	DEPARTMENT OF ENV 1131 HARBOR ALAMEDA, C PHONE (51	BAY PARKWAY A 94502-6577
ACCEPTED	Reference Blorege Tenk Closure Nermit Application Anneda County Division of Haracdoue Menter 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 34502-8577 These description and second and bund of the and Local Health Laws. Changes to your closure and closed by this Department are to assure complement of the and Local Health Laws. Changes to your closure and closed by this Department are to assure complement state and local laws. The project proposed herein a no restruction/hestruction. The cony of the accepted part must be on the job and willow in a "contractors and contismen knowed with the movel.	Erra Inspection Final Inspection Seminor of all permits to operate, by permeter a resultance of all permits to operate by permeter a resultance of all permits of permits and regulation and all applicable laws and regulation. There is dependent on compliance with regulation of obsaulties in and regulation. There is a permit of regulation of the regulation of the the regulation of the regulation of the regulation of the regulation of the regulati
	UNDERGROUND STORAG	E TANK CLOSURE PLAN ccording to instructions * * *
1.	Name of Business <u>3820 Penniman Ave.</u>	
	Business Owner or Contact Person (PRIN	Г)
2.	Site Address 3820 Penniman Avenue	
	City, State Oakland, CA	Zip <u>94619</u> Phone <u>510-543-3300</u>
3.	Mailing Address 3701 Lakeshore Avenue	
	City, State Oakland, CA	Zip <u>94610</u> Phone <u>510-543-3300</u>
4.	Property Owner Kuen C. Lau and Sar P k	wan
	Business Name (if applicable)	
	Address 3701 Lakeshore Avenue	
	City, State Oakland, CA	Zip <u>94610</u> Phone <u>510-543-3300</u>
5.	Generator name under which tank will be	nanifested
	Kuen C. Lau and Sar P Kwan	
	EPA I.D. No. under which tank(s) will be n	anifested <u>C</u> A C 0 0 2 8 3 1 8 1 7
		ACTADED 16 2015
	09/17/03 RW P-CUPA-TEAMS\CUPA\UST Closure Package -	остовек 16, 2015 SR0028794

6	Cor	tractor <u>Golden Gate Tank Removal, Inc</u>	•	
	Add	ress 1480 Carroll Avenue		
	City	, State <u>San Francisco, CA</u>	Zip <u>94124</u>	Phone 415-512-1555
	Lice	ense Type <u>A C-8, Haz</u>	ID# 616	521
7.	Cor	sultant (if applicable) Iris Environmental		
	Add	ress 1438 Webster, #302		
	City	, State <u>Oakland</u>	Zip <u>94612</u>	Phone <u>510-834-4747</u>
8.	Mai	n Contact Person for Investigation (if app	licable)	
	Nan	ne Tim Hallen	Title Proj	ect Manager
	Con	npany Golden Gate Tank Removal, Inc.	2.11	
	Pho	ne 415-512-1555		
9.	Nun	nber of underground tanks being closed	with this plan <u>2(tw</u>	<u>(0)</u>
	Len	gth of piping being removed under this p	lan up to 15 feet	Sa Start Sugar
	Tota	al number underground tanks at this facil	ity (**confirmed wi	th owner or operator) two
10.	Stat	e Registered Hazardous Waste Transpo	rters/Facilities (Se	e Instructions).
	a)	Product/Residual Sludge/Rinsate Trans	sporter	
		Name NRC Environmental Services	EPA	I.D. No. <u>CAR000030114</u>
		Hauler License No. <u>114013</u>	Licens	e Exp. Date
		Address 1605 Ferry Point		
		City, State Alameda, CA		Zip <u>94501</u>
	b)	Product/Residual Sludge/Rinsate Dispo	osal Site	
		Name Riverbank Oil Transfer, LLC	EPA	I.D. No. <u>CAL000190816</u>
		Address 5300 Claus Road, Bldg 11		
		City, State <u>Riverbank, CA</u>		Zip <u>95367</u>

	c)	Tank and Piping Transporter								
		Name <u>Golden Gate Tank Removal, Inc. (Dis</u>	Name <u>Golden Gate Tank Removal, Inc. (Dispose & Transport as Non Haz)</u> EPA I.D. No.							
		Hauler License No	Licens	e Exp. Date						
	d)	Tank and Piping Disposal Site								
		Name Circosta Scrap Metal	EPA	I.D. No. <u>CAD983650797</u>						
		Address 1801 Evans Ave.								
		City, State San Francisco, CA		Zip <u>94124</u>						
11.	San	nple Collector								
	Nan	me <u>Craig Pelletier</u>		A State State State						
	Con	mpany Iris Environmental								
	Add	Iress <u>1438 Webster, #302</u>								
	City	v, State <u>Oakland, CA</u>	Zip <u>94612</u>	Phone						
12.	Lab	oratory								
	Name									
	Con	npany Curtis & Thompkins Laboratories								
	Add	Iress 2323 5 th Street		a section of the sect						
	City	, State Berkeley, CA		Zip <u>94710</u>						
	Stat	te Certification No		Carlos and and an						
13.	Hav	ve tank(s) or piping leaked in the past? Y	'es[] No[]	Unknown [X]						
	lf ye	es, describe:								
14.	Des	scribe method(s) to be used for rendering	tank(s) inert:							
	Flus	sh lines and triple rinse with water, if nece	essary							
	Rer	Removal of product, purge, introduce dry ice to reduce vapors								
	Rei	Remove the tanks								
	Cer	Certify it as clean or non hazardous								
	Hau	Il tanks as scrap metal		State State						
	Hau	Il rinsate as haz mat under manifest								

Before tank(s) 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 verity tank inertness. It is the contractor's responsibility to have a functional combustible gas indicator on-site to verity that the tank(s) is inerted.

Tank			
Capacity (gallons)	Use History include date last used (estimated)	Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Sample(s)
750 Gallons & 1000 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

15. Tank History and Sampling Information ***(See Instructions)***

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

Excavated/Stockpiled Soil						
Stockpiled Soil Volume (estimated)	Sampling Plan					
10-20 yards	4 point composite for every 50 cubic yards 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.

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
See attached minimum verification analyses			

- 17. Submit Site Health and Safety Plan (See Instructions)
- 18. Submit Worker's Compensation Certificate copy

Name of Insurer State Fund Compensation Insurance

- 19. Submit Plot Plan ***(See Instructions)***
- 20. Enclose Deposit (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).

MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND STORAGE TANK SITES

Alameda County Department of Environmental Health

Certified Unified Program Agency (CUPA) and Local Oversight Program (LOP)

1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

(510) 567-6700

http://www.acgov.org/aceh/

This document describes required laboratory analyses for soil and groundwater samples collected for underground storage tank (UST) sites. These requirements replace those previously described in the Unidocs guidance document entitled, "Recommended Minimum Verification Analyses for Underground Storage Tank Leaks" (UN-078). Analytes may be added or deleted during site characterization and remediation with approval from ACDEH.

		Analytical Method			
Inleaded IPP as gasoline C5-C12 BTEX, MTBE, TBA, naphthalene, EDB, EDC, and ethanol ² Lead ³ Jnknown Fuel Same analytes as for gasoline TPH as diesel C12-C22 Diesel, Jet Fuel, Kerosene, or Fuel Oil BTEX, MTBE, and naphthalene Volatile Organic Compounds (full scan including BTEX, naphthalene, and chlorinated hydrocarbons) TPH as gasoline C5-C12 Vaste Oil, Used Oil, Inknown Oil, or Bunker	Soll	Groundwater			
Gasoline Leaded or	TPH as gasoline C5-C12	EPA 8260B/C	EPA 8260B/C		
		EPA 8260B/C	EPA 8260B/C		
	Lead ³	EPA 6010	No analysis ⁴		
Unknown Fuel	Same analytes as for gasoline	As above	As above		
and the second second	TPH as diesel C12-C22	EPA 8015	EPA 8015		
Diesel, Jet Fuel, Kerosene, or Fuel Oil	TPH specific to fuel (e.g. TPH as kerosene)	EPA 8015	EPA 8015		
	BTEX, MTBE, and naphthalene	EPA 8260B/C	EPA 8260B/C		
Chlorinated Solvents	BTEX, naphthalene, and chlorinated	EPA 8260B/C full scan	EPA 8260B/C full scan		
	TPH as Stoddard Solvent C7-C12	EPA-8015-	EPA 8015		
Waste Oil, Used Oil, Unknown Oil, or Bunker	TPH as gasoline C5-C12	EPA 8260B/C	EPA 8260B/C		
Fuel	TPH as diesel C12-C22	EPA 8015	EPA 8015		
	TPH as motor oil C23-C32 ⁵	EPA 8015	No analysis ⁴		
	Volatile Organic Compounds (full scan including BTEX, MTBE, TBA, naphthalene, and chlorinated hydrocarbons)	EPA 8260B/C full scan	EPA 8260B/C full scan		
	Metals: Cd, Cr, Pb, Ni, Zn	EPA 6010	No analysis ⁴		
	PCBs	EPA 8082A	EPA 8082A		
	Semi Volatile Organic Compounds (including PAHs ⁶ , pentachlorophenol, and creosote)	EPA 8270	EPA 8270		

Notes:

1. Silica gel cleanup is not to be performed for any of the above analyses.

 Benzene, Toluene, Ethylbenzene, Xylenes (BTEX), Methyl tertiary Butyl Ether (MTBE), Tert Butyl Alcohol (TBA), lead scavengers Ethylene Dibromide (EDB) and Ethylene Dichloride (EDC), and ethanol. Additional fuel oxygenates Tert amyl ether (TAME), di-isopropyl ether (DIPE), and Ethyl t-butyl ether (ETBE) may be added as optional analytes.

- 3. Organic lead may be added as an optional analyte at fuel leak sites where lead is an analyte.
- 4. No groundwater sample for metals or TPH as motor oil is required unless requested by ACEH.

5. For USTs that potentially contained oils that are not petroleum-based, analysis for hexane extractable materials using EPA Method 9071B for soil and EPA Method 1664 for water is required.

Polycyclic aromatic hydrocarbon (PAH) analysis must include naphthalene, acenaphthene, acenaphthylene, anthracene, chrysene, fluorine, fluoranthene, phenanthrene, pyrene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(k)fluoranthene, benzo(a)anthracene, indeno(1,2,3-c,d)pyrene, dibenz(a,b)anthracene, and benzo(g,h,i)perylene.

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 has been 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 Coordinate	70
Signature	Date <u>9/30/2015</u>
X PROPERTY OWNER OR [] MOST RECENT TANK	OPERATOR (Check one)
Name of Business Sar P Lan	
Name of Individual Kuen C. Lau and Sar P Kwa	n
Signature lu lt	Date 9/30/2015

Subject: Conditions for Approval of Closure Plan

The following items are included in the Conditions of Approval by Item #:

- 14. No liquid is to be introduced into the tank while it is in the tank pit. The tank cannot be rinsed or washed while it is in the tank pit. Please remove the tank, place it on bermed plastic sheeting before introducing liquids. Ensure that all liquids are captured within the bermed area and appropriately disposed.
- 15. The tanks are listed as having held gasoline and water, respectively. However, tank use history is marked as unknown. Since tank use history is listed as unknown yet the contents are listed as gasoline and water, we cannot determine if the tank had another use. Perform analysis for unknown fuel. One soil sample to be collected from native soil beneath the bottom of each tank. If water is encountered in the tank pit, a water sample will be collected.

Hazardous Waste Tank Closure Certification – This form is attached. Please complete in order to transport the tank to a scrap metal facility. A copy will be submitted with the hauler and one will be submitted to ACDEH.

UNDERGROUND OPERATING PERMIT APPLICA	ONSOLIDATED FORM STORAGE TANK TION – FACILITY INFORMATION per facility)
TYPE OF ACTION 1 NEW PERMIT 5 CHANGE OF INF (Check one item only) 3 RENEWAL PERMIT 6 TEMPORARY FA	
I. FACILITY I	NFORMATION
TOTAL NUMBER OF USTS AT FACILITY 404 Two 404 FACILITY ID # (Agency Use Onl	,
BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) 3820 Penniman Ave.	з
BUSINESS SITE ADDRESS 3820 Penniman Ave.	103. CITY 104. Oakland
FACILITY TYPE 1. MOTOR VEHICLE FUELING 2. FUEL DI	STRIBUTION 403. Is the facility located on Indian Reservation or Trust lands? 1. Yes 2. No
	NER INFORMATION
PROPERTY OWNER NAME	407. PHONE 408.
Kuen C Lau and Sar P Kwan	(510) 543-3300
MAILING ADDRESS 3701 Lakeshore Ave.	
CITY 410. Oakland	CA 411. ZIP CODE 412. 412.
III. TANK OPERA	OR INFORMATION
TANK OPERATOR NAME	428-1. PHONE 428-2.
MAILING ADDRESS	428-3
CITY 428-4.	STATE 428-5. ZIP CODE 428-6.
IV. TANK OWNE	R INFORMATION
TANK OWNER NAME Kuen C Lau and Sar P Kwan	414. PHONE 415. (510) 543-3300
MAILING ADDRESS 3701 Lakeshore Ave.	416.
CITY Oakland 417.	STATE 418. ZIP CODE 94610 419.
	COUNTY AGENCY 6. STATE AGENCY 420. NON-GOVERNMENT
V. BOARD OF EQUALIZATION UST	STORAGE FEE ACCOUNT NUMBER
TY (TK) HQ 44- Call	he State Board of Equalization, Fuel Tax Division, if there are questions. 421.
VI. PERMIT HOLD	ER INFORMATION
	FACILITY OWNER 4. TANK OPERATOR 423. TANK OWNER 5. FACILITY OPERATOR
SUPERVISOR OF DIVISION, SECTION, OR OFFICE (Required for Public Agen	
VII APPLICAT	IT SIGNATURE
CERTIFICATION: I certify that the information provided herein is	rue, accurate, and in full compliance with legal requirements.
APPLICANT SIGNATURE	DATE 424. PHONE 425. 9/30/2015 (415) 512-1555
1 /L	APPLICANT TITLE 427

	UN	IFIED PROGRAM CON	SOLID	ATED FORM	ТА	NKS
TIN	NDERCR	OUND STORAGI	ETAN	NKS - TANK		
4.)]	DEROR	OUND STORAG			(two pages per	r tank)
And the second					Page	of
TYPE OF ACTION	PERMIT 4	AMENDED PERMIT 5 CHAN	GE OF INF	ORMATION 6 T	EMPORARY SITE CLOSURE	
(Check one item only)				C 7 I	PERMANENTLY CLOSED ON SITE	
3 RENEWAL	PERMIT (S	pecify reason - for local use only) (Specify	y reason - for	local use only) X 8 7	TANK REMOVED	430
BUSINESS NAME (Same as FACILITY)	NAME or DBA - Doing	Business As) 3 FACILITY II	Dt			1
3820 Penniman Ave.		3				
LOCATION WITHIN SITE (Optional)			0 10 10			431
		man Ave., Oakland, CA		1.00		
				, buildings and landm	arks shall be submitted to the local agency	
TANK ID # Tank 1	432 TANK M	ANUFACTURER Unknow	'n		NTALIZED TANK 🗌 Yes 🗌 No	434
			101	Contraction of the second s	ne page for each compartment.	407
DATE INSTALLED (YEAR/MO)	435 TANK CA	APACITY IN GALLONS 750 Gallons		NUMBER OF	COMPARTMENTS One	437
and the second se					0110	438
ADDITIONAL DESCRIPTION (For I	local use only)					90
*		II. TANK CON	TENTS	the second second		
TANK USE 439	PETROLEUM TY		LITIO			440
X .	la. REGULAR			5. JET FUEL		
	16. PREMIUM			6. AVIATION FL	JEL .	
	Ic. MIDGRADI	and the second	DT.	S 99. OTHER		
		E (from Hazardous Materials Inventory pa			azardous Materials Inventory page)	442
4. HAZARDOUS WASTE	COMMON	C (nom nazaroous materials inventory pa	Ec)	1.2 100-01-0		
(Includes Used Oil)	Gaso	line		A STATE		
95. UNKNOWN	Gast	hine				
		III. TANK CONST	TRUCTIC	N		
TYPE OF TANK	SINGLE WALL	3. SINGLE WALL WITH	1	5. SINGLE WALL	WITH INTERNAL BLADDER SYSTEM	443
(Check one nem only)		EXTERIOR MEMBRANE	LINER	95. UNKNOWN		
2.	DOUBLE WALL	4. SIGNLE WALL IN VAUL	T	99. OTHER	The second second second second	
TANK MATERIAL - primary tank 21.	BARE STEEL	3. FIBERGLASS / PLASTIC		5. CONCRETE	95. UNKNOWN	444
(Check one item only)	STAINLESS STEE	L 4. STEEL CLAD W/FIBERG	LASS [8. FRP COMPTIBLE	W/100% METHANOL 99. OTHER	
		REINFORCED PLASTIC (445
TANK MATERIAL - secondary tank		3. FIBERGLASS / PLASTI		5. CONCRETE	95. UNKNOWN	445
(Check one item only)	2. STAINLESS STE	and the second			LE W/100% METHANOL D 99. OTHER	
		REINFORCED PLASTI	C (FRP)	10. COATED STEE		
		5. CONCRETE			NOWN 446 DATE INSTALLED	447
TANK INTERIOR LINING	BBER LINED	3. EPOXY LINING 5.	GLASS LIN			
	KYD LINING	4 PHENOLIC LINING 6 U	NLINED	99 OTHE	R (For local	use only)
(Check one item only)	- Children		-		448 DATE INSTALLED	449
		THODIC 3 FIBERGLASS REIN			NKNOWN	
PROTECTION IF APPLICABLE PRO (Check one item only) 2 SACI	TECTION RIFICIAL ANODE	4 IMPRESSED CURRI	ENT	99 0	THER (For local v	use only)
,, _	R INSTALLED	450 TYPE (local use only)	451 OVI	ERFILL PROTECTION	EQUIPMENT: YEAR INSTALLED	452
(Check all that apply) 1 SPILL CONT		450 TYPE (local use only)			3 FILL TUBE SHUT OFF VALVE	
		1. C. C. W. C. L.		ALARM BALL FLOAT	4 EXEMPT	
2 DROP TUR				STUDIE CONT		
	the second se	DETECTION (A description of the	monitoring pr	ogram shall be submitted to	the local agency.)	10 m
IF SINGLE WALL TANK (Check all t					TANK OR TANK WITH BLADDER	454
			(Check one item only)	WALL IN VAULT ONLY)	
I VISUAL (EXPOSED PORTION OF		5 MANUAL TANK GAUGING			TERSTITIAL MONITORING	
2 AUTOMATIC TANK GAUGING (A10)	6 VADOSE ZONE 7 GROUNDWATER		3 MANUAL MONIT		
3 CONTINUOUS ATG 4 STATISTICAL INVENTORY REC	CONCIL LATION	8 TANK TESTING				
		99 OTHER				
(SIR) BIENNIAL TANK TESTI		CLOSURE INFORMATION / P	ERMAN	ENT CLOSURE IN	PLACE	1
ESTIMATED DATE LAST USED (YR/		ESTIMATED QUANTITY OF SU			TANK FILLED WITH INERT MATERIAL?	457
Unknown	NODAT).	Unknown		llons	Yes X No	
	and the second second second	-	0*			-

			OLIDATED FORM	TANKS
UNDERGROUND ST	ORA	GE	TANKS - TAN	K PAĜE 2
VI. PIPING CONSTR	UCTION	(Check		Page of
UNDERGROUND PIPING				BOVEGROUND PIPING SUCTION D 3 GRAVITY 459
SYSTEM TYPE 1 PRESSURE 2 SUCTION 3 GRA CONSTRUCTION 2 SINGLE WALL 3 LINED TRENCH 99.00		458	I. PRESSURE 2.	SUCTION 3. GRAVITY 459 95. UNKNOWN 462
CONSTRUCTION 2 1. SINGLE WALL 3. LINED TRENCH 99. OTHER MANUFACTURER 2. DOUBLE WALL 95. UNKNOWN MANUFACTURER			2. DOUBLE WALL MANUFACTURE	99. OTHER
X I. BARE STEEL 6. FRP COMPATIBLE W/100% METHANOL	1. BAR	E STER	EL	6. FRP COMPATIBLE W/100% METHANOL
2. STAINLESS STEEL 7. GALVANIZED STEEL Unknown	2. STA	INLES	S STEEL	7. GALVANIZED STEEL
			COMPATIBLE W/ CONTENT	
	4. FIBE			9. CATHODIC PROTECTION
5. STEEL W/COATING 9. CATHODIC PROTECTION 464 VII. PIPING LEAK DETECTION (Check all tha	5. STE			
UNDERGROUND PIPING	II apprys (A de	escriptio		OVEGROUND PIPING
SINGLE WALL PIPING	466		SINGL	E WALL PIPING 467
PRESSURIZED PIPING (Check all that apply): I. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST <u>WITH</u> AUTO PUM OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS.				DETECTOR 3.0 GPH TEST <u>WITH</u> AUTO PUMP STEM FAILURE, AND SYSTEM DISCONNECTION +
2. MONTHLY 0.2 GPH TEST		02	MONTHLY 0.2 GPH TEST	
3. ANNUAL INTEGRITY TEST (0.1GPH)	21.11	□ 3.	ANNUAL INTEGRITY TEST	(0.1GPH)
Carl Strate Constants	1.0	4.	DAILY VISUAL CHECK	
CONVENTIONAL SUCTION SYSTEMS 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PI INTEGRITY TEST (0.1 GPH)	PING	5.		ING OF PIPING AND PUMPING SYSTEM
SAFE SUCTION SYSTEMS (NO VALUES IN BELOW GROUNDPIPING):			TRIENNIAL INTEGRITY TH	
7. SELF MONITORING	1.1.1			ALVES IN BELOW GROUND PIPING):
GRAVITY FLOW			SELF MONITORING	
9. BIENNIAL INTEGRITY TEST (0.1 GPH)			VITY FLOW (Check all that apply DAILY VISUAL MONITORI	
		9.	BIENNIAL INTEGRITY TES	ST (0.1 GPH)
SECONDARILY CONTAINED PIPING	1.1.1		SECONDA	ARILY CONTAINED PIPING
PRESSURIZED PIPING (Check all that apply): 10. CONTINUOUS TURBINE SUMP SENSOR <u>WITH</u> AUDIBLE AND VISUAL ALARMS AND (Check one)		10. C	SURIZED PIPING (Check all th CONTINUOUS TURBINE SUM ALARMS AND (Check one)	at apply): MP SENSOR <u>WITH</u> AUDIBLE AND VISUAL
 a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYS DISCONNECTION c. NO AUTO PUMP SHUT OFF 		ε	 a AUTO PUMP SHUT OFF b AUTO PUMP SHUT OFF DISCONNECTION C NO AUTO PUMP SHUT OFF 	FOR LEAKS, SYSTEM FAILURE AND SYSTEM
OFF OR RESTRICTION	HUT		AUTOMATIC LEAK DETE	CTOR
12. ANNUAL INTEGRITY TEST (0.1 GPH)		112	2. ANNUAL INTEGRITY TES	ST (0.1 GPH)
SUCTION/GRAVITY SYSTEM		SUCT	TION/GRAVITY SYSTEM	
☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS		13	B. CONTINUOUS SUMP SEN	SOR + AUDIBLE AND VISUAL ALARMS
EMERGENCY GENERATORS ONLY (Check all that apply) I 14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS		0 14		NERATORS ONLY (Check all that apply) SOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * ALARMS
IS AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLO SHUT OFF OR RESTRICTION	W	0 15	5. AUTOMATIC LINE LEAK	DETECTOR (3.0 GPH TEST)
□ 16. ANNUAL INTEGRITY TEST (0.1 GPH)			ANNUAL INTEGRITY TES	Т (0.1 GPH)
17. DAILY VISUAL CHECK		017	DAILY VISUAL CHECK	
VIII. DIS	PENSER	CON	TAINMENT	
DISPENSER CONTAINMENT				4. DAILY VISUAL CHECK
DATE INSTALLED 468 2. CONTINUOUS DISPENSER PAN SENS 3. CONTINUOUS DISPENSER PAN SENS DISPENSER + AUDIBLE AND VISUAL	SOR WITH	HAUTO SHUT OFF FOR 6 NONE 469		
	R/OPERA	ATOR	SIGNATURE	
I certify that the information provided herein is true and accurate to the best of my knowledge. SIGNATURE OF OWNER/OPERATOR		DATE	E	470
1 An		DAT	9/30/2015	
Annette Chen - On Behalf of Owner	471	TITL	E OF OWNER/OPERATOR	Project Coordinator 472
Permit Number (For local use only) 473 Permit Approved (Fe	or local use or	only)	474 Perm	nit Expiration Date (For local use only) 475

	UNIFIED PR	OGRAM CONSO	LIDAT	ED FOR	м			TANKS
UNI	ERGROUND	STORAGE T	ANK	S – TA	NK PA	GE 1	(5.10.20)	
	-		-		-		No. of Concession, name of Street, or other	ges per tank)
TYPE OF ACTION		ERMIT D 5 CHANGE O	F INFORM		6 TEMPOR	RARY SITE CL		
(Check one item only)						NENTLY CLO		1000
□ 3 RENEWAL PE	MIT (Specify reason - fo	r local use only) (Specify rease	n - for local u	use only)	8 TANK F	REMOVED		430
BUSINESS NAME (Same as FACILITY NAM	and the second	FACILITY ID:	TT					1
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LOCATION WITHIN SITE (Optional)			1	4 - 4 - 4	_			431
	20 Penniman Ave.,						and the second	
I. TANK DESCRIPTION (A scale	d plot plan with the locatio	n of the UST system incl	uding buil	dings and la	ndmarks sh	all be submitt	ed to the local a	gency.)
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		and the second second				for each compartm	ent,	
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ADDITIONAL DESCRIPTION (For local	ise only)							438
		II. TANK CONTEN	TS	1.1		Charles and a		
TANK USE 439 PET	ROLEUM TYPE							440
X I. MOTOR VEHICLE FUEL	a. REGULAR UNLEADED	2. LEADED		5. JET FUE	L			
(If marked complete Petroleum Type)	B. PREMIUM UNLEADED	3. DIESEL		6. AVIATIO	N FUEL			
2. NON-FUEL PETROLEUM	. MIDGRADE UNLEADED	4. GASOHOL		99. OTHER				142
	MON NAME (from Hazardo	us Materials Inventory page)	441	CAS# (fi	om Hazardous	Materials Invento	ry page)	442
4. HAZARDOUS WASTE	TIDO			1000				
(Includes Used Oil)	H2O			1.1				
95. UNKNOWN	Martin and Martin			1		Sec. 1	- and	-
		III. TANK CONSTRUC		SINGLEWA	II WITH D	NTERNAL BLA	DDER SYSTEM	443
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UNIFIED PROGRA	M CONS	SOLIDATED FORM					
		TANKS					
UNDERGROUND STO	RAGE	TANKS – TANK PAGE 2					
VI. PIPING CONSTRUC	TION (Chee	ck all that apply) Page of					
UNDERGROUND PIPING		ABOVEGROUND PIPING					
SYSTEM TYPE 🔲 1. PRESSURE 🔀 2, SUCTION 🔲 3. GRAVIT	TY 458	1. PRESSURE 2. SUCTION 3. GRAVITY 459					
CONSTRUCTION X I. SINGLE WALL 3. LINED TRENCH 99. OTHE	ER 460	I. SINGLE WALL 95. UNKNOWN 462					
MANUFACTURER 2. DOUBLE WALL 95. UNKNOWN		2. DOUBLE WALL 99. OTHER					
MANUFACTURER	461	MANUFACTORER					
	1. BARE STE 2. STAINLE						
		COMPATIBLE W/ CONTENTS 8. FLEXIBLE (HDPE) 99. OTHER					
	4. FIBERGL						
	5. STEEL W						
VII. PIPING LEAK DETECTION (Check all that app	ply) (A descripti	tion of the monitoring program shall be submitted to the local agency.)					
UNDERGROUND PIPING	466	ABOVEGROUND PIPING SINGLE WALL PIPING 467					
SITUDE TALLS		ESSURIZED PIPING (Check all that apply):					
PRESSURIZED PIPING (Check all that apply): 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST <u>WITH</u> AUTO PUMP S: OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. 2. MONTHLY AND CONLIDEST.	янит 🗋 :	 ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST <u>WITH</u> AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS. MONTHLY 0.2 GPH TEST 					
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b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTE DISCONNECTION	5MI	DISCONNECTION					
C. NO AUTO PUMP SHUT OFF	177	C NO AUTO PUMP SHUT OFF					
11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHU OFF OR RESTRICTION		11. AUTOMATIC LEAK DETECTOR					
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13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS		13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS					
EMERGENCY GENERATORS ONLY (Check all that apply) 14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS		EMERGENCY GENERATORS ONLY (Check all that apply) 14. CONTINUOUS SUMP SENSOR <u>WITHOUT</u> AUTO PUMP SHUT OFF * AUDIBLE AND VISUAL ALARMS					
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17. DAILY VISUAL CHECK] 17. DAILY VISUAL CHECK					
VIII. DISPE	ENSER CO	ONTAINMENT					
DISPENSER CONTAINMENT I. FLOAT MECHANISM THAT SHUTS OFF DATE INSTALLED 468 2. CONTINUOUS DISPENSER PAN SENSO 3. CONTINUOUS DISPENSER PAN SENSO DISPENSER + AUDIBLE AND VISUAL A	OR + AUDIBL OR <u>WITH</u> AU	LE AND VISUAL ALARMS 5. TRENCH LINER / MONITORING					
		DR SIGNATURE					
I certify that the information provided herein is true and accurate to the best of my knowledge.		47					
SIGNATURE OF OWNER/OPERATOR	D	ATE 9/30/2015					
NAME OF OWNER/OPRATOR (print)	471 TT	TT D OT OUD IED /ODED ATOP 47.					
Annette Chen - On Behalf of Owner		Project Coordinator					
Permit Number (For local use only) 473 Permit Approved (For	local use only)	474 Permit Expiration Date (For local use only) 4					



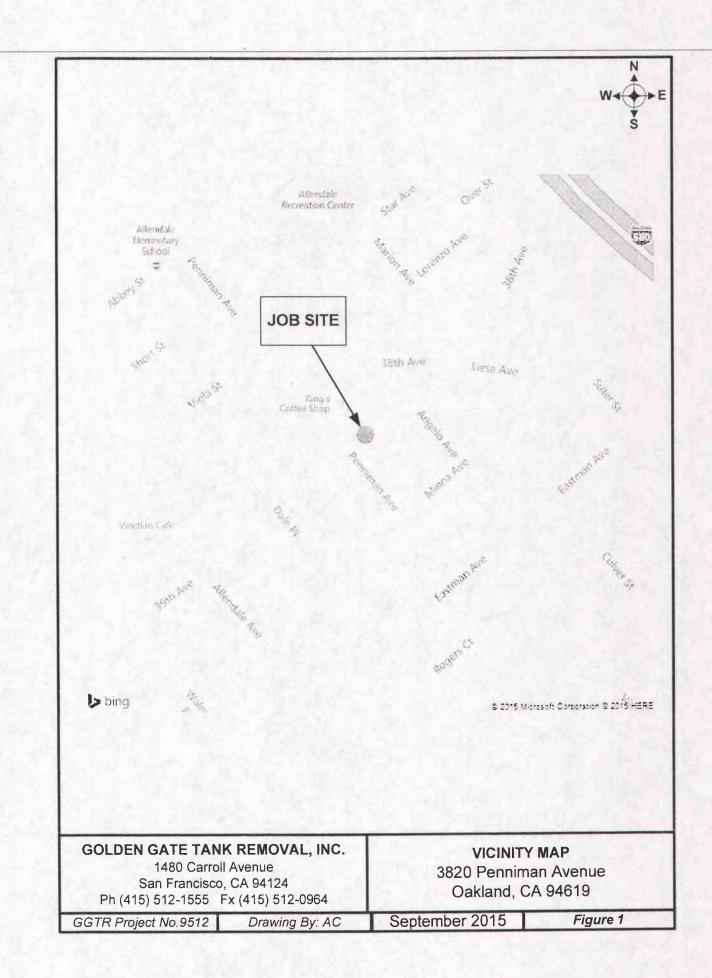
ONSITE CUTTING OF UNDERGROUND TANKS

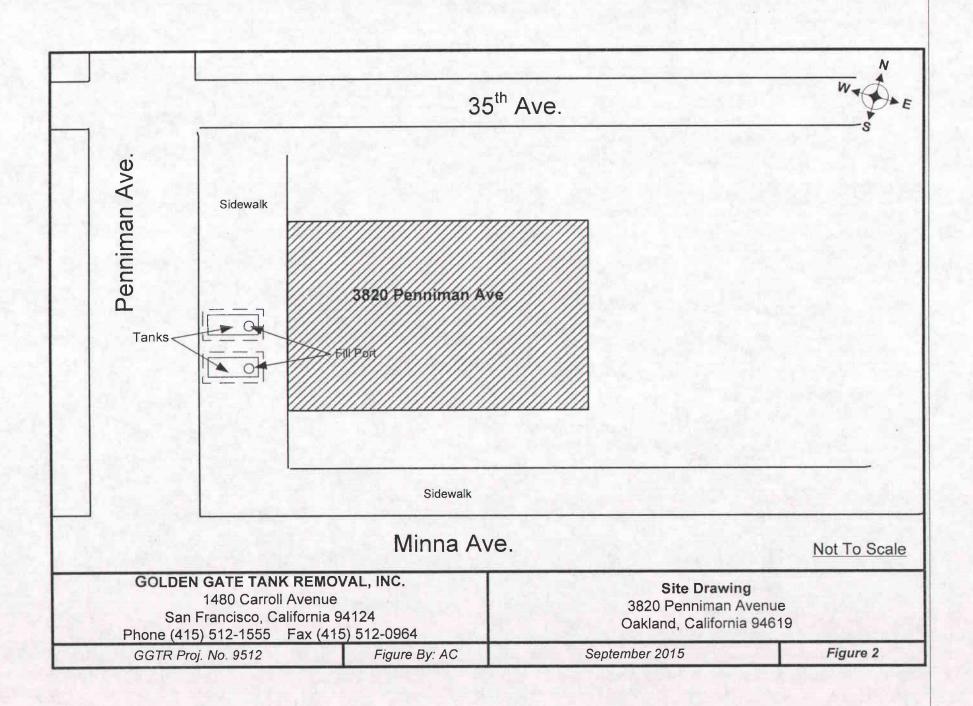
Various circumstances at underground tank removals may make on-site cutting of tanks necessary or advantageous. Due to the inherent safety, health and environmental hazards, Golden Gate Tank Removal, Inc. has imposed the following conditions on cutting of any tanks that have held hazardous material of waste.

- 1. The local fire department shall be advised in advance of planned on-site cutting, or of any change from approved plans to include on-site cutting. The cutting of any tank that previously held flammable and/or combustible liquids shall be approved in advance by the local Fire Department inspector.
- 2. Tanks shall be completely emptied and the contents handled in accordance with all pertinent regulations.
- 3. To minimize release of the hazardous waste, any tank to be cut in place shall be cleaned thru triple rinse with water to render it non-hazardous. The final Rinsate or interior wipe sample shall not exceed 100 PPM of product verified by laboratory analysis: or the tank shall be evinced as cleaned to bare metal. Rinsate shall behandled in accordance with all pertinent regulations.
- 4. Any tank that held flammable or combustible liquid shall be inerted prior to cutting. A minimum of 3 pounds of dry ice per 100 gallons of capacity shall be used for a flammable liquid tank. The atmosphere in the tank shall be maintained below 5% of Lower Explosive Limit (LEL) throughout cutting and oxygen level will be monitored and should be 0%.
- 5. Cutting implements shall be approved for use prior to the cutting of any tank. Tanks that are properly inerted may be cut with sazaw only with approval from the local Fire Department. Edged tools may be used in the tank if it is properly inerted. Edged tools shall be lubricated with cutting oil or water spray.
- 6. At least one charged 20BC Fire extinguisher shall be kept on-site, immediately accessible to the workers performing the cutting.
- Occupational Health and Safety provisions of Title 8, California Code of Regulations, shall be observed, including but not limited to site safety plans, confined space entry, respirators and other personal protection equipment and sanitation.
- 8. All other pertinent regulations, including but not limited to those of the local departments of Public Health, Fire and Public Works, the Bay Area Air Quality Management District and the Bay Regional Water Quality Control Board, shall be observed.

1480 Carroll Avenue - San Francisco, CA 94124 - Tel.: 415.512.1555 Fax: 415.512.0964 General Engineering Contractors License No. 616521

			UNIFIED I	PROGRAM C HAZARDO			FORM	19		
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						1.1		Pi	age of	
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1480 Carroll	Avenue				🗆 b.	Certified Safet	y Professional (CS	SP)		
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San Francisco	о				🗌 d.	Registered En	vironmental Health	Specialist (REHS)		
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415-512-155	5				□ f.	Class II Regist	tered Environment	al Assessor		
DATE	759	CERTIFICATIO	ON TIME				tate License Board oval certification)	l licensed contractor (w	rith hazardous	
			E OR COMBUSTIE			e tank.)		Yes No	763	
		ANAGEMENT IN: Treat as scrap.	STRUCTIONS FOR	SCRAP DEALEF	R, DISPOS	AL FACILITY	Υ, ETC:		764	
A copy of this cer			to the recycling/dispo ank removal contractor		rovided to th	e agency overse	eing tank closure (i.e	. CUPA or other authorize	ed local agency); th	







SITE SAFETY PLAN UNDERGROUND TANK REMOVAL

3820 PENNIMAN AVENUE OAKLAND, CA 94619

SEPTEMBER 28, 2015

GOLDEN GATE TANK REMOVAL, INC. 1480 CARROLL AVENUE SAN FRANCISCO, CALIFORNIA 94124

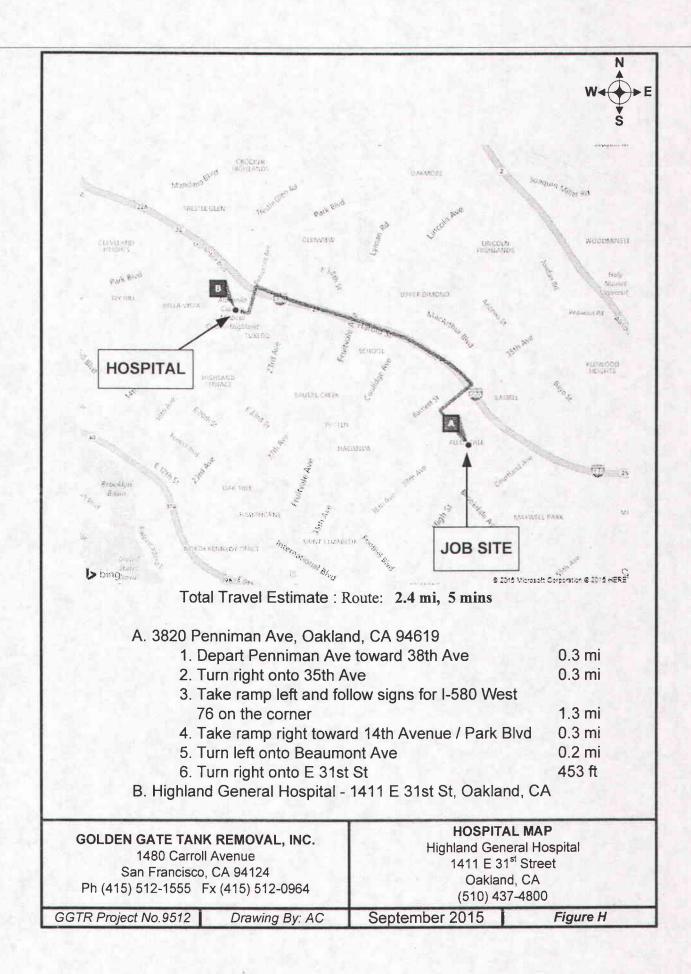
PROJECT # 9512

1480 Carroll Avenue - San Francisco, CA 94124- Tel.: 415.512.1555 Fax: 415.512.0964 General Engineering Contractors License No. 616521

SITE HAZARD I	NFORMATIC	DN	••	
PLEASE PROVIDE	THE FOLLOWIN	IG INFORMATION FOR THE	SITE	
Owners Name: Site Address:	3820 Penr	au and Sar P Kwan Niman Ave.		
Directions to Site:	Oakland, Cross Stree	CA t: 38 th Ave.		
Consultant On Site: Site Safety Officer: Type of Facility:	Tim Hallen	ank Removal, Inc.	Phone number: Phone Number: Mobile Number:	415/512-1555
Site Activities:	D Drilling	construction x Tank Extraction Dapor Extraction		oil Excavation Remediation
Hazardous Substance	<u>es</u>			
Name (CAS#) Gasoline H2.O	Ξ	Expected Concentration Minimal	Health Affects Nausea, Dizziness	
Physical Hazards				
x Noise x Traffic x Underground Hazar Overhead Lines Potential Explosions o	rds	vations/Trenches		
		8		
Level of Protection E	quipment			
	X D X See P	ersonal Protective Equipment		
Personal Protective E R = Required A = As R Hard Hat		A Safety Eye wear (Type)	
A Safety Boots R Orange Ves A Hearing Prof Tyvek Cove	t lection	A Respirator (Type)	/2 Face Carbon	

3820 Penniman Avenue, Oakland, CA 94619

SITE HAZARD I	NFORMA	FION			
Monitoring Equipme	nt On Site				
 Organic Vapor An Oxygen Meter H2S Meter 					
Site Control Measure	s Normal Peo	destrian, Orange Co	ones, Traffic Signs	s, NO SMOKING Signs	
Decontamination Pro		rm Water Soap			
Hospital/Clinic Hospital Address				Phone510	437-4800
Paramedic		Fire Dept	911	Police Dept	911
Emergency/Conting	ency Plans &	Procedures	See Safety Proce	dures	
Site Hazard Informati	ion Provided Signatu	1.	Chen?	Phone: <u>415/512-</u> Date:	1555 9/20/15



1.0 PURPOSE

This operating procedure establishes minimum procedures for protecting personnel against the hazardous properties during the performance of the removal of an underground storage tank and related activities. All employees and subcontractors of Golden Gate Tank Removal shall follow this plan. This plan is developed to work with the California Occupational Safety and Health Code to quickly prepare and issue a site safety plan for the removal of an underground storage tank and the related activities.

2.0 <u>APPLICABILITY</u>

This procedure is applicable to the removal of underground storage tanks and the related activities. Listed below are some of, but not limited to, the activities and substances that may be encountered during the project.

Activities:

The work to be performed will include: the excavation of potentially contaminated soil in order to expose the underground storage tank, the stock piling of soil, the removal and manifested disposal of the tank, the recovery of soil samples from the excavation and stockpiled soil, and the backfill and resurfacing of the excavation.

Substances:

- Diesel Fuel Oil (Home Heating Oil)
- Lead and Unleaded Gasoline
- Diesel Fuel
- Motor Oil (used and unused)

3.0 RESPONSIBILITY AND AUTHORITY

Personnel responsible for project safety are the business unit's Health and Safety Officer (HSO), the Project Manager (PM), and the Site Safety Officer (SSO).

The HSO is responsible for reviewing and approving the site safety plan and advising both the PM an SSO on health and safety matters. The HSO has the authority to audit compliance with the provisions of the site safety plan, suspend work or modify work practices for safety reasons, and to dismiss from the site any individual whose conduct on-site endangers the health and safety of themselves and/or others.

The PM is responsible for having the site safety plan prepared and distributed to all field personnel and to an authorized representative of each firm contracted to assist with the on-site work.

3820 Penniman Avenue, Oakland, CA 94619

The SSO is responsible for assisting the PM with on-site implementation of site safety plan. The SSO may suspend work anytime he/she determines that the provisions of the site safety plan are inadequate to ensure worker safety and inform the PM and HSO of individuals whose on-site behavior jeopardizes their health and safety or the health and safety of others.

4.0 HAZARD EVALUATION/CRITERIA

Chemical

The general types of chemical hazards associated with this project are exposure to various chemical substances, including but not limited to, petroleum hydrocarbon liquids and vapors, caustic and acidic mists, liquids and solids. Exposure to elevated levels of hydrocarbon vapors presents potential health risks that need to be properly controlled. Work practices and methods will be monitored to limit exposures. Where elevated exposures persist, respiratory protection will be the primary control method to protect personnel from inhalation of hydrocarbon vapors.

Physical

The general types of physical hazards associated with this project are:

- · Mechanical hazards: swinging objects, machinery, etc.,
- Physical lifting, shoveling, climbing (ladder), etc.,
- · Electrical hazards: buried cables and overhead power lines,
- Thermal hazards: heat stress, and heat exhaustion
- Acoustical hazards: excessive noise created by machinery.

Flammability

The general types of flammable hazards associated with this project are fire hazards: natural gas and product lines, flammable petroleum hydrocarbons, and motor driven equipment.

Petroleum distillate fuels passes two intrinsic hazardous properties, namely, flammability and toxicity. The flammable property of the oil and fuels presents a far greater hazard to field personnel than toxicity because it is difficult to protect against and can result in catastrophic consequences. Being Flammable, the vapors of volatile components of crude oil and the fuels can be explosive when confined.

Eliminating any one of the three factors needed to produce combustion can minimize the probability of fire and explosion. Two of the factors, ignition source and vapor concentration, can be controlled in many cases. Prohibiting open fires and smoking on-site, installing spark arrestors on engines and turning off engines when lel is approached can control ignition. Introducing dry ice (solid carbon dioxide) in the tank can reduce vapor concentrations in the headspace; the carbon dioxide gas will displace the combustible vapors.

5.0 HEALTH AND SAFETY DIRECTIVES

Site-Specific Safety Briefing

Before fieldwork begins, all field personnel, including subcontractor employees must be briefed on their work assignments and safety procedures contained in this document.

Personal Protective Equipment

Each field team member shall have on-site, before the commencement of work, the following personal protective equipment:

- NIOSH-approved full or half face respirator with organic vapor cartridges (cartridges will be supplied pending the work criteria).
- Hard-hat and safety vest
- Leather work boots, steel toed boots are strongly suggested
- Leather work gloves
- Ear protection, earphone type or ear plugs
- Eye protection, safety glasses and splash proof goggles

Equipment Usage

Hard-hats and safety vests must be worn at all times when on the job site.

Safety goggles must be worn when working within 10 feet of any operating heavy equipment (e.g., jackhammer, and backhoe). Splash-proof goggles or face shields must be worn whenever product quantities of fuel are encountered.

Respirators must be worn whenever total airborne hydrocarbon levels in the breathing zone of field personnel reach or exceed a 15-minute average of 25 ppm. If total airborne hydrocarbons in the breathing zone exceed 100 ppm, work must be suspended, personnel directed to move a safe distance from the source, and the HSO or designee consulted.

Chemical-resistant safety boots must be worn during the performance of work where surface soil is obviously contaminated.

Monitoring

Personal exposure to ambient airborne hazards will be monitored to assure that personnel exposures do not exceed acceptable limits and that appropriate selection of protective equipment items is made. If concentrations approach criteria levels, all personnel will be notified of possible site safety changes. Audits will be conducted by the Safety Officer to insure compliance with the Safety Plan and to provide additional support as required.

Area Control

Access to hazardous and potential hazardous work sites must be controlled to reduce the probability of occurrence of physical injury and chemical exposure of field personnel, visitors and the public. A hazardous or potential hazardous area includes area where a tank removal or related activity is being performed and/or field personnel are required to wear respirators.

Cordons, barricades, and/or emergency traffic cones or posts, depending on conditions must identify the boundaries of hazardous and potentially hazardous areas. If such areas are left unattended, signs warning of the

danger and forbidding entry must be placed around the perimeter if the areas are accessible to the public. Trenches and other large holes must be guarded with wooded or metal barricades spaced no further than 20 feet apart and connected with yellow caution tape. The barricades must be placed no less than two feet from the edge of the excavation or hole.

Entry to hazardous areas shall be limited to individuals who must work in those areas. Unofficial visitors must not be permitted to enter hazardous areas while work in those areas is in progress.

Official visitors should be discouraged from entering hazardous areas, but may be allowed to enter only if they agree to abide by the safety officer and are informed of the potential dangers that could be encountered in the areas.

Decontamination

Field decontamination of personnel and equipment is not required except when contamination is obvious (visual or by odor). Recommended de-contamination procedures follow:

Personnel

Gasoline, heating oil, diesel and oil should be removed from skin using a mild detergent and water. Hot water is more effective that cold. Liquid dishwashing detergent is more effective than hand soap. If weathered to an asphaltic condition, mechanics waterless hand cleaner is recommended for initial cleaning followed by detergent and water.

Equipment

Gloves, respirators, hard-hats, boots and goggles should be cleaned as described under personnel. However, if boots do not become clean after washing with detergent and water, they should be cleaned with a strong solution of trisodium phosphate and hot water. If this fails, clean with diesel oil followed by detergent and water to remove diesel oil.

Sampling equipment, augers, vehicle undercarriages, and tires should be steamed cleaned. The steam cleaner is a convenient source of hot water for personnel and protective equipment cleaning.

6.0 SAFETY AND HEALTH TRAINING

Each individual on the job site should have been or is preparing to attend the 40 hr. Hazardous Materials Handling Course as required be the California Occupational Safety and Health Association. In addition, the HSO conducts BI-weekly health and safety meetings.

Each morning before fieldwork begins, all field personnel, including subcontractor employees, must attend the sitespecific safety briefing at their work site to receive assignments and safety procedures.

7.0 RECORD KEEPING REQUIREMENT

The following record keeping requirements will be maintained in the program file indefinitely. The particular organization responsible for these records is also listed.

- Copy of this Health and Safety Plan Golden Gate Tank Removal.
- Health and Safety Training Certification Form for Site Safety Officer -- Golden Gate Tank Removal.
- Any accident/illness report forms -- All Parties.
- Personal sampling results -- Golden Gate Tank Removal.
- Documentation of employee's medical ability to perform work and wear respirators -- All parties.

8.0 HEAT ILLNESS PREVENTION

Procedures for Provision of Water include but are not limited to the following:

The CREW LEADER will bring <u>5</u> drinking water containers (of 5 to 10 gallons each) to the site, so that at least 2 quarts per employee are available at the start of the shift.

The CREW LEADER will bring paper cone rims or bags of disposable cups or drinking cups and the necessary cup dispensers to ensure that enough disposable cups are made available for each worker and are kept clean until used.

As part of GGTR, INC. Effective Replenishment Procedures, the CREW LEADER will check the water level of all containers every HOUR, and more frequently when the temperature exceeds $90_{\circ}F$. When the water level within a container drops below 50%, water containers will be refilled with cool water. To accomplish this task, the TRUCK will carry <u>2</u> additional water containers (i.e. 5 gallon bottles) to replace water as needed.

When the temperature exceeds 90 degrees, the CREW LEADER will carry ice in separate containers, so that when necessary, it will be added to the drinking water to keep it cool.

The PROJECT MANAGER will check the work site and place the water as close as possible to the workers. If field terrain prevents the water from being placed as close as possible to the workers, the PROJECT MANAGER will bring bottled water or individual containers (in addition to disposable cups and water containers), so that workers can have drinking water readily accessible.

The CREW LEADER will ensure that the water containers are relocated to follow along as the crew moves, so drinking water will be readily accessible.

The CREW LEADER will be responsible for cleaning the water containers and ensuring that they are kept in sanitary condition (all necessary cleaning supplies are provided by the company).

The company will reimburse the PERSONNEL for any cost incurred for them to fill up their water containers as needed on a daily basis or to purchase necessary disposable cups or cleaning supplies.

The CREW LEADER will point out daily the location of the water coolers to the workers and remind them to drink water frequently. When the temperature exceeds or is expected to exceed 90 degrees F, the PROJECT MANAGER will hold a brief 'tailgate' meeting each morning to review with employees the importance of drinking water, the number and schedule of water and rest breaks and the signs and symptoms of heat illness.

The CREW LEADER will use audible devices (such as whistles or air horns) to remind

employees to drink water.

When the temperature equals or exceeds 95 oF or during a heat wave, the PROJECT MANAGER will increase the number of water breaks, and will remind workers throughout the work shift to drink water. During employee training, the importance of frequent drinking of water will be stressed.

Procedures for Access to Shade include but are not limited to the following:

Note: Follow the general guidance provided above, under the Provisions for Water (identify the person assigned the task and list the specific tasks that have to be carried out).

Each CREW LEADER will bring <u>ONE</u> shade structures to the site, to accommodate at least 25 percent of the employees on the shift and either chairs, benches, sheets, towels or any other items to allow employees to sit and rest without contacting the bare ground. However, chairs, benches, etc. are not required for acceptable sources of shade such as trees.

The CREW LEADER will ensure that shade structures are opened and placed as close as practical to the workers, when the temperature equals or exceeds 85₀F. When the temperature is below 85₀F, the shade structures will be brought to the site, but will be opened and set in place upon worker(s) request.

Note: The interior of a vehicle may not be used to provide shade unless the vehicle is air-conditioned and the air conditioner is on.

The CREW LEADER will point out the daily location of the shade structures to the workers as well as allow and encourage employees to take a 5 min cool-down rest in the shade, when they feel the need to do so to protect themselves from overheating.

The CREW LEADER will ensure that the shade structures are relocated to follow along with the crew and double-check that they are as close as practical to the employees, so that access to shade is provided at all times.

In situations where trees or other vegetation are used to provide shade (such as in orchards), the CREW LEADER will evaluate the thickness and shape of the shaded area (given the changing angles of the sun during the entire shift), before assuming that sufficient shadow is being cast to protect employees.

In situations where it is not safe to provide shade (example winds of more than 40 mph), the PROJECT MANAGER will document how this determination was made, and what steps will be taken to provide shade upon request.

Procedures for Monitoring the Weather include but are not limited to:

Prior to each workday, the PROJECT MANAGER will review the forecasted temperature and humidity for the worksite and compare it against the National Weather service Heat Index to:

- 1. evaluate the risk level for heat illness.
- 2. determine when it will be necessary to make modifications to the work schedule (such as stopping work early, rescheduling the job, working at night or during the cooler hours of the day, increasing the number of water and rest breaks).

The CREW LEADER will be responsible for using a thermometer at the jobsite and checking

the temperature every **HOUR** to monitor for sudden increases in temperature, to ensure that once the temperature exceeds 85 oF, the shade structures are opened and accessible to the workers and to make certain that once the temperature equals or exceeds 95 oF additional preventive measures such as the High Heat Procedures are implemented.

Handling a Heat Wave:

During a heat wave or heat spike (e.g., a sudden increase in daytime temperature of 9 degrees or more), the work day will be cut short (example 12 PM), will be rescheduled (example conducted at night or during cooler hours) or if possible cease for the day.

If schedule modifications are not possible and workers have to work during a heat wave, the PROJECT MANAGER will provide a tailgate meeting to reinforce heat illness prevention with emergency response procedures and review the weather forecast with the workers. In addition, the PROJECT MANAGER will institute alternative preventive measures such as provide workers with an increase number of water and rest breaks and supervise workers to ensure that they do stop work and take these breaks, and observe closely all workers for signs and symptoms of heat illness.

The PROJECT MANAGER will assign each employee a "buddy" to be on the lookout for signs and symptoms of heat illness and ensure that emergency procedures are initiated when someone displays possible signs or symptoms of heat illness.

High Heat Procedures include but are not limited to: [High Heat Procedures are additional preventive measures that this company will use when the temperature equals or exceeds 95 degrees Fahrenheit].

The CREW LEADER will ensure that effective communication by voice, observation, or electronic means is maintained so that employees at the worksite can contact a supervisor when necessary. If the CREW LEADER is unable to be near the workers to observe them or communicate with them, then an electronic device, such as a cell phone or text messaging device, may be used for this purpose only if reception in the area is reliable.

The CREW LEADER will observe employees for alertness and signs and symptoms of heat illness. The CREW LEADER will remind employees throughout the work shift to drink plenty of water. The CREW LEADER will closely supervise a new employee, or assign a "buddy" or more experienced coworker for the first 14 days of the employee's employment by the employer, unless the employee indicates at the time of hire that he or she has been doing similar outdoor work for at least 10 of the past 30 days for 4 or more hours per day.

Procedures for Acclimatization include but are not limited to:

Acclimatization is the temporary and gradual physiological change in the body that occurs when the environmentally induced heat load to which the body is accustomed is significantly and suddenly exceeded by sudden environmental changes. In more common terms, the body needs time to adapt when temperatures rise suddenly, and an employee risks heat illness by not taking it easy when a heat wave strikes or when starting a new job that exposes the employee to heat to which the employee's body hasn't yet adjusted.

CREW LEADER will monitor the weather and in particular be on the look out for sudden heat wave(s), or increases in temperatures to which employees haven't been exposed to for several weeks or longer.

During a heat wave or heat spike (e.g., a sudden increase in daytime temperature of 9 degrees or more), the work day will be cut short (example 12 PM), will be rescheduled (example conducted at night or during cooler hours) or if possible cease for the day.

For new employees, the CREW LEADER will try to find ways to lessen the intensity of the employees work during a two-week break-in period (such as scheduling slower paced, less physically demanding work during the hot parts of the day and the heaviest work activities during the cooler parts of the day (early-morning or evening)). Steps taken to lessen the intensity of the workload for new employees will be documented.

The CREW LEADER will be extra-vigilant with new employees and stay alert to the presence of heat related symptoms.

The CREW LEADER will assign new employees a "buddy" or experienced coworker to watch each other closely for discomfort or symptoms of heat illness.

During a heat wave, the CREW LEADER will observe all employees closely (or maintain frequent communication via phone or radio) and be on the look out for possible symptoms of heat illness.

Procedures for Emergency Response include but are not limited to:

Prior to assigning a crew to a particular worksite, the PROJECT MANAGER will provide workers and the foreman a map along with clear and precise directions (such as streets or road names, distinguishing features and distances to major roads) of the site, to avoid a delay of emergency medical services.

Prior to assigning a crew to a particular worksite, the PROJECT MANAGER will ensure that a qualified, appropriately trained and equipped person will be available at the site, to render first aid if necessary.

All foremen and supervisors will carry cell phones or other means of communication, to ensure that emergency medical services can be called and check that these are functional at the worksite prior to each shift.

When an employee is showing symptoms of possible heat illness, CREW LEADER will take immediate steps to keep the stricken employee cool and comfortable once emergency service responders have been called (to reduce the progression to more serious illness).

Handling a Sick Employee:

When an employee displays possible signs or symptoms of heat illness, a trained first aid worker or supervisor will check the sick employee and determine whether resting in the shade and drinking cool water will suffice or if emergency service providers will need to be called.

Do not leave a sick worker alone in the shade, as he or she can take a turn for the worse!

When an employee displays possible signs or symptoms of heat illness and no trained first aid worker or supervisor is available at the site, call emergency service providers.

Call emergency service providers immediately if an employee displays signs or symptoms of heat illness (loss of consciousness, incoherent speech, convulsions, red and hot face), does not look OK or does not get better after drinking cool water and resting in the shade. While the ambulance is in route, initiate first aid (cool the worker: place in the shade, remove excess layers of clothing, place ice pack in the armpits and join area and fan the victim). Do not let a sick worker leave the site,

as they can get lost or die (when not being transported by ambulance and treatment has not been started by paramedics) before reaching a hospital!

If an employee does not look OK and displays signs or symptoms of severe heat illness (loss of consciousness, incoherent speech, convulsions, red and hot face), and the worksite is located more than 20 min away from a hospital, call emergency service providers, communicate the signs and symptoms of the victim and request Air Ambulance.

Procedures for Employee and Supervisory Training include but are not limited to:

GGTR,Inc, will ensure that all supervisors are trained prior to being assigned to supervise other workers. Training will include this company's written procedures and what steps supervisors will follow when employees' exhibit symptoms consisted with heat illness.

GGTR, Inc. will ensure that all employees and supervisors are trained prior to working outside. Training will include the company's written prevention procedures.

GGTR,Inc. will train employees on the steps that will be followed for contacting emergency medical services, including how they are to proceed when there are non-English speaking workers, how clear and precise directions to the site will be provided as well as stress the need to make visual contact with emergency responders at the nearest road or landmark to direct them to their worksite.

When the temperature exceeds 75 degrees oF, the PROJECT MANAGER will hold short 'tailgate' meetings to review the weather report, reinforce heat illness prevention with all workers and provide reminders to drink water frequently, to be on the lookout for signs and symptoms of heat illness and inform them that shade can be made available upon request.

The CREW LEADER will assign new employees a "buddy" or experienced coworker to ensure that they understood the training and follow company procedures.

Prepared By:

Annette Chén Golden Gate Tank Removal, Inc.

Dry Ice Safety

First Aid

If you do get a burn from dry ice, frozen tissues should be flooded/soaked with tepid water. Don't use hot water. See a doctor if

the skin blisters or comes off. If the burn is only red it will heal in time as any other burn.

Apply antibiotic ointment such as Neosporin[™] or generic equivalent to prevent infection.

Bandage only if the burned skin area needs to be protected.

Caution:

Keep dry ice away from children if they cannot be closely

supervised at all times.

Always handle dry ice with care. It is extremely cold at -109.3°F or -

78.5°C. If touched very briefly dry ice may not harm skin, but contact with the skin for more than a second will freeze cells and can cause injury similar to a burn.

Wear hand protection whenever touching dry ice. An oven mitt or thick folded towel will work.

Do

Store dry ice in a thermally insulated container. The thicker the insulation, the slower it will sublimate – turn into carbon dioxide gas (CO₂).

If dry ice has been in a closed auto, van, room, or walk-in, open the doors and allow adequate ventilation before entering.

If you drive with dry ice in an enclosed vehicle, be sure to have proper ventilation.

Leave area containing dry ice if you start to pant or breathe quickly. Remember that CO₂ is heavier than air and will accumulate in low spaces. Keep proper air ventilation wherever dry ice is stored.

Don't

Do not enter closed storage areas that have had, or now have, dry ice before airing the space out completely.

Do not store dry ice in a completely airtight container. The sublimation of dry ice to CO₂ gas will cause any airtight container to expand and possibly rupture or explode.

Do not store dry ice in unventilated rooms, cellars, autos or boat holds. The sublimated CO₂ gas will sink to low areas and replace oxygenated air. This could cause suffocation if breathed exclusively. Do not store dry ice in a refrigerator freezer. The extremely cold temperature will cause your thermostat to turn off the freezer. Dry ice is useful for emergency cooling if your refrigerator breaks down. Be sure to insure proper ventilation.

If the concentration of CO₂ gas in the air rises above 5%, it can be toxic. Smaller concentrations can cause quicker breathing.

Do not leave dry ice on a Formica[™], plastic or tiled countertop as the extreme cold could crack the countertop.

Do not leave dry ice unattended around children.

Tips

- Pick up dry ice as close as possible to the time needed.
- Dry ice sublimates at 5-10%, or 5 to 10 pounds every 24 hours. Carry it in a well-insulated container such as an ice chest.
- If you transport dry ice in a car or van, make sure there is a fresh air supply.
- You can dispose of small quantities of dry ice, away from the public, by leaving it outside or in a well-ventilated room at room temperature.

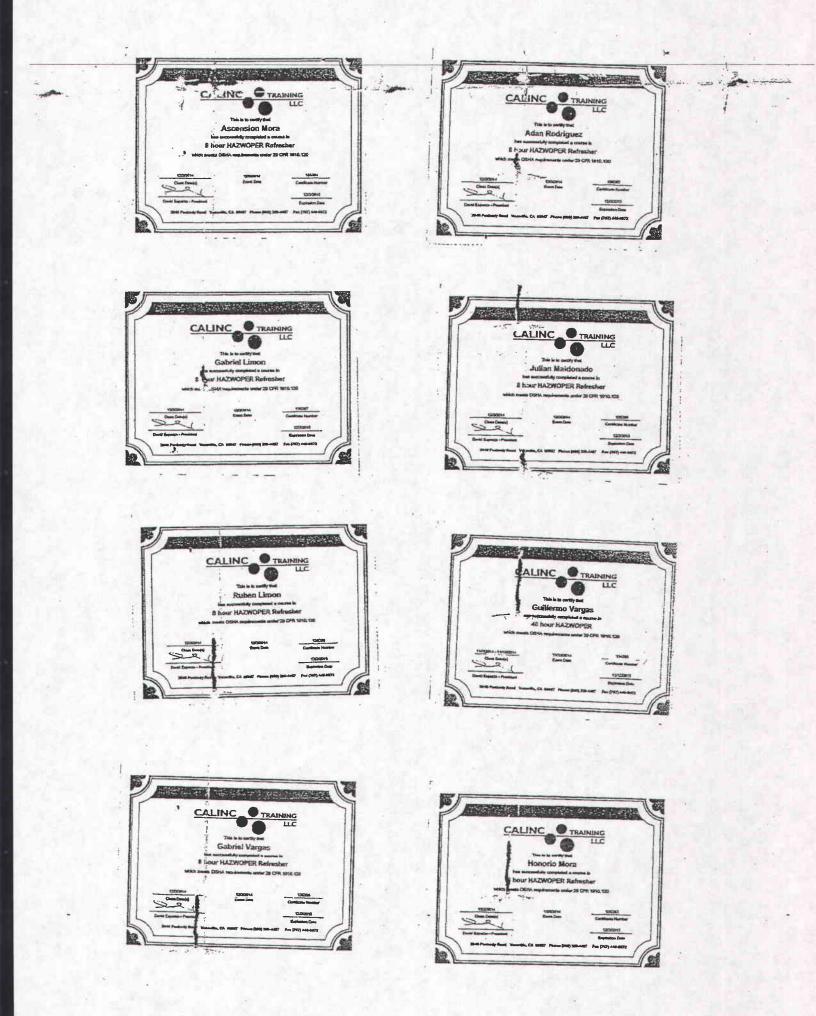
ATTACHMENTS

STATE CONTRACTOR'S LICENSE CERTIFICATE OF COMPLETION 8HRS ANNUAL HAZWOPER CERTIFICATE OF LIABILITY INSURANCE WORKMEN'S COMPENSATION INSURANCE OSHA ANNUAL EXCAVATION PERMIT



Experiation Date 02/28/2017 WWW

www.cslb.ca.gov



ACORD [®] CERTIF	ICATE OF LI		ISUR/	ANCE		(MM/DD/YYYY) 8/2015
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300 Montgomery St., Suite 888			SURER(S) AFFO	RDING COVERAGE		NAIC #
San Francisco CA 94104		the second se	and the second sec	rance Company		
INSURED		INSURER B Ameri	can Fire	and Casualty C	ю.	
Golden Gate Tank Removal Inc.		INSURER C :				
and Golden Gate Environmental	, Inc.	INSURER D :				
1480 Carroll Avenue		INSURER E :				
San Francisco CA 94124		INSURER F :				
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STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

	No: 4	2015-900010
ANN	NUAL PERMIT	
Permit Issued To (Insert Contractor/Project Administrator's Name, A	Address No.	
and Telephone No.) Golden Gate Tank Removal Inc	Date	7/7/2015
Attn: Safety Mgr or Tim Hallen	Region	1
1480 Carroll Ave San Francisco CA 94124-3605	District	1
San randisod or a realized	Tel.	(415) 557-0100
(415) 512-1555		

Type of Permit T1-ANNUAL TRENCH/EXCAVATION

Pursuant to Labor Code Sections 6500 and 6502, this Permit is issued to the above-named employer for the projects described below.

State Contractor's License Number 616521		Permit Valid through	July 06, 2016			
	Location Address	City and County	Anticipated Dates Starting Completion			
Description of Project Various Conditions of Issuance:	Statewide		Jul 7, 2015	Jul 06, 2016		
		10 (1, 1)		1997 (Sec. 1994)		

This Permit is issued upon the following conditions:

1. That the work is performed by the same employer. If this is an annual permit the appropriate District Office shall be notified, ir writing, of dates and location of job site prior to commencement.

2. The employer will comply with all occupational safety and health standards or orders applicable to the above projects, and any other lawful orders of the Division.

3. That if any unforeseen condition causes deviation from the plans or statements contained in the Permit Application Form the employer will notify the Division immediately.

4. Any variation from the specification and assertions of the Permit Application Form or violation of safety orders may be cause to revoke the permit.

5. This permit shall be posted at or near each place of employment as provided in 8 CCR 341.4

Received From Tim Hallen	Received Perm	^{By} it Unit	Investigated by	/ Safety Engines	Date 7/7/2015	
Cash Check 28257	Amount \$100.00	Date 7/7/15	Approved by	District Manager/Permit Unit	The second s	

ACCOUNT ACCOUNT NUMBER NUMBER NUMBER 1307584 The fessing of a business Tex Certificate NUMBER 1307584 The fessing of a business Tex Certificate is for revenue purposes only 11 does not relieve the taxpayer from the responsibility of complying with the requirements of any other agency of the City of Oakland and/or any other ordinance. 1307584 The fessing of a business Tex Certificate is for revenue purposes only 11 does not relieve the taxpayer from the responsibility of complying with the requirements of any other agency of the City of Oakland and/or any other ordinance. 1307584 The fessing of a business Tex Certificate expires on December 218107 exclusion for the State OC 14100A, of the O.MIC. you are allowed a renewal group period until Match and responsibility of complying year. The following yea	A BUSINESS TAX CERTIFICATE IS REQUIRED FOR EACH BUSINESS LOCATION AND IS NOT VALID FOR ANY OTHER ADDRESS. YOU MAY BE REQUIRED TO OBTAIN A VALID ZONING CLEARANCE TO OPERATE YOUR BUSINESS LEGALLY. RENTAL OF REAL PROPERTY IS EXCLUDED FROM ZONING
CALLER CONTRACTOR ON COLDEN GATE TANK/REMOVAL INCOMENT OF A CONTRACTOR OF A CO	PUBLIC INFORMATION ABOVE THIS LINE TO B3 CONSPICUOUSLY POSTED