

ANTICIPATED HAZARDS (Check all that apply):

O₂ Deficiency

☑ Skin Hazards

☑Flammables

☐ Sharps

☐ IDLH Atmosphere*

☑ Inhalation Hazards

☐ Corrosives

☐ Biohazards*

CONSULTING . REMEDIATION . MANAGEMENT

STANDARD SITE-SPECIFIC SAFETY & HEALTH PLAN FOR:

Caltrans - District #4
East Bay Paint Yard
Alameda County

286 44995 44995

Expires: 02/28/98

Cold

Heat

Poor Ventilation

☐ Reactives (type)

☐ Machinery (type)_

☐ Radioactivity*

						Expires, 02/20/30	,
1. SITE DESCRIPTI	ON:			Inc	dustry (type) 1	Transportation	
Address:San Francisco Oak	land Bay Bridge Toll-Plaza,	Oakla	and CA 9464	<u>19</u>			
Contact: Mr. Mike Hilliard	Contact: Mr. Mike Hilliard Title: Contract Ma			ınager		Telephone#: (510) 286-449)5
2. EMERGENCY CO	ONTACTS						
CHEMTREC: (800) 424-9 BRADLEY ENVIRONME	300 NATIO ENTAL SERVICES (BES)			CENTER: (800 66-3657, (909) 5			
BES Corporate Office: 1815	5 Wright Ave., La Vегле,СА	917	<u>50</u>	Nearest BES O		' Hilldale Circle, do Hills, CA 95762	
Spills/Releases Contact: Ga	ry Smith			Summit Hospita			
Medical Emergency Teleph	one and Location: 911			Address: 350 Ha Oakland, CA 94			
Emergency Customer Conta	act Name: Mike Hilliard			Safety and Heal	th Manager: <u>To</u>	om Konecsni	
Emergency Customer Conta	act Number: (510) 286-4495	_		Emergency Mus	ster Location: t	o be determined by the Site-	Field
3. PROJECT OVER	VIEW						
Work Area: Caltrans East B	ay Paint Station		Project Dura	tion: 14 DAYS	Pro	ject Date: Upon approval	
SCOPE OF WORK (Chec	k all that apply):						
☐ Labpacking	☐ Characterizations		☐ Over	packing	☐ Cylind	er Handling	
☐ Bulking	☐ Repacking		Drur	n Sampling	•	_	
Controlled Site Entry	☐ LTL	3	☑Other	Removal of (2) UST's, a 2,00	00 & 4,000 gallon tanks.	

1815 Wright Avenue, La Verne, CA 91750 • (909) 596-7780 • Fax (909) 593-8441

☐ Carcinogens*

☐ Explosives*

* - Requires S & H Manager Review

☑Permit Confined Space*

San Diego • Los Angeles • Phoenix

☑Noise

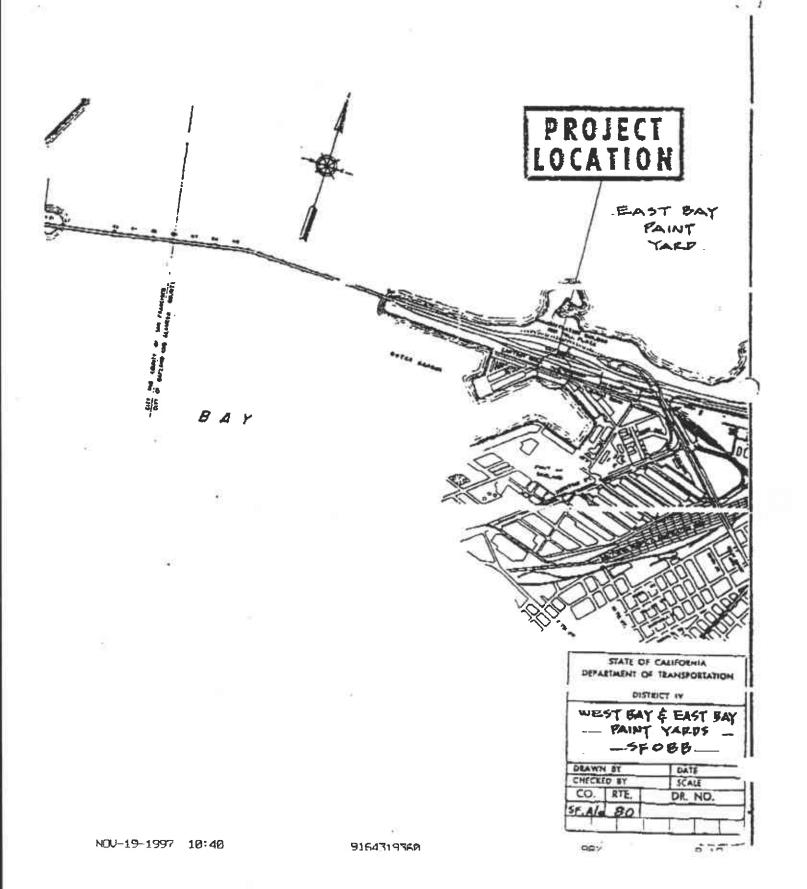
(#)			0.00		
Limited Space Work Are			rs D Elevated Work Surface (e.g. dock)		
Other (list type): Fire exp	olsion hazards exist when excavating	ig, cleaning & repoving under	recound storage ranks (UST's).		
	QUIRED (Mark a "C" on the box fo		•		
Site Orientation		☑ Evacuation Procedure	Emergency Response		
Contractor (approved)	✓ PPE Use (Type): "Modified EP	A Level "D"	Other (Type)		
4. HAZARD CONTRO	OL				
GENERAL SAFETY EQU	IPMENT REQUIRED				
Fixed Eyewash Shower	☑ Portable Eyewash/Shower	First Aid Kit	☑ Spill Kit		
☐ Decon Supplies	☑ Fire Extinguishers	☑Non-Sparking Tools	☐ Bonding Clips/Grounds/Wires		
☐ Barrier Shields	☑ Tape	☑ Cones	Specific Hazard Warning Signs		
Portable Hood	Portable Lights	Pallet Jack	☐ Drum Dolly		
☑ PPE			s of crushed dry ice per 1000 galloncapacity int		
the tanks upgrade to EPA Le	vel C when gasoline vapors exceed	300 ppm or 1% LEL, in the l	oreathing zone of the workers.		
PROTECTIVE EQUIPME	NT REQUIRED (Note: BES Unifo	rm, Safety Shoes & Safety Gle	asses with side shields required on all jobs)		
	d Use Required Equipment as Speci	fied in BES SOPs:			
		affected unsafe wal	ls once the tanks are removed.		
PCBs (OP-1001)					
Full-face cartridge respirator	oot covers (see SOP # HS-10)	☐ <u>Orum Sampling</u>	(OR 1004)		
Gloves: Solids: Nitrile inner			respirator or SCBA/Airline with escape bottle		
Liquids: Viton		(Sec SOP #RP-1)			
Lab Packs: Latex in	ner and Nitrile outer		ot covers (see SOP # HS-10)		
7		Latex or Nitrile in	ner and PVC outer gloves		
Labpack Quantities Chara	acterization (OP-1002) or SCBA/Airline with escape bottle	Controlled Site	R (OR 1007)		
(See SOP #RP-1)	or acta Armine with escape bottle	e <u>Controlled Site</u> Safety Glasses	Endy (OF-1007)		
Tyvek suit with boot covers	(see SOP # HS-10)		Hard hat (as needed)		
Latex inner and Nitrile oute	r gloves				
		☐ <u>Gas Cylinders (</u>)			
Repacking (OP-1003)	or SCBA/Airline with escape bottle		respirator or SCBA/Airline with escape bottle		
(see SOP #RP-1)	or acommittee with escape oblide		ot covers (see SOP # HS-10)		
Tyvek suit with boot covers	(see SOP # HS-10)	Nitrile or latex glov	· · · · · · · · · · · · · · · · · · ·		
Latex or Nitrile inner and P	/C outer gloves				
_		Labpacking (OF	2-1010)		
Tank Truck Bulking (OP		Safety glasses	, , , , , , , , , , , , , , , , , , ,		
(See SOP #RP-1)	or SCBA/Airline with escape bottle		ring vermiculite pouring)		
Tyvek suit with boot covers	(see SOP # HS-10)	Double Gloves: Nit	•		
Nitrile inner and PVC outer	gloves	12/2007%			
		Other or addition	nal* Do not enter tank for any reason without		
Drum Bulking (OP-1005		approval.			
Full-face cartridge respirator (See SOP #RP-1)	or SCBA/Airline with escape bottle		DP or non-SOP activities requires S &H Mana,		
Tyvek suit with boot covers	(see SOP # HS-10)	approval)	VI O. HOREDOT MORESTANDE TO WITE OF METERS AND METERS A		
Latex or Nitrile inner and P	C outer gloves	"Modified EPA lev	el "D" wear hearing protection during equipm		
Note: Upgrade to EPA Levo	IC.		ibber gloves & goggles while pumping &		
		cleaning tan			
SPECIAL INSTRUCTION	IS: Use caution when removing the t	₩0			

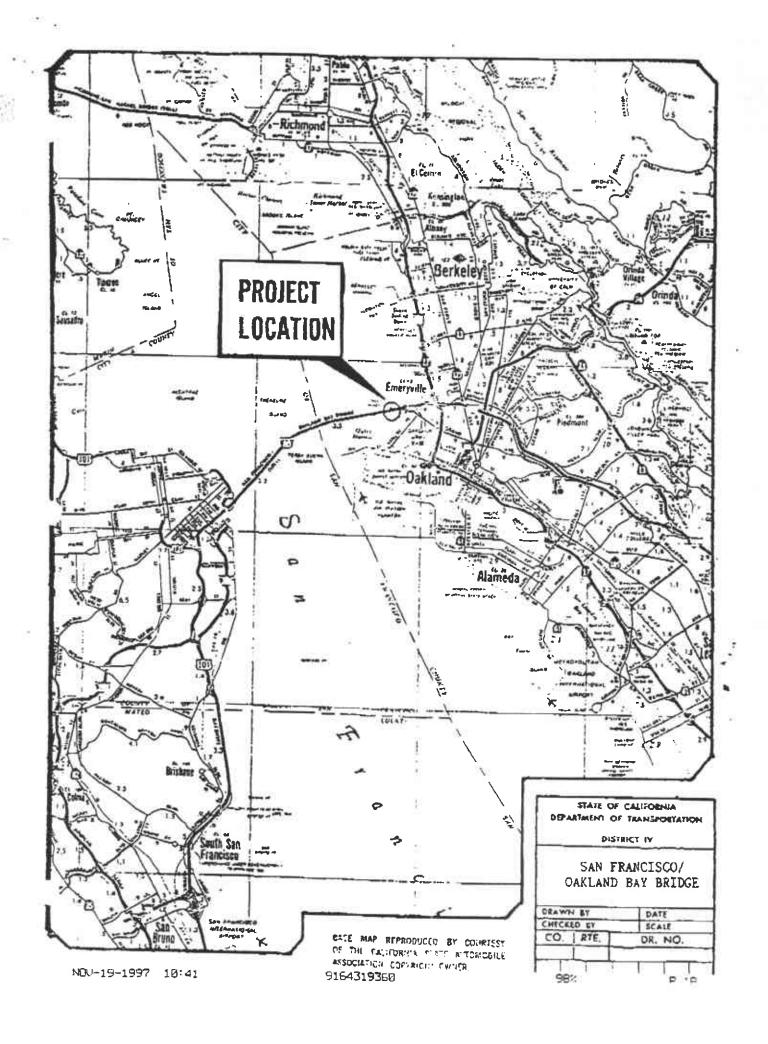
SPECIAL INSTRUCTIONS: Use caution when removing the two underground storage tanks. The walls could collapse due to the integrity of the constructional soil materials. Do not stand near the

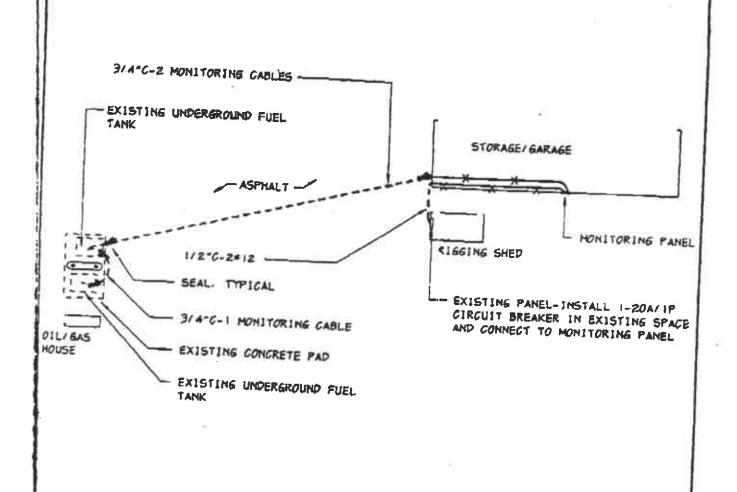
5. SITE DIAGRAM

Sketch the work area or attach a schematic drawing. Note locations of the following as required: • Evacuation Route	Eyewash/ShowerOther Hazards
Note significant activities (e.g., welding, lab work) in vicinity of work area and ensure evacuation rou greater hazard	te is not through an area of potentially
SEE ENCLOSED DRAWINGS	
	U
6. APPROVALS	
H & S Manager approval needed for this plan (See section 3 and 4): ☑ Yes ☐ No	
Safety & Health Manager Name : Tom Konecsni	Date: 1/13/98
Approving Signature Operations/Field Supervisor Name	Date 15 JAN 98

P. 16









NORTH

SCALE: 1 -- 40' -0"

SAN FRANCISCO-DAKLAND BAY BRIDGE PAINT SFOOD TOLL PLAZA OAKLAND. CA 94105 CONTACT: HIKE HILLIARD TEL: 510-286-4495

H-0. BDH 324 01 AMARBIR DHILLON

21 NOV 1994

5K-2

50%

1 mil 4m 4mm 4m+44

61F 171D700

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ReoSystems

Personal Protective Equipment: Upgrade to EPA level C includes use of air purifying respirator equipped with organic vapor cartridges (full or half face). Organolead is absorbed through the skin; known reproductive toxins; and avoid skin contact. Benzene is present and gasoline at 1-3%; known carcinogen; avoid inhalation of vapors.

Special Instructions Continued:

Notifications:

- 1. Notify the appropriate CALTRANS Engineer prior to start of work.
- 2. Notify the appropriate jurisdictional Fire department prior to UST excavation and removal.

Isolations:

 All electrical lines, piping, and like items known to be associated with the tank shall be isolated or disconnected. Where possible, remove the tank vent lines to within three feet of ground level. All segments of pipe, which remain attached to the tank, shall have any open ends securely plugged or capped.

Barriers and Signs:

1. Barriers and signs shall be install where necessary and any source of ignition shall be at least 50 feet away from the tank. Signs shall state "No Smoking" or "No Open Flames".

Fire/Explosion Prevention:

- The contractor must have the appropriate fire extinguisher equipment on the job prior to excavation or removal of USTs.
- 2. No cutting torch, open flame, or spark producing equipment shall be used on the tank or piping at any time. Any source of ignition shall be at least 50 feet away from the excavation site.
- 3. A properly calibrated flammable/combustible gas analyzer and oxygen is required on the job site prior to excavation or removal. Calibration of the meter must be within the last three months.
- 4. All tanks shall be checked for flammability and oxygen content, log the time and lower Explosive Limit (LEL) and oxygen content.
- 5. If at anytime during excavation, the lower explosive limit of the atmosphere around the tank exceeds 25 percent, all work will cease and proper mitigation procedures initiated.

Tank Cleaning:

- 1. Remove all remaining liquid through the existing pipe system, via the use of an appropriate vacuum truck and hose(s) (Not a pump truck). Observe proper grounding and bonding procedures.
- Air purging of the tank shall begin whenever the tank's atmosphere is found to be above 10 percent of
 the lower explosive limit, this can be accomplished using an air compressor and a venturi unit or air
 eductor. Observe proper grounding and bonding procedures.
- 3. Utilize high-pressure water to rinse the tank interior using a detergent, if necessary. The vacuum truck shall remove loose scale, sludge, and rinse water. When the sludge and other debris have been removed from the tank and the lower explosive limit reading is 0%, the washing may cease.
- 4. Place a minimum of 15 pounds of crushed dry ice per 1,000-gallon capacity into the tank.

Hazardous Waste Management:

All Interior rinse water and sludge shall be manifested and transported to a licensed hazardous waste site
or licensed treatment, storage, and disposal facility by a licensed hazardous waste transporter, subject to
all applicable governmental regulations. A copy of the manifest will be provided to the CALTRANS
project engineer.

HEALTH & SAFETY PLAN ACKNOWLEDGEMENT

NSTRUCTIONS: This form is to be signed by <u>all</u> on-Site BRADLEY ENVIRONMENTAL SERVICES personnel, including visitors, prior to work beginning. Any changes to the conditions at the site or the work to be performed requires a new Site-Specific Health and Safety Plan to be prepared and approved, and its accompanying Acknowledgement sheet to be signed as required.							
1. CLIENT INFO	DRMATION						
Client Name: Caltran	s East Bay Paint Station						
Address: San Francisc	o Oakla <u>nd Bay Bridge Toll Pla</u> :	.					
Standard Safety & Health Plan Date: 1/2/98 2. ACKNOWLEDGEMENTS							
Name (Print)	Signature	Title	Date				



CONSULTING . REMEDIATION . MANAGEMENT

1/2/98

STANDARD SITE-SPECIFIC SAFETY & HEALTH PLAN FOR:

Caltrans - District #4 **East Bay Paint Yard** Alameda County

Expires: 02/28/98

ī	SITE	DESCRI	PTION:
n .	3111		1 110/10

Industry (type) Transportation

Address: San Francisco Oakland Bay Bridge Toll-Plaza, Oakland, CA 94649

Contact Mr Mike Hilliard

Title: Contract Manager

Telephone#: (510) 286-4495

2. EMERGENCY CONTACTS

CHEMTREC: (800) 424-9300

NATIONAL RESPONSE CENTER: (800) 424-8802

EPA: (800) 242-934

BRADLEY ENVIRONMENTAL SERVICES (BES) OFFICE: 1-800-266-3657, (909) 596-7780 EXT. 220 Paget: (909) 613-4184

BES Corporate Office: 1815 Wright Ave., La Verne, CA 91750

Nearest BES Office: 5175 "B" Hilldale Circle.

El Dorado Hills, CA 95762

Spills/Releases Contact: Gary Smith

Summit Hospital: (510) 655-4000

Medical Emergency Telephone and Location: 911

Address: 350 Hawthorne Ave. Oakland, CA 94609

Safety and Health Manager: Tom Konecsni

Emergency Customer Contact Name: Mike Hilliard

Emergency Muster Location: to be determined by the Site-Field

Emergency Customer Contact Number: (510) 286-4495

Supervisor.

3. PROJECT OVERVIEW

Work Area: Caltrans East Bay Paint Station

Project Duration: 14 DAYS

Project Date: Upon approval

SCOPE OF WORK (Check all that apply):

☐ Labpacking

☐ Characterizations

□ Overpacking

Cylinder Handling

☐ Bulking

□ Repacking

☐ Drum Sampling

☐ Mercury PCBs

Controlled Site Entry

LTL

[2]Other: Removal of (2) UST's, a 2,000 & 4,000 gallon tanks.

ANTICIPATED HAZARDS (Check all that apply):

☐ IDLH Atmosphere*

O, Deficiency

☑Permit Confined Space*

☑Poor Ventilation

Cold

M Inhalation Hazards

🖜 - Requires S & H Manager Review

☑Flammables

Carcinogense

☐ Radioactivity*

☐ Heat

☐ Corrosives

Skin Hazarda

☐ Explosives*

☐ Biohazards*

☐ Sharps

Reactives (type) ☐ Machinery (type)

1815 Wright Avenue, La Yerne, CA 91750 • (909) 596-7780 • Fax (909) 593-8441

San Diego • Los Angeles • Phoenix

*				6	
Limited Space Work Area	ITI Vehicle Traffic	- Z Unever	Work Surface/State	Elevated Work Surface (e.g. dock)	
M Other (list type): Fire expe	Uvehicle Traffic colsion hazards exist when excavating	g cleanir	ig & retroving under	ground storage lanks (UST S).	35
	QUIRED (Mark u "C" on the box fo				
	WHEED (Mark a C an the own)	7 Fysch	ation Procedure	☑ Emergency Response	
Site Orientation	C) LIGINITA CAMPANNAMA			Other (Type)	_
Contractor (approved)	PPE Use (Type): "Modified EP/	A DEVEL	<u>r</u>		
4. HAZARD CONTRO	DL				
GENERAL SAFETY EQU	ipment required			=	
Fixed Eyewash Shower	Portable Eyewash/Shower		st Aid Kit	Spill Kit Bonding Clips/Grounds/Wire	e '
Decon Supplies	☑ Fire Extinguishers	No	n-Sparking Tools		
Barrier Shields	☑ Tape	☑ Ço	ones	Specific Hazard Warning Sig	213
	CO. 11. 11. 11.	☐ Pa	illet Jack	Drum Dolly	
Pontable Hood	CONTRACTOR OF THE PROPERTY OF THE PARTY OF T	acnes utili	zed at least 15 pour	ds of crushed dry icc per 1000 galloncapas breathing zone of the workers.	nty mi
the tanks upgrade to EPA L	☑Other: No smoking of open He evel C when gasoline vapors exceed	300 npg	or 1% LEL in the	breathing zone of the workers.	
the tanks uproduce to exist a			. Charle Control	losses with side shields required on all job	(x)
PROTECTIVE EQUIPMI	ENT REQUIRED (Note: BES Unifo	orm, Saje	sty Shoes a saleth o	lasses with side shields required on <u>all</u> job	
Mark Designated Activity a	nd Use Required Equipment as Spec	:уеа т =	affected unsafe w	alls once the tanks are removed.	
63 - on (On (ON))					
PCBs (OP-1001) Full-face carridge respirate	ar .				
Former costed typek with i	boot covers (see SOP # HS-10)		Drum Samplin	ig (OP-1006) e respirator <u>or</u> SCBA/Airline with escape t	oale
Gloves: Solids: Nitrile inne	r and PVC outer		Full-face cartridg	e respirator of SCDA Attimo	
Liquids: Viton			(Sec SOP #RP	oot covers (see SOP # HS-10)	
Lab Packs: Latex i	nner and Nitrile outer		Latex or Nitrile	nuter and PVC outer gloves	
Labpack Quantities Cha	meterization (OP-1002)				
Labpack Quantities Cua	or or SCBA/Airline with escape both	tle	Controlled Sit	e Entry (OP-1007)	
(See SOP #RP-1)			Safety Glasses		
Tyvek suit with boot cover	s (see SOP # HS-10)	35	Hard hat (as need	(ed)	
Latex inner and Nitrile out	ter gloves			(90.1808)	
			Gas Cylinder	ge respirator or SCBA/Airline with escape	bottle
Repacking (OP-1003)		mi.	(see SOP #RP		
Full-face cartridge respirat	or <u>or</u> SCBA/Airline with escape bot	ITIC	Tyvek spit with	boot covers (see SOP # H\$-10)	
(see SOP #RP-1)	· ·		Nitrile or latex g	loves	
Tyvek suit with boot cover	2 (See SOP # 113-10)				
Latex or Nitrile inner and	1 4C odici Bio.es		Labpacking	OP-1010)	
Tank Truck Bulking (C	1P_1004)		Sofety glasses		
Fall fore contrides technical	tor or SCBA/Airline with escape bo	nttle	Hard hat (as nee	ded)	
(See SOP #RP-1)			Dust respirator	during vermiculite pouring) Nitrile or better	
Tyvek suit with boot cove	75 (see SOP # HS-10)	1,754	Double Groves:	Iditing or octor	
Nitrile inner and PVC out	ei Rronez		_	tional* Do not enter tank for any reason w	ithoùt
				Hollar Do not their than 197	
Drum Bulking (OP-10	05)	1-	approval.		
Full-face cartridge respira	ntor or SCBA/Airline with escape be	MIC	(Exceptions to	SOP or non-SOP activules requires 5 & F	i Man
(See SOP #RP-!)			N	"	
Tyvek suit with boot cove	:rs (see SUP # 113+10)		STATE OF THE RESIDENCE OF THE PARTY OF THE P	level "D" wear hearing protection during	edinbi
Latex or Nitrile inner and	LAC Odici Bioses		operation. We	w rubber gloves & goggles while pumping	<u>ex</u> .
Note: Upgrade to EPA L.	a v best para		cleaning tan		
		d			4
SPECIAL INSTRUCTI	ONS: Use caution when removing to	the two			
underground storage tank	cs. The walls could collapse due to ional soil materials. Do not stand a	car the			
integrity of the construct	Miles and merchans The state and	No. of Concession, Name of Street, or other Designation, or other			

5. SITE DIAGRAM

Sketch the work area or attack Evecuation Route Exclusion (hot) zone Note significant activities (e.g. greater hazard.	Exits Decontamination Zon	Alarms Support Zone	Fire Extin	guisher • Other Hazz	rds
	LOSEO DRA	WINGS			
F.:	(2) (1)				×
	¥*.	9 3			

6. APPROVALS	31
H & S Manager approval needed for this plan (See section 3 and 4): Yes No	
Safety & Health Manager Name: Tom Konecsni	Date: 1/13/98
Approving Signature 5m dimelani	Date 15 JAN 98
Operations/Field Supervisor Name Capacita	



LOCATION ?

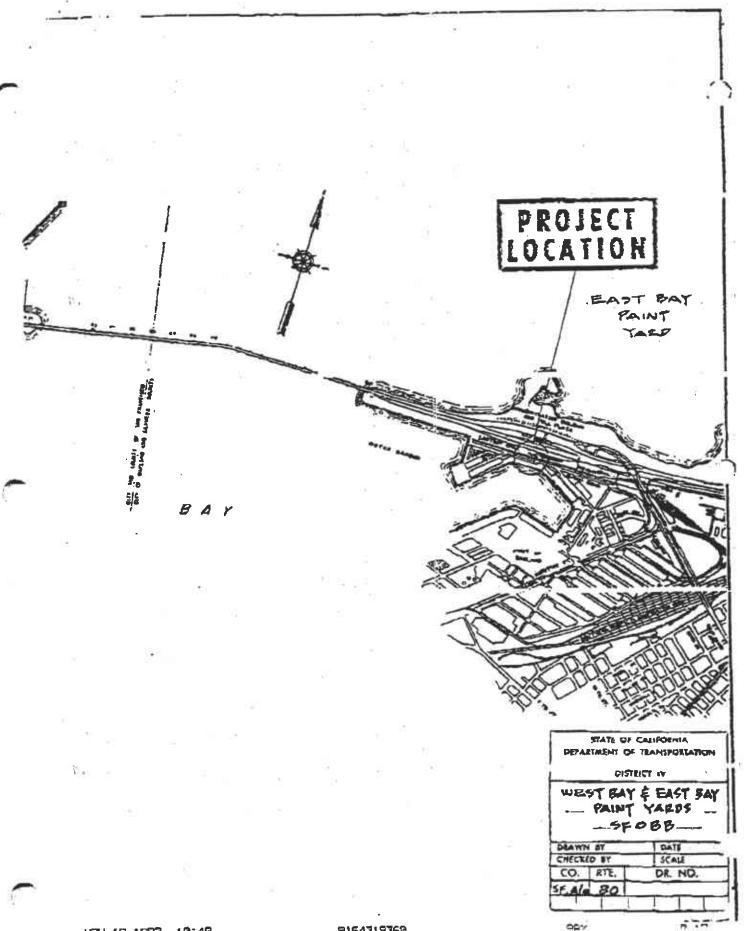
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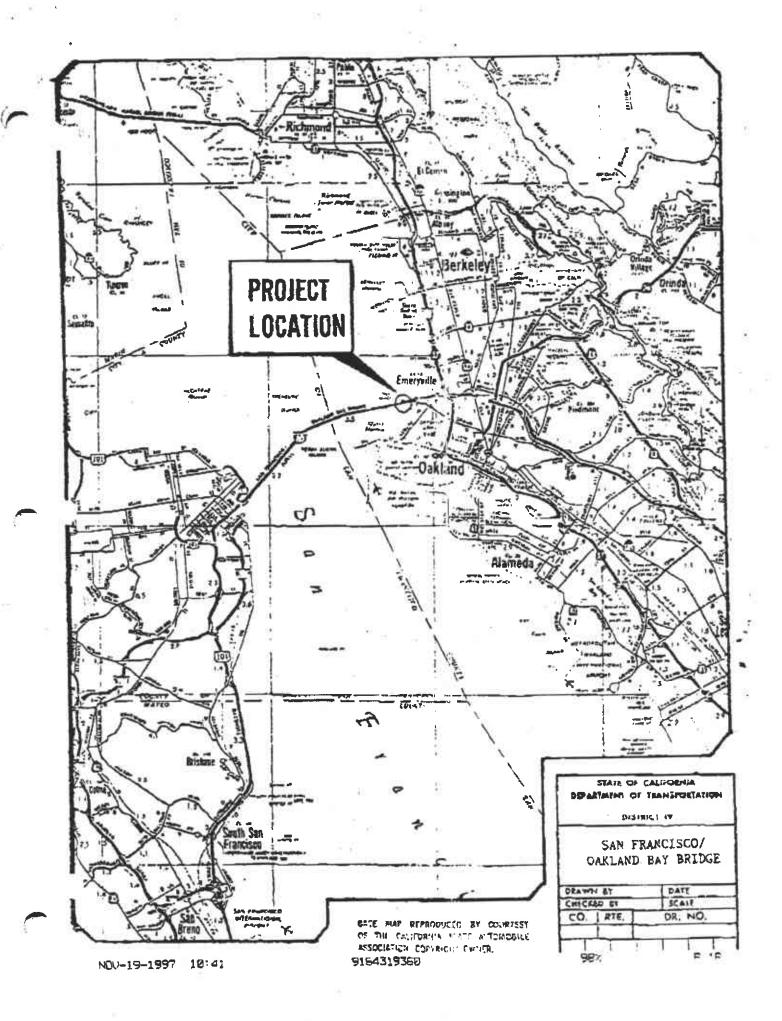
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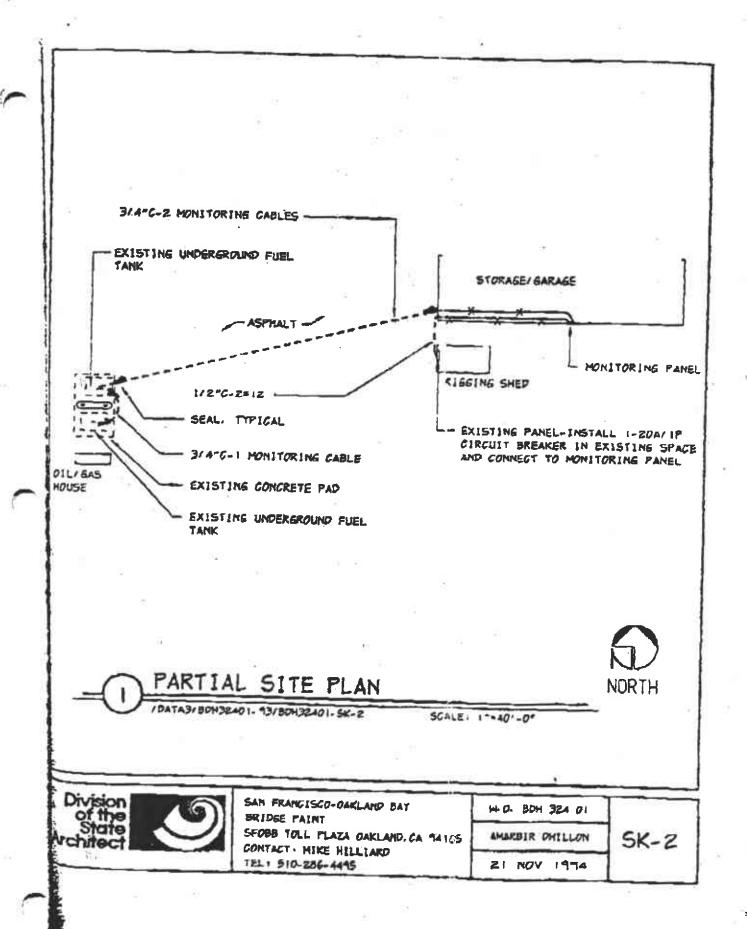
CTURAL DATE

STRUCTIMES . DESIGN .

Giate of CALIFORNIA ס, ת







Personal Protective Equipment: Upgrade to EPA level C includes use of air purifying respirator equipped with organic vapor cartridges (full or half face). Organolead is absorbed through the skin; known reproductive toxins; and avoid skin contact. Benzene is present and gasoline at 1-3%; known carcinogen; avoid inhalation of vapors.

Special Instructions Continued:

Notifications:

- 1. Notify the appropriate CALTRANS Engineer prior to start of work.
- 2. Notify the appropriate jurisdictional Fire department prior to UST excavation and removal.

Isolations:

 All electrical lines, piping, and like items known to be associated with the tank shall be isolated or disconnected. Where possible, remove the tank vent lines to within three feet of ground level. All segments of pipe, which remain attached to the tank, shall have any open ends securely plugged or capped.

Barriers and Signs:

 Barriers and signs shall be install where necessary and any source of ignition shall be at least 50 feet away from the tank. Signs shall state "No Smoking" or "No Open Flames".

Fire/Explosion Prevention:

- 1. The contractor must have the appropriate fire extinguisher equipment on the job prior to excavation or removal of USTs.
- No cutting torch, open flame, or spark producing equipment shall be used on the tank or piping at
 any time. Any source of ignition shall be at least 50 feet away from the excavation site.
- A properly calibrated flammable/combustible gas analyzer and oxygen is required on the job site prior to
 excavation or removal. Calibration of the meter must be within the last three months.
- 4. All tanks shall be checked for flammability and oxygen content, log the time and lower Explosive Limit (LEL) and oxygen content.
- If at anytime during excavation, the lower explosive limit of the atmosphere around the tank exceeds 25
 percent, all work will cease and proper mitigation procedures initiated.

Tank Cleaning:

- Remove all remaining liquid through the existing pipe system, via the use of an appropriate vacuum truck and hose(s) (Not a pump truck). Observe proper grounding and bonding procedures.
- Air purging of the tank shall begin whenever the tank's atmosphere is found to be above 10 percent of 2. the lower explosive limit, this can be accomplished using an air compressor and a venturi unit or air eductor. Observe proper grounding and bonding procedures.
- Utilize high-pressure water to rinse the tank interior using a detergent, if necessary. The vacuum truck shall remove loose scale, sludge, and rinse water. When the sludge and other debris have been removed 3. from the tank and the lower explosive limit reading is 0%, the washing may cease. 11.
- Place a minimum of 15 pounds of crushed dry ice per 1,000-gailon capacity into the tank. 4.

Hazardous Waste Management:

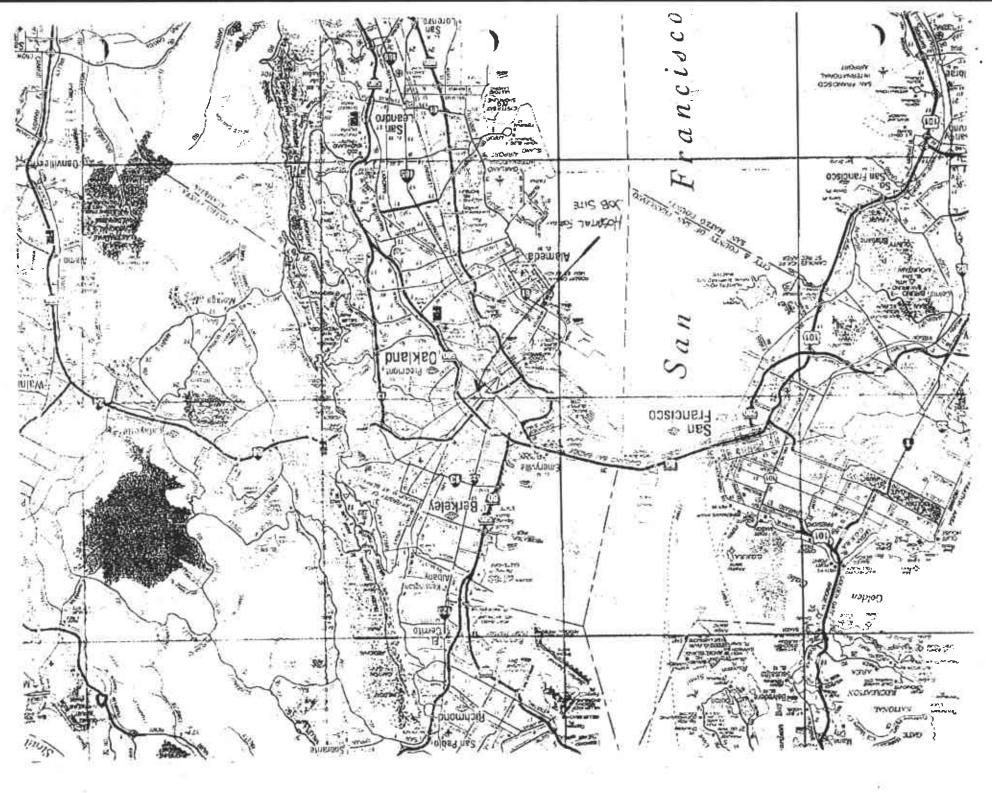
All Interior rinse water and sludge shall be manifested and transported to a licensed hazardous waste site 1. or licensed treatment, storage, and disposal facility by a licensed hazardous waste transporter, subject to all applicable governmental regulations. A copy of the manifest will be provided to the CALTRANS project engineer.

1 .

HEALTH & SAFETY PLAN ACKNOWLEDGEMENT

INSTRUCTIONS: This form is to be signed by all on-Site BRADLEY ENVIRONMENTAL SERVICES personnel, including visitors, prior to work heginning. Any changes to the conditions at the site or the work to be performed requires a new Site-Specific Health and Safety Plan to be prepared and approved, and its accompanying Acknowledgement sheet to be signed as required.

. CLIENT INFO	ORMATION		
Client Name: Caluan	s East Bay Paint Station		
ddress: San Francisc	o Oakland Bay Bridge Toll Pi	821	
randard Safety & He	aith Plan Date: 1/2/98		
. ACKNOWLE		2.0	
to the best of my know	wicage this plan retreets are or	ched Site-Specific Health and Safety Plassifier work to be performed and the hazar he plan and related BRADLEY ENVIROUSLY with the materials required.	n for the afgrementioned client site. I also certify ids present. By signing below, I agree to abide to NMENTAL SERVICES Standard Operations
Name (Print)	Signature	Title	Date
	D		
۲,			
-			
	-		v v





CONSULTING * BE MEDIATION * METAGEMENT

VIRONMENTAL SERVICES

X Transmission

From:

STEVE MOULIS

Questions?

Call 916 431 9354

916 431 9360 Fax

To:

ROB WESTON

Company

Address:

Date:

Ting.

1222

Address Reply To:

Bradley Environmental Services 5175-B Hillsdale Circle El Dorado Hills, CA 95762

Tax: 1) 510-337-9335

Phone () 510 - 567 - 6781

Pages (including the one)

Original:

Will Be Mailed [] Will Not Be Mailed

This message is intended for the use of the individual or entire to which a is addressed and may contain information that is private and confidential. If the reader of this message is not the intended secquent or an employer or agent respinasible for delicering the message to the intended recipient, you are hereby notified that any dissemination described on a copyrig of the communication is strictly prohibited. If you have rescreed this communication in cross please mains as numerically to telephone and return the original to us by mail. Drank you

Message ROB - HES PLANS FOR EAST BAY PAINT YARD. IF ANY QUESTIONS PLEASE CALL

9/6-431-9354.



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1/2/98

STANDARD SITE-SPECIFIC SAFETY & HEALTH PLAN FOR:

Caltrans - District #4
East Bay Paint Yard
Alameda County

		Ziamçua Ç	Jounty		Expires: 02/28/98
1. SITE DESCRIPTIO	on:		~ Inc	iustry (<i>type</i>) Transpor	tation
Address: San Francisco Oakla	und Bay Bridge Toll-Plaza,	Dakland, CA 9464	<u>19</u>		
Contact.Mr-Mike Hilliard	FINE TYPER	Title: Contract Ma	падег	Telepho	one#: (510) 286-4495
2. EMERGENCY CO.	NTACTS				
CHEMTREC: (800) 424-93 BRADLEY ENVIRONMEN		NAL RESPONSE OFFICE: 1-800-2			EPA: (800) 242-934 ger: (909) 613-4184
BES Corporate Office: 1815	Wright Ave., La Verne,CA	91750	Nearest BES O	ffice: 5175 "B' Hillda El Dorado Hills	
Spills/Releases Contact: Gary Smith			Address: 350 Ha		
Medical Emergency Telephone and Location: 911			Oakland, CA 9	4609	
Emergency Customer Contac	t Name: Mike Hilliard		Safety and Health Manager: Tom Konecsni		
Emergency Customer Contact Number: (510) 286-4495 Supervisor.			Emergency Mus	ster Location: to be det	ermined by the Site-Field
3. PROJECT OVERV	TEW				
Work Area: Caltrans East Ba	y Paint Station	Project Dura	ation: <u>14 DAYS</u>	Project Dat	e: Upon approval
SCOPE OF WORK (Check	; all that apply);				
☐ Labpacking	☐ Characterizations		rpacking	Cylinder Hand	
☐ Bulking ☐ Controlled Site Entry	☐ Repacking ☐ LTL		n Sampling Removal of (2)	☐ PCBs) UST's, a 2,000 & 4,0	Mcrowy 000 gallon tanks
ANTICIPATED HAZARD	S (Check all that apply):	* - Requires S &	H Manager Rev	iew	
☐ IDLH Atmosphere* ☑ Inhalation Hazards ☐ Corrosives ☐ Bichazards*	☐ O₂ Deficiency ☑ Skin Hazards ☑ Flammables ☑ Sharps 1815 Wright Avenue, La Ve	☐ Carcino ☐ Explosi ☑ Noise	ves* (909) 596-7780	Poor Ventilatio □ Radioactivity* □ Reactives (type □ Machinery (type • Fax (909) 593-8441	Heat

916-431-5357

STEVE mellusic

Automorphisms (Automorphisms)	(4-0 minorates) = 1515				
☐ Limited Space Work Area			irs Elevated Work Surface (e.g. dock)		
☑ Other (list type): Fire exp	olsion hazards exist when excavatir	ng, cleaning & reboving under	reround storage lanks (UST S).		
SPECIAL TRAINING REC	UIRED (Mark a "C" on the box f	or training the client is to pro	vide)		
Site Orientation	☑ Hazard Communication	☑ Evacuation Procedure	☑ Emergency Response		
Contractor (approved)	☑PPE Use (Type): "Modified EP.	A Level "D"	Other (Type)		
4. HAZARD CONTRO	DL				
GENERAL SAFETY EQU	IPMENT REQUIRED				
Fixed Eyewash Shower	☑ Portable Eyewash/Shower	First Aid Kit	☑ Spill Kit		
☐ Decon Supplies	☑ Fire Extinguishers	☑Non-Sparking Tools	☐ Bonding Clips/Grounds/Wires		
Barrier Shields	☑ Tape	☑ Cones	Specific Hazard Warning Signs		
Portable Hood	Portable Lights	Pallet Jack	☐ Drum Dolly		
₩ PPE	☑Other: No smoking or open fla	mes utilized at least 15 pound	ds of crushed dry ice per 1000 galloncapacity int		
the tanks upgrade to EPA Le	vel C when gasoline vapors exceed	300 ppm or 1% LEL, in the	breathing zone of the workers.		
PROTECTIVE EQUIPME	INT REQUIRED (Note: BES Unifo	orm, Safety Shoes & Safety Oi Book in DES SOPE	lasses with side shields required on <u>all</u> jobs)		
Mark Designated Activity an	d Use Required Equipment as Spec	affected unsafe wa	ills once the tanks are removed.		
[] cop (op 1001)					
PCBs (OP-1001) Full-face cartridge respirator					
	oot covers (see SOP # HS-10)	Drum Sampling	g (OP-1006)		
Gloves: Solids: Nitrile inner		Full-face cartridge	respirator or SCBA/Airline with escape bottle		
Liquids: Viton		(Sec SOP #RP-	1)		
Lab Packs: Latex in	mer <u>and</u> Nitrile outer	Tyvek suit with bo	oot covers (see SOP # HS-10)		
_		Latex of Nitriie in	iner and PVC outer gloves		
Labpack Quantities Char		le	Retr. (OR. 1007)		
Full-face cartridge respirator (See SOP #RP-1)	or SCBA/Airline with escape bottl	Safety Glasses	Elidy (O1-1007)		
Tyvek suit with boot covers	(see SOP # HS-10)	Ŧ	Hard hat (as needed)		
Latex inner and Nitrile oute		·			
	_	Gas Cylinders	(OP-1008)		
Repacking (OP-1003)			respirator or SCBA/Airline with escape bottle		
	r <u>or</u> SCBA/Airline with escape bott	le (see SOP #RP-1			
(see SOP #RP-1)	(COO # HC 10)		Tyvek suit with boot covers (see SOP # HS-10) Nitrile or latex gloves		
Tyvek suit with boot covers Latex or Nitrile inner and P		tentile of intex Bir	7163		
Pares of filtric introt with a	TO GULDI GIOTTE	☐ Labpacking (C	P-1010)		
Tank Truck Bulking (OF	2-1004)	Sofety glasses			
Full-face cartridge respirato	r or SCBA/Airline with escape bott	le Hard hat (as need	ed)		
(See SOP #RP-1)		Dust respirator (d	uring vermiculite pouring)		
Tyvek suit with boot covers		Double Gloves: N	intile or better		
Nitrile inner and PVC outer	gloves	Fig. (192	14 The control took for the season without		
FT			onal* Do not enter tank for any reason without		
Drum Bulking (OP-100:	or <u>or</u> SCBA/Air <mark>line with escape</mark> bott	approval.			
(See SOP #RP-1)	A DODAN WELLS WITH STREET OF	* (Exceptions to S	SOP or non-SOP activities requires S &H Mana,		
Tyvek suit with boot covers	s (see SOP # H\$-10)	approval)			
Latex or Nitrile inner and P	VC outer gloves	"Modified EPA I	evol "D" wear hearing protection during equipm rubber gloves & goggles while pumping &		
Note: Upgrade to EPA Lev	<u>ci C.</u>	operation. Wear	tubbet Eloves & Kokeres withe bambane of		
		Cication and			
	nter the state of	4-10			

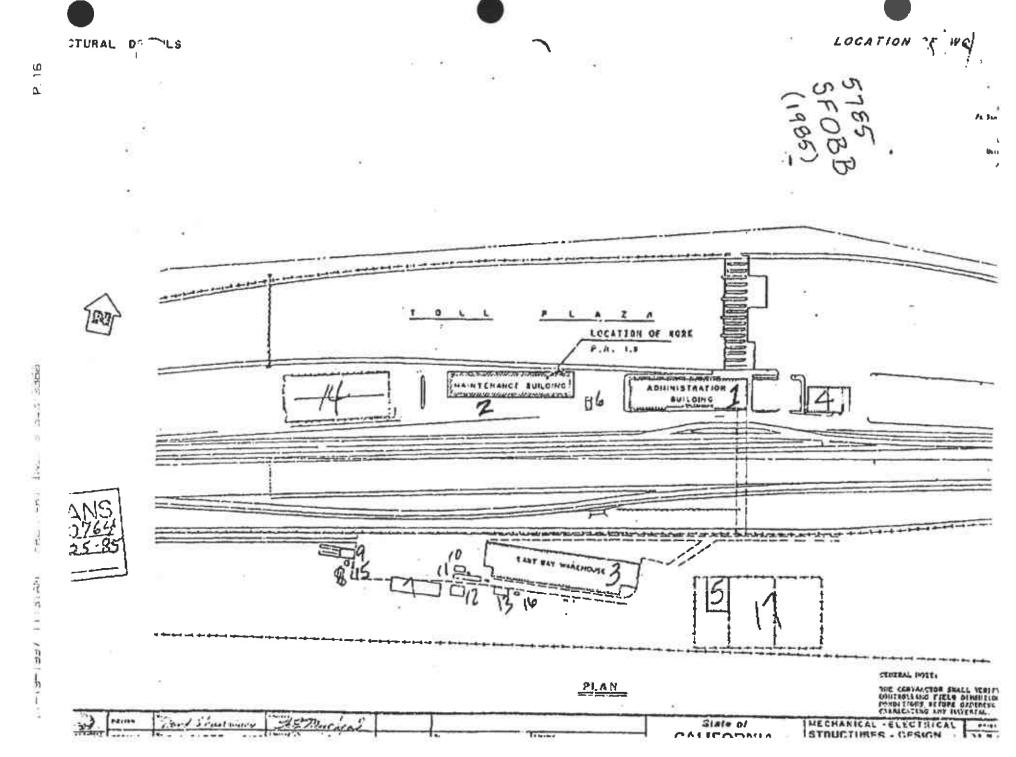
SPECIAL INSTRUCTIONS: Use caution when removing the two underground storage tanks. The walls could collapse due to the integrity of the constructional soil materials. Do not stand near the

5. SITE DIAGRAM

Operations/Field Supervisor Name

5. DITE DINGKAM	
Sketch the work area or attach a schematic drawing. Note locations of the following as required. • Evacuation Route • Exits • Alarms • Telephone • Exclusion (hot) zone • Decontamination Zone • Support Zone • Fire Extinguis	 Eyewash/Shower
Note significant activities (e.g., welding, lab work) in vicinity of work area and ensure evacuation greater hazard	n route is not through an area of potentiall
SEE ENCLOSED DRAWINGS	
6. APPROVALS	
H & S Manager approval needed for this plan (See section 3 and 4): ☑ Yes ☐ No	
Safety & Health Manager Name: Tom Konecsni Approving Signature	Date: 1/13/98

Date 15 JAN 88

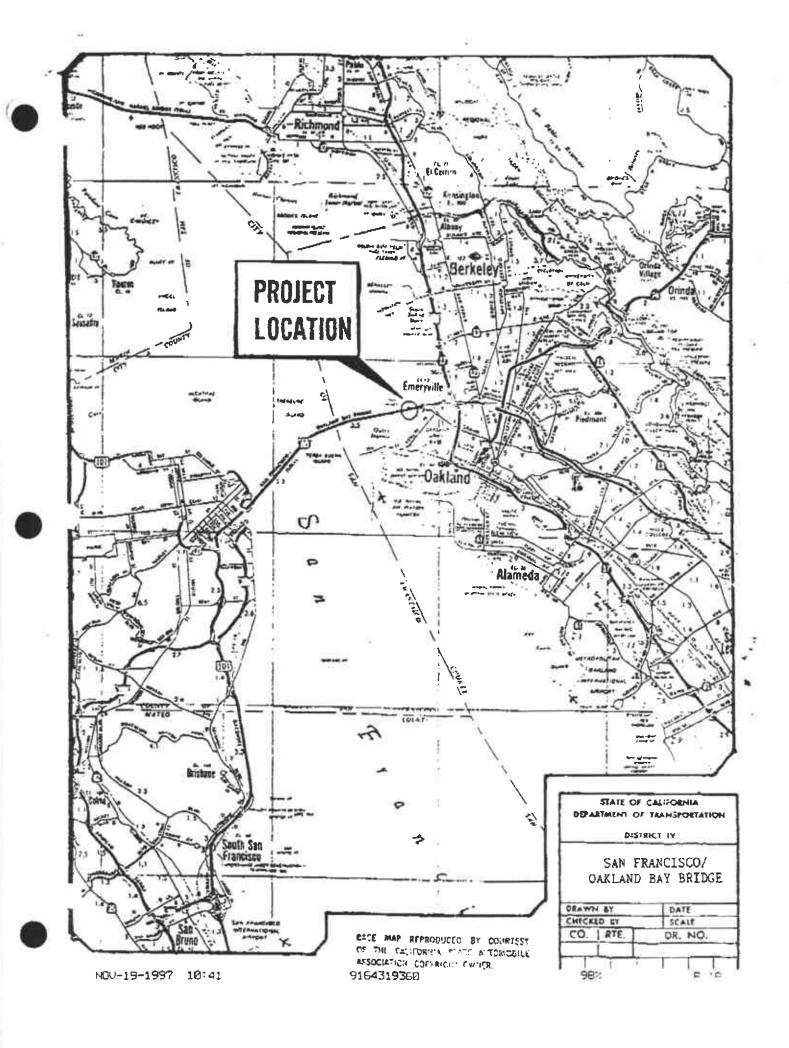


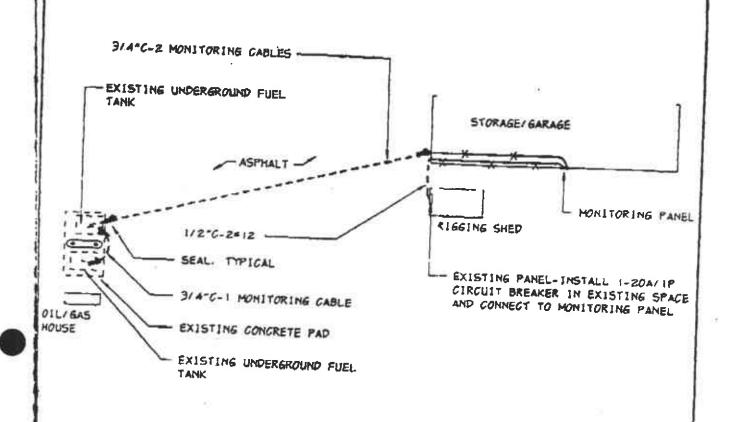
PROJECT LOCATION EAST BAY PAINT YARD. BAY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DISTRICT IV WEST BAY & EAST BAY - PAINT YARDS -SFOBB ... DEAWN SY DATE CHECKED BY SCALE CO. RTE. DR. NO. SF. Ald 80

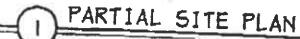
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NORTH

/ DATA3/80H32401- 93/80H32401- SK-2

SCALE: 1--40'-0"



SAN FRANCISCO-OAKLAND BAY BRIDGE PAINT SFORR TOLL PLAZA CAKLAND. CA 94105 CONTACT: MIKE HILLIARD TEL: 510-286-4445

HO- BOH 324 01

AMARBIR DHILLON

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GeoSystems

Personal Protective Equipment: Upgrade to EPA level C includes use of air purifying respirator equipped with organic vapor cartridges (full or half face). Organolead is absorbed through the skin; known reproductive toxins; and avoid skin contact. Benzene is present and gasoline at 1-3%; known carcinogen; avoid inhalation of vapors.

Special Instructions Continued:

Notifications:

- 1. Notify the appropriate CALTRANS Engineer prior to start of work.
- 2. Notify the appropriate jurisdictional Fire department prior to UST excavation and removal.

Isolations:

 All electrical lines, piping, and like items known to be associated with the tank shall be isolated or disconnected. Where possible, remove the tank vent lines to within three feet of ground level. All segments of pipe, which remain attached to the tank, shall have any open ends securely plugged or capped.

Barriers and Signs:

1. Barriers and signs shall be install where necessary and any source of ignition shall be at least 50 feet away from the tank. Signs shall state "No Smoking" or "No Open Flames".

Fire/Explosion Prevention:

- The contractor must have the appropriate fire extinguisher equipment on the job prior to excavation or removal of USTs.
- 2. No cutting torch, open flame, or spark producing equipment shall be used on the tank or piping at any time. Any source of ignition shall be at least 50 feet away from the excavation site.
- 3. A properly calibrated flammable/combustible gas analyzer and oxygen is required on the job site prior to excavation or removal. Calibration of the meter must be within the last three months.
- 4. All tanks shall be checked for flammability and oxygen content, log the time and lower Explosive Limit (LEL) and oxygen content.
- 5. If at anytime during excavation, the lower explosive limit of the atmosphere around the tank exceeds 25 percent, all work will cease and proper mitigation procedures initiated.

Tank Cleaning:

- 1. Remove all remaining liquid through the existing pipe system, via the use of an appropriate vacuum truck and hose(s) (Not a pump truck). Observe proper grounding and bonding procedures.
- Air purging of the tank shall begin whenever the tank's atmosphere is found to be above 10 percent of the lower explosive limit, this can be accomplished using an air compressor and a venturi unit or air eductor. Observe proper grounding and bonding procedures.
- 3. Utilize high-pressure water to rinse the tank interior using a detergent, if necessary. The vacuum truck shall remove loose scale, sludge, and rinse water. When the sludge and other debris have been removed from the tank and the lower explosive limit reading is 0%, the washing may cease.
- Place a minimum of 15 pounds of crushed dry ice per 1,000-gallon capacity into the tank.

Hazardous Waste Management:

All Interior rinse water and sludge shall be manifested and transported to a licensed hazardous waste site
or licensed treatment, storage, and disposal facility by a licensed hazardous waste transporter, subject to
all applicable governmental regulations. A copy of the manifest will be provided to the CALTRANS
project engineer.

HEALTH & SAFETY PLAN ACKNOWLEDGEMENT

INSTRUCTIONS: This form is to be signed by <u>all</u> on-Site BRADLEY ENVIRONMENTAL SERVICES personnel, including visitors, prior to work beginning. Any changes to the conditions at the site or the work to be performed requires a new Site-Specific Health and Safety Plan to be prepared und approved, and its accompanying Acknowledgement sheet to be signed as required.				
1. CLIENT INFO	RMATION			
Client Name: Caltrans East Bay Paint Station				
Address: San Francisco	Oakland Bay Bridge Toll Plaza			
Standard Safety & Hea	Ith Plan Date: <u>1/2/98</u>			
2. ACKNOWLEI	2. ACKNOWLEDGEMENTS			
to the best of my know the all procedures and/	ledge this plan reflects the curre	nt work to be performed and the haza plan and related BRADLEY ENVIRO	an for the aforementioned client site. I also certify ands present. By signing below, I agree to abide to DNMENTAL SERVICES Standard Operations	
Name (Print)	Signature	Title	Date	
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			<u> </u>	
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