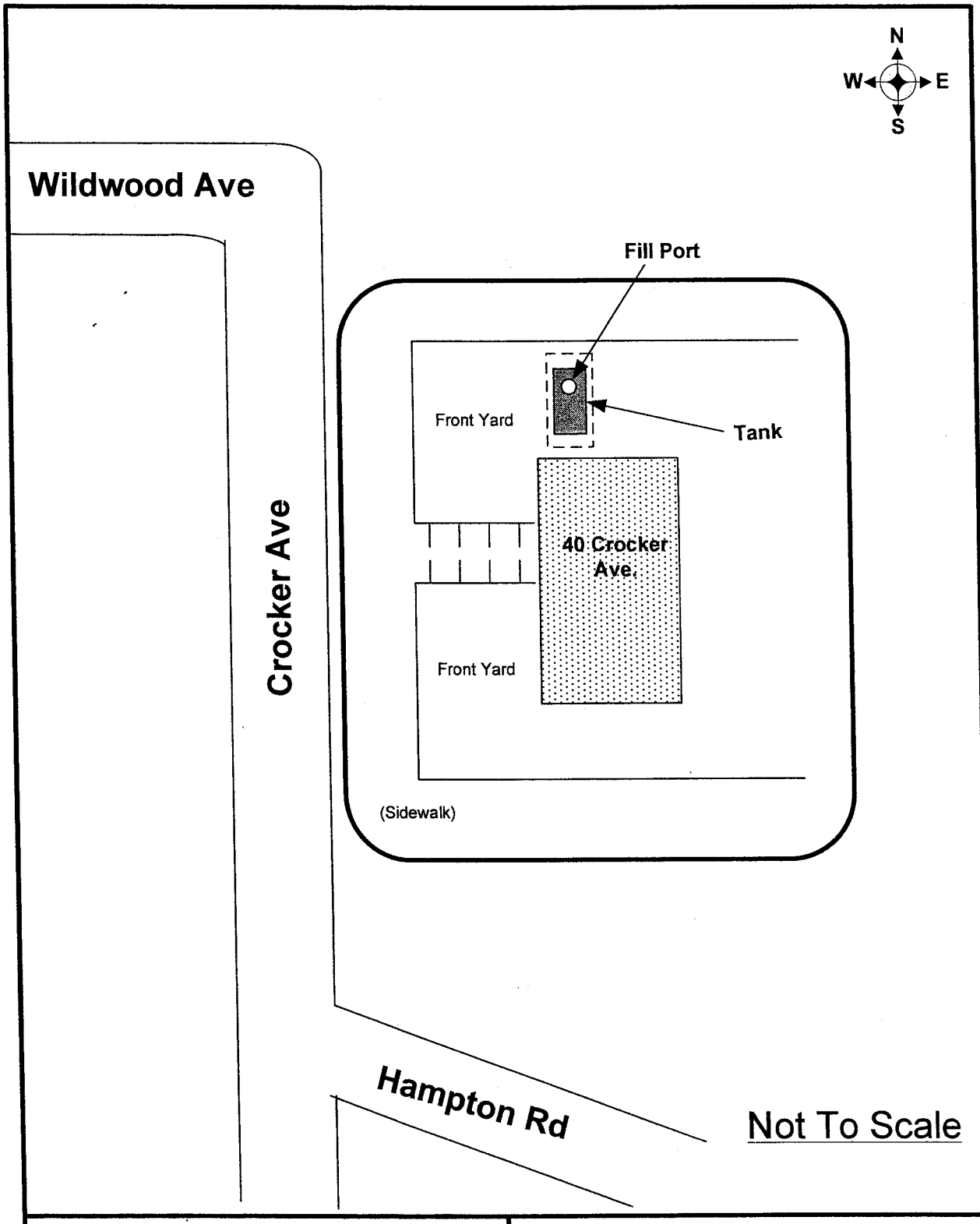
CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE ✕ Annette Chen (Digitally signed by Annette Chen DN: cn=Annette Chen, o=E Date: 2010.03.12 16:33:29 -08'00') | DATE 3/12/10 470.

APPLICANT NAME (print) 471. Annette Chen - On Behalf of Owner | APPLICANT TITLE 472. Project Coordinator



GOLDEN GATE TANK REMOVAL, INC. 3730 Mission Street San Francisco, CA 94110 Ph (415) 512-1555 Fx (415) 512-0964		**VICINITY MAP** 40 Crocker Avenue Piedmont, CA 94611	
GGTR Project No.9135	*Drawing By: AC*	March 2010	***Figure 1***



GOLDEN GATE TANK REMOVAL, INC. 3730 Mission Street San Francisco, CA 94110 Ph (415) 512-1555 Fx (415) 512-0964	**Site Drawing** 40 Crocker Avenue Piedmont, CA 94611

GGTR Project No. 9135	*Drawing By: AC*	March 2010	***Figure 2***

Department of Toxic Substances Control

DTSC: HWTS Reports

HWTS EPA ID Profile

EPA ID: CAC002651405 **Name:** SPENCER ROBERTA KAITZ
Status: ACTIVE **Inactive Date:** **Contact:** PETER GRUENEWALD
County: ALAMEDA **SIC:** **Record Entered:** 2010-03-09 **Last updated:** 2010-03-09

	Name	Address	City	State	ZIP	Phone
Location	SPENCER ROBERTA KAITZ	40 CROCKER AVE	PIEDMONT	CA	946113823	
Mailing		40 CROCKER AVE	PIEDMONT	CA	946113823	
Owner	SPENCER ROBERTA KAITZ	40 CROCKER AVE	PIEDMONT	CA	946113823	5106816976
Oper/Contact	PETER GRUENEWALD	40 CROCKER AVE	PIEDMONT	CA	946113823	5106816976

Based ONLY upon EPA ID: CAC002651405:

Calif. Manifests?	Out-of-State Manifests?	Transporter Registration?	Toxic Release Inventory Data?	Calsites Data?
NO	NO	NO	NO	NO

End of Report

HOME DG TOP

JOHN CARVER CONSULTING
Civil Engineer 23772

PROJECT:	Underground Storage Tank Removal	Project: 9135
ADDRESS:	40 Crocker Avenue, Piedmont, California	Date: 04/08/10
FOR:	GOLDEN GATE TANK REMOVAL	Page: 1 of 6

TANK EXCAVATION SHORING CALCULATIONS

Wooden shoring designed as temporary braced cofferdam

INDEX

SUMMARY

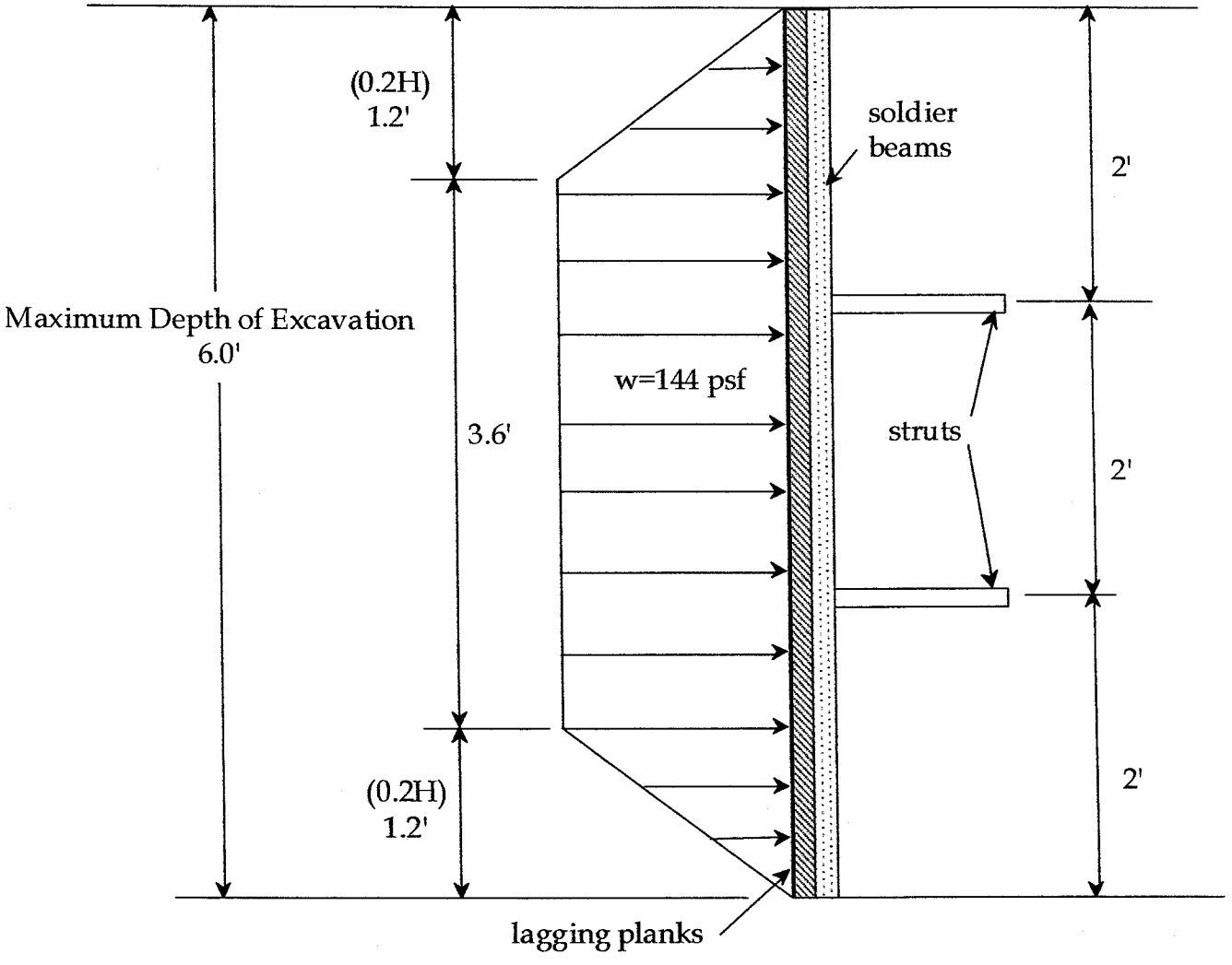
Maximum depth of Excavation	6 feet	
Maximum size of Excavation	11 feet by 6 feet	
Lagging	3 x12 Douglas Fir or Larch dense,	select structural for 11 foot side
	2 x12 Douglas Fir or Larch dense,	construction for 6 foot side
Soldier Beams	4x4 Douglas Fir or Larch	Construction Grade
Struts	4x4 Douglas Fir or Larch	Construction Grade

670 Vernon Street #401, Oakland, CA 94610
Telephone (415) 235 4648 Fax (510) 595 6821

JOHN CARVER CONSULTING
Civil Engineer 23772

PROJECT:	Underground Storage Tank Removal	Project:	9135
ADDRESS:	40 Crocker Avenue, Piedmont, California	Date:	04/08/10
FOR:	GOLDEN GATE TANK REMOVAL	Page:	2 of 6

Soil Parameters for general braced excavations in typical San Francisco soils



SOIL PRESSURE DIAGRAM

Assumed Soil Properties: No surcharge load,
Medium dense sand to clayey sand, water table below excavation.
K = 0.30, active soil pressure for medium dense sand, NAVDOC
δ = 0 angle of wall friction, (conservative)
Γ = 100 pounds per cubic foot (dry density of soil)
w = (0.8) (K) (H) (G) cos 0° = (0.8) (0.3) (6) (100) (1) = 144 psf

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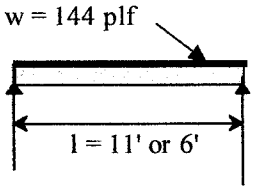
Design of Lagging Planks



$$M_{11} = \frac{wl^2}{8} = \frac{(144)(11)(11)}{8} = 2178 \text{ ft-lbs}$$

$$M_6 = \frac{wl^2}{8} = \frac{(144)(6)(6)}{8} = 648 \text{ ft-lbs}$$

For 11 foot length, try 3 x 12 plank, Douglas Fir or Larch dense select $F_b = 2050$ psi.

For 6 foot length try 2 x 12 DF or L, dense construction, $F_b = 1750$ psi.

$$S_{11} = \frac{bd^2}{6} = \frac{(11.5)(2.5)(2.5)}{6} = 12 \text{ inch}^3$$

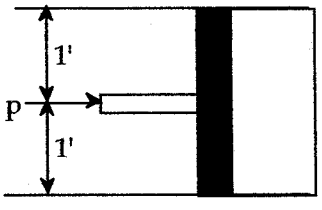
$$S_{reqd} = \frac{Mb}{F_b} = \frac{(2178)(11.5)}{(2050)} = 12.2 \approx 12 \text{ OK}$$

$$S_6 = \frac{(11.5)(1.5)(1.5)}{6} = 4.3 \text{ inch}^3$$

$$S_{reqd} = \frac{(648)(11.5)}{(1750)} = 4.3 \text{ OK}$$

Design of Soldier Beam (bending on both axis)

Excavation 11' x 6'



$$M = \frac{Pl}{4}$$

$$M_y = \frac{Pl}{4} = \frac{(792)(2)}{4} = 396 \text{ ft-lbs}$$

$$M_x = \frac{Pl}{4} = \frac{(432)(2)}{4} = 216 \text{ ft-lbs}$$

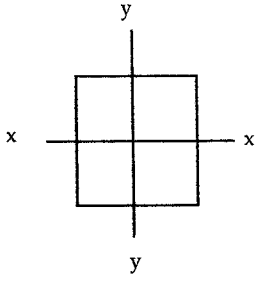
$$\frac{M_x}{S_x} + \frac{M_y}{S_y} \leq F_b = 1350 \text{ psi}$$

$p_y = (144)(5.5) = 792$ lbs

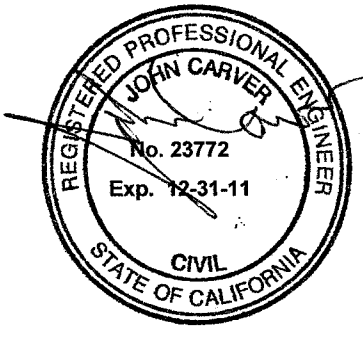
$p_x = (144)(3.5) = 432$ lbs

Try 4 x 4 soldier beam

$$\frac{396 \text{ ft-lbs } (12 \text{ in/ft})}{\frac{(3.5)^3}{6}} + \frac{216 \text{ ft-lbs } (12 \text{ in/ft})}{\frac{(3.5)^3}{6}}$$



$= 665 + 362 = 1027$ psi $\leq$ 1350. Use 4 x4 Construction grade DF



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Design of Struts

Try 4" x 4 D.F. L. Construction grade, actual dimensions are 3.5" x 3.5"

P = load on strut = 2' x 5.5' x 144 psf = 1584 lbs

L = length of strut = 6'

d = thickness of strut = 3.5"

$\frac{L}{d} = \frac{6 \text{ ft} \times 12 \text{ in/ft}}{3.5"} = 21 \geq 11$, as intermediate column and ≤ 50, design as simple solid column.

$F'_c = \frac{0.30E}{\left(\frac{L}{d}\right)^2} = \frac{(0.30)\ (1{,}500{,}000)}{(21)^2} = 1020$ psi

Allowable Load = $P_a = (F'_c)(d)^2 = (1020)\ (3.5)\ (3.5) = 12{,}495 \geq 1584$ lbs

4" x 4" D.F. L. Construction grade OK

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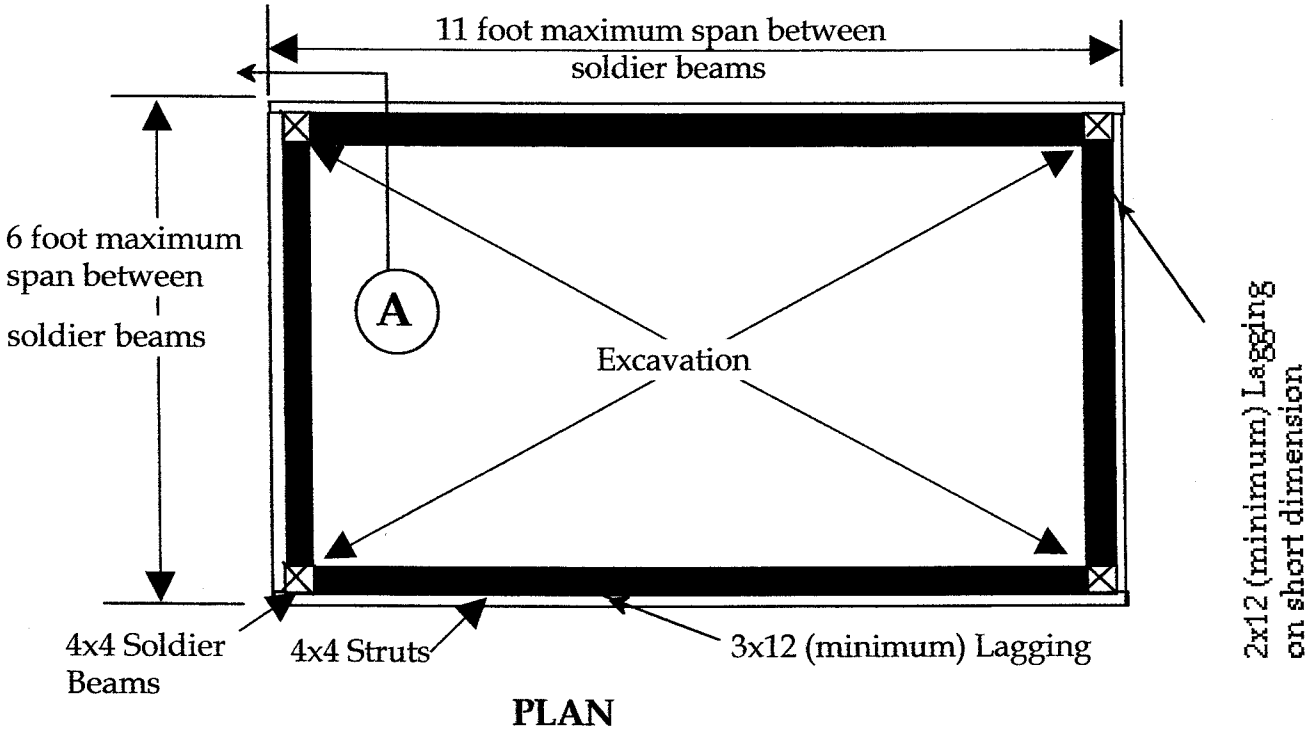
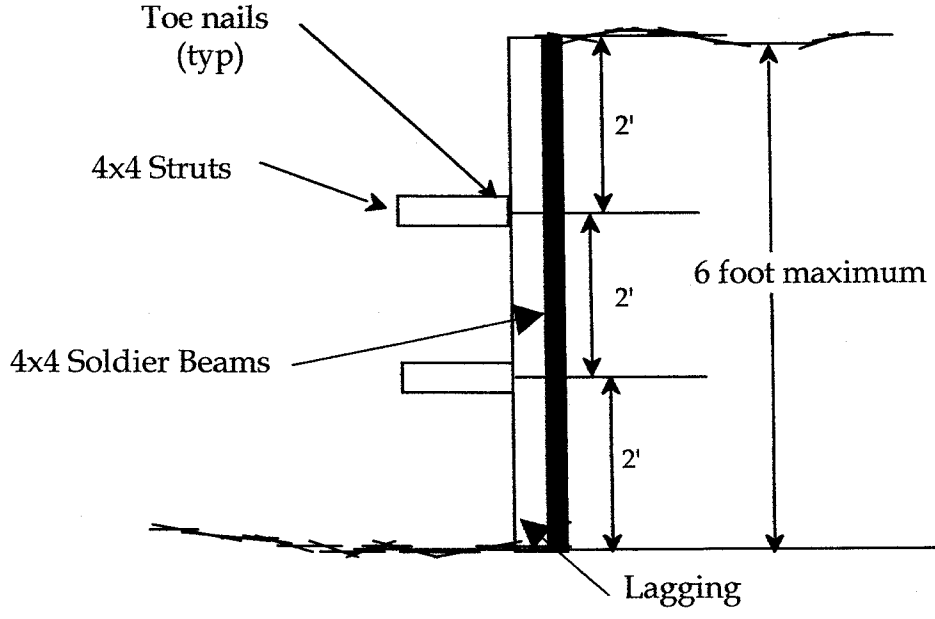


PLAN



Section A

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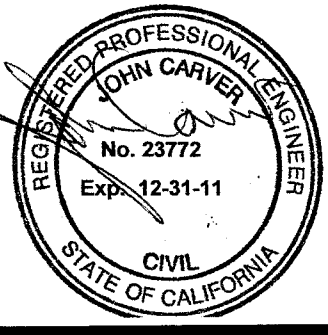

GENERAL NOTES

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1. All construction shall conform to the local Building and Safety Codes and to the rules and regulation of all agencies having jurisdiction.
2. The Contractor shall verify all existing grades as shown on the drawings and any variation which would modify the shoring system shall be reported to the engineer.
3. General site excavation, installation of shoring system work shall be coordinated with the tank removal to prevent loss of ground and caving of banks.
4. Shoring systems are intended only as a temporary means of retaining the excavated banks during tank removal.
5. The Engineer or an authorized testing and inspection agency, shall provide intermittent observation services for installation of shoring system to confirm conformance of the work with the drawings. Such service shall be furnished by General Contractor or Owner of Project.
6. Shoring system design was based on soil information provided by John Carver Consulting Civil Engineer on nearby properties.
7. Settlement and deflection readings, if required shall be made by a qualified surveyor provided by the General Contractor.
8. The Contractors shall verify the location of all utilities and shall protect from harm as required to prevent damage and to maintain their use. Consult the engineer if utility lines or piping are encountered during shoring construction. Use care in installation so that indications of utilities in the way are recognized.
9. All structural details or shapes shown are minimum sizes required, equal or greater sizes may be substituted with the Engineer's prior approval.
10. Any damage to adjoining properties, streets, or utilities, caused by shoring work shall be repaired and restored to original condition at Shoring Contractors expense.
11. Stockpiling or storage of materials on or near shoring bulkhead is not permitted unless noted on drawings or with prior approval of the Engineer.
12. Any conditions which vary from the basic assumptions made in these calculations shall be brought to the attention of the engineer. Additional details will be provided for actual conditions.

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