



Cal/EPA

Department of
Toxic Substances
Control

700 Heinz Avenue,
Bldg. F, Suite 200
Berkeley, CA
94710

November 21, 1997

Pete Wilson
Governor

Mr. Nino Cerruti
Caltrans
P.O. Box 23660
Oakland, California 94623-0660

Secretary for
Environmental
Protection

**AMENDMENT TO REMEDIAL DESIGN AND IMPLEMENTATION
PLAN FOR CONTAINER FREIGHT SITE, 1285 5TH STREET, CYPRESS
REPLACEMENT PROJECT, OAKLAND**

Dear Mr. Cerruti:

The Department of Toxic Substances Control (DTSC) received the Amendment the Remedial Design and Implementation Plan (RDIP) for the Container Freight Site. DTSC has reviewed the plan and found that it addresses all of DTSC's concerns and therefore the plan is approved. If you have any questions regarding this letter, please call Lynn Nakashima at (510) 540-3839.

Sincerely,

Barbara J. Cook, P.E., Chief
Northern California - Coastal Cleanup
Operations Branch

cc: Mr. Derek Lee
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Mr. Nino Cerruti
November 21, 1997
Page Two

cc: Mr. Peter Altherr
Caltrans - Cypress Construction Office
1121 7th Street
Oakland, California 94607

Mr. Christopher Wilson
Caltrans - Environmental Engineering
P.O. Box 23660
Oakland, California 94623-0660



Cal/EPA

September 15, 1997

*Pete Wilson
Governor*

*Department of
Toxic Substances
Control*

*700 Heinz Avenue,
Suite 200
Berkeley, CA
94710-2737*

Mr. Nino Cerruti
Caltrans
P.O. Box 23660
Oakland, California 94623-0660

*Peter M. Rooney
Acting Secretary for
Environmental
Protection*

Dear Mr. Cerruti:

**AMENDMENT TO REMEDIAL DESIGN AND IMPLEMENTATION
PLAN, CONTAINER FREIGHT, 1285 FIFTH STREET, CYPRESS
RECONSTRUCTION PROJECT, OAKLAND**

The Department of Toxic Substances Control (DTSC) received the proposed amendment to the Remedial Design and Implementation Plan (RDIP) for the Container Freight site. The amendment includes the excavation of additional soil from the site for construction of an on and off ramp and drainage ditch. DTSC has reviewed the proposed amendment and has the following comments:

Section 3.1, Site Excavation:

- a. Roadway Excavation: Please clarify where ~~and~~ soil excavated from the site will be used as fill material. Also, explain how the soil will be placed and covered.
- b. This section does not discuss the excavation activities associated with the drainage ditch. Please include a paragraph describing these activities as well as the minimum/maximum and average depths of excavation.

If you have any questions regarding this letter, please call Lynn Nakashima at (510) 540-3839.

Sincerely,

Barbara J. Cook, P.E., Chief
Northern California - Coastal Cleanup
Operations Branch

Mr. Nino Cerruti
September 15, 1997
Page Two

cc: Mr. Stephen Morse
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Mr. Christopher Wilson
Caltrans
Environmental Engineering
P.O. Box 23660
Oakland, California 94623-0660

Mr. Peter Altherr
Caltrans Construction Office
1121 7th Street, 2nd Floor
Oakland, California 94607

Ms. Kathleen Liega
Caltrans Construction Office
1545 Willow Street
Oakland, California 94607

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737
(510) 540-3724



February 7, 1996

Mr. Ace Forsen, Chief
Project Development/Benicia-Martinez Bridge
Caltrans
P.O. Box 23660
Oakland, California 94623-0660

Dear Mr. Forsen:

**REVISED REMEDIAL DESIGN AND IMPLEMENTATION PLAN (RDIP),
CONTAINER FREIGHT SITE, 1285 5TH STREET, CYPRESS RECONSTRUCTION
PROJECT, OAKLAND**

The Department of Toxic Substances Control (DTSC) received the revised RDIP for the Container Freight Site prepared and submitted by Caltrans. The plan describes the methods that will be used to remediate the site. The RDIP was revised in response to comments provided by DTSC to Caltrans in a letter dated December 4, 1995. DTSC has reviewed the revised RDIP and approves the plan contingent upon the following:

1. The signature page needs to be resubmitted with the registered engineer's signature and stamp.
2. Page 17, Section 6.1, third sentence: Correct this page to indicate that future site maintenance activities will include maintenance of the embankment area and site cap.

If you have any questions regarding this letter, please contact Lynn Nakashima at (510) 540-3839.

Sincerely,

A handwritten signature in black ink that reads "Barbara J. Cook".

Barbara J. Cook, P.E., Chief
Site Mitigation Branch

cc: See next page

Mr. Ace Forsen
February 7, 1996
Page Two

cc: Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Mr. Joel Howie
Caltrans
Environmental Engineering
P.O. Box 23660
Oakland, California 94623-0660

Ms. Kathleen Leiga
Caltrans
Cypress Construction Office
1545 Willow Street
Oakland, California 94607

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737
(510) 540-3724



January 17, 1996

Mr. Ace Forsen, Chief
Project Development/Benicia-Martinez Bridge
Caltrans
P.O. Box 23660
Oakland, California 94623-0660

Dear Mr. Forsen:

**UNDERGROUND STORAGE TANK CLOSURE REPORT, FORMER CONTAINER
FREIGHT SITE, 1285 5TH STREET, CYPRESS RECONSTRUCTION PROJECT,
OAKLAND**

The Department of Toxic Substances Control (DTSC) received Caltrans' letter, dated January 11, 1996 containing the Addendum to the underground tank removal report prepared by Jonas and Associates. The Addendum describes how soil excavated from the underground tank area was disposed, and includes copies of the Uniform Hazardous Waste Manifests that accompanied each shipment. DTSC has reviewed the Addendum and has no further comments regarding this report.

If you have any questions regarding this letter, please contact Lynn Nakashima at (510) 540-3839.

Sincerely,

A handwritten signature in black ink that reads "Barbara J. Cook".

Barbara J. Cook, P.E., Chief
Site Mitigation Branch

cc: See next page

cc: Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Mr. Joel Howie
Caltrans
Environmental Engineering
P.O. Box 23660
Oakland, California 94623-0660

Ms. Kathleen Leiga
Caltrans
Cypress Construction Office
1545 Willow Street
Oakland, California 94607

Mr. Frank Cannizzaro
Caltrans
Cypress Construction Office
1121 7th Street
Oakland, California 94607

Mr. Ace Forsen
96 JAN 19 PM 5:27

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737
(510) 540-3724



December 26, 1995

Mr. Ace Forsen, Chief
Project Development/Benicia-Martinez Bridge
Caltrans
P.O. Box 23660
Oakland, California 94623-0660

Dear Mr. Forsen:

**UNDERGROUND STORAGE TANK CLOSURE REPORT, FORMER CONTAINER
FREIGHT SITE, 1285 5TH STREET, CYPRESS RECONSTRUCTION PROJECT,
OAKLAND**

The Department of Toxic Substances Control (DTSC) received the above mentioned report prepared by Jonas & Associates Inc. on behalf of Caltrans. The report describes the removal of the 700-gallon underground tank and subsequent soil and groundwater sampling. DTSC has reviewed the plan and requests that the rationale for disposing the stockpiled soil as a Class I RCRA hazardous waste be included in the report. This discussion should include the RCRA waste code and/or Toxicity Characteristic Leaching Potential (TCLP) results. In addition, state the final disposal location of the soil as ECDC does not have a RCRA disposal facility in Oakland. Finally, include a copy of the hazardous waste manifest(s) that accompanied the shipment.

If you have any questions regarding this letter, please contact Lynn Nakashima at (510) 540-3839.

Sincerely,

A handwritten signature in black ink that reads "Barbara J. Cook".

Barbara J. Cook, P.E., Chief
Site Mitigation Branch

cc: See next page

Mr. Ace Forsen
December 26, 1995
Page Two

cc: Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Mr. Joel Howie
Caltrans
Environmental Engineering
P.O. Box 23660
Oakland, California 94623-0660

Ms. Kathleen Leiga
Caltrans
Cypress Construction Office
1545 Willow Street
Oakland, California 94607

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737
(510) 540-3724



December 4, 1995

Mr. Ace Forsen, Chief
Project Development/Benicia-Martinez Bridge
Caltrans
P.O. Box 23660
Oakland, California 94623-0660

Dear Mr. Forsen:

**COMMENTS TO REMEDIAL DESIGN AND IMPLEMENTATION PLAN (RDIP),
CONTAINER FREIGHT SITE, 1285 5TH STREET, CYPRESS RECONSTRUCTION
PROJECT, OAKLAND**

The Department of Toxic Substances Control (DTSC) received the Remedial Design and Implementation Plan, dated November 1995, for the Container Freight Site prepared by Caltrans. The plan describes the excavation and disposal of soil from nine freeway footing locations. Capping and groundwater monitoring at the site is not included in this plan but will be addressed in a separate plan to be submitted by Caltrans. In general, the plan contains the required components of a RDIP, but requires some revision. DTSC has reviewed the plan and has the following comments:

General Comments:

1. Include the East Bay Municipal Utility District (EBMUD) and NPDES discharge limits in the plan.
2. The text of the plan should be checked for grammatical and spelling errors.
3. Because not all soil samples were analyzed for semi-volatile organic compounds (SVOCs) and volatile organic compounds (VOCs), the plan needs to describe how soil excavated from these footings will be characterized for disposal.
4. A general description of the underground storage tank removal and summary of any sampling and/or observations made should be included in the plan.
5. Consistent scientific units (e.g. ppm versus mg/kg) should be used throughout the document.

Specific Comments:

1. Page i, Introduction, 2nd paragraph, last sentence: Change "Hazardous" to "Contaminated."
2. Page 1, Section 1.2, Land Use:
 - a. Include a map showing the location of the facilities contained in Figure 4, and indicate the site location.
 - b. Figure 5, Surrounding Land Use Map, should be referenced in paragraph 2.
3. Page 1, Section 1.4, Description of Contaminants at Project Site:
 - a. Delete "at Project" in the heading.
 - b. 2nd paragraph, last sentence: Delete the word "necessary".
4. Page 2, Groundwater Contaminants: Spell out TRPH, VOCs and SVOCs the first time each acronym is used.
5. Page 2, Soil Contaminants:
 - a. 5th paragraph, 3rd sentence: Revise sentence to, "Chromium and zinc were detected in soil sample H1 at concentrations of 5,000 ppm and 17,000 ppm, respectfully."
 - b. Include a discussion regarding arsenic since the chemical was detected above the PRGs in soil samples.
6. Page 3, Summary of Contaminants: Highlight the groundwater sample values that exceed NPDES/EBMUD discharge standards and footnote which standard was used.
7. Page 4, Section 1.5, Risk Assessment Summary:
 - a. Replace "Assesment" with "Assessment" in the heading.
 - b. Revise the first sentence to, "Cancer risk and the non-cancer Hazard Index were calculated for each contaminant and for each pathway identified in Section 1.6 (Clean up Standards).
 - c. Revise the third sentence to, "A baseline risk assessment (BRA) was performed for the Container Freight site based upon the PEA risk assessment guidelines.
 - d. Revise the last sentence to "...1.1 x 10E-4 which exceeds the commonly acceptable range of 1.0 x 10E-4 to 1.0 x 10E-6.
8. Page 10, Section 2.2, Site Securing and Perimeter Establishment:
 - a. This section states that a portion of the site is fenced; however, the area around the former truck parking area is not. Because the entire site contains contaminated material, please explain why the entire site will not be fenced.
 - b. 1st paragraph, last sentence: Revise the last sentence to "The former truck parking area of the site is not currently fenced."

9. Page 12, Section 3.1:
 - a. 1st paragraph: State what type of waste ECDC in East Carbon Utah is allowed to accept (e.g. out of state facility that can accept non-RCRA wastes).
 - b. 3rd paragraph: Revise the first sentence to, "Confirmation testing of the excavations will not be conducted to determine if contaminant levels are below the established PRGs."
 - c. Add a section describing when groundwater will be treated, how it will be treated, and how the treated water will be reused or disposed.
10. Page 12, Section 3.2, Transportation to Landfill: Revise the first sentence to, "... excavated from the site..."
11. Page 15, Section 5, Implementation Schedule: Add a discussion regarding the preventing surface water from entering into excavations.
12. Page 16, Section 6, Post Construction Activities, Maintenance and Monitoring Plan: Section 6.1 and Section 6.4: Both sections discuss operation and maintenance, and a deed restriction only of the embankment area of the site. Since Caltrans owns the entire site, the entire property must be capped and deed restricted. Revise both sections to reflect that the deed restriction and cap will include the entire property.
13. Figure 3: Show the location of the embankment on the map.
14. Table 2, Footing CR18R: Change the Test No. from B1 to B3.

Typographical and Grammatical Changes:

1. Page i:
 - a. 2nd paragraph, 5th line: Change "footing" to "footings".
 - b. 3rd paragraph, 1st sentence: Revise to "... water table will be covered"
2. Page 1, Section 1.2, 2nd paragraph, 1st line: Add space between "The" and "Site".
3. Page 1, Section 1.4, 2nd paragraph: 1st line - Revise to "...Inc. in May, 1995." 2nd line - Revise to "... discovered on the adjacent"
4. Page 2:
 - a. 2nd paragraph: Add space between "expected" and "to". Delete space between "excavation" and "s".
 - b. 4th paragraph: Change to "... borings B4...B9, and B10 at..."
 - c. 7th paragraph: Change to "... borings B-1... B-4, B-7..." Add to second sentence: "borings B-2, B-5 and B-9..."
 - d. last paragraph: Revise to "... concentrations from 81 ppb to 310 ppb. Benzene

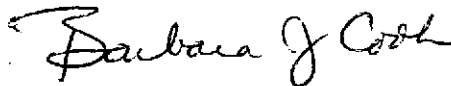
Mr. Ace Forsen
December 4, 1995
Page Four

was ..."

5. Page 3, first paragraph: Revise to "... from 8 to 8100 ppb, while ethylbenzene... at concentrations from ..."
6. Page 10, Section 2.1, 4th paragraph: "The Certified Supervisor... conditions-~~on~~ as noted."
7. Page 12, Section 3.2, 2nd paragraph, last sentence: Revise to "... equipment or wind shall ~~also~~ be controlled."
8. Page 16, Section 6.2, 3rd line: Revise to "... basis the first year and on a semi-annual..."

If you have any questions regarding this letter, please contact Lynn Nakashima at (510) 540-3839.

Sincerely,



Barbara J. Cook, P.E., Chief
Site Mitigation Branch

cc: Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Mr. Joel Howie
Caltrans
Environmental Engineering
P.O. Box 23660
Oakland, California 94623-0660

Mr. Ace Forsen
December 4, 1995
Page Five

Ms. Kathleen Leiga
Caltrans
Cypress Construction Office
1545 Willow Street
Oakland, California 94607

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

EMERGENCY YES NO HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? YES NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.

REPORT DATE: 1_M 1_M 1_D 4_D 9_Y 5_Y CASE #

SIGNED: _____ DATE: _____
SIGNATURE: *Peter Al...*

REPORTED BY: NAME OF INDIVIDUAL FILING REPORT: **Frank Cannizzoro**
REPRESENTING: OWNER/OPERATOR REGIONAL BOARD LOCAL AGENCY OTHER

PHONE: (510) 286-0670
COMPANY OR AGENCY NAME: **Caltrans for: Frank Cannizzoro**

ADDRESS: **1121 7th Street, Oakland, CA 94607**

RESPONSIBLE PARTY: NAME: **Caltrans / Container Freight** UNKNOWN
ADDRESS: **1121 7th Street, Oakland, CA 95607**

CONTACT PERSON: **Frank Cannizzoro** PHONE: **(510) 286-0670**

SITE LOCATION: FACILITY NAME (IF APPLICABLE): **Former Container Freight**
ADDRESS: **1285 5th Street, Oakland, CA 94607**
CROSS STREET: **Poplar**

OPERATOR: **Former Container Freight** PHONE: **(510) 286-0670**
CITY: **Alameda** COUNTY: **Alameda** ZIP: _____

IMPLEMENTING AGENCIES: LOCAL AGENCY: **Alameda Health Care Services**
REGIONAL BOARD: _____

CONTACT PERSON: **Susan Hugo** PHONE: **(510) 267-6780**

SUBSTANCES INVOLVED: (1) **Petroleum Hydrocarbons** QUANTITY LOST (GALLONS): UNKNOWN
(2) _____ UNKNOWN

DISCOVERY/ABATEMENT: DATE DISCOVERED: 1_M 1_M 1_D 9_Y 5_Y
DATE DISCHARGE BEGAN: _____ UNKNOWN
HAS DISCHARGE BEEN STOPPED? YES NO IF YES, DATE: 0_M 8_M 3_D 0_D 9_Y 5_Y

HOW DISCOVERED: INVENTORY CONTROL SUBSURFACE MONITORING NUISANCE CONDITIONS
 TANK TEST TANK REMOVAL OTHER: **Site Assessment**
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY):
 REMOVE CONTENTS CLOSE TANK & REMOVE REPAIR PIPING
 REPAIR TANK CLOSE TANK & FILL IN PLACE CHANGE PROCEDURE
 REPLACE TANK OTHER: _____

SOURCE/CAUSE: SOURCE OF DISCHARGE: TANK LEAK PIPING LEAK UNKNOWN OTHER

CAUSE(S): OVERFILL RUPTURE/FAILURE SPILL
 CORROSION UNKNOWN OTHER: _____

CASE TYPE: CHECK ONE ONLY: UNDETERMINED SOIL ONLY GROUNDWATER DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS: CHECK ONE ONLY:
 NO ACTION TAKEN PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED POLLUTION CHARACTERIZATION
 LEAK BEING CONFIRMED PRELIMINARY SITE ASSESSMENT UNDERWAY POST CLEANUP MONITORING IN PROGRESS
 REMEDIATION PLAN CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) CLEANUP UNDERWAY

REMEDIAL ACTION: CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS):
 CAP SITE (CD) EXCAVATE & TREAT (ET) REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (BT)
 CONTAINMENT BARRIER (CB) NO ACTION REQUIRED (NA) PUMP & TREAT GROUNDWATER (GT) REPLACE SUPPLY (RS)
 VACUUM EXTRACT (VE) OTHER (OT) TREATMENT AT HOOKUP (HU) VENT SOIL (VS)

COMMENTS: _____

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

| | | |
|--|--|---|
| EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. |
| REPORT DATE 1 M 1 D 4 Y 9 Y 5 Y | CASE # | SIGNED: _____ DATE: _____ |

| | | | |
|--|---|---|---------------|
| REPORTED BY | NAME OF INDIVIDUAL FILING REPORT Frank Cannizzoro | PHONE (510) 286-0670 | SIGNATURE |
| | REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER | COMPANY OR AGENCY NAME Caltrans | |
| ADDRESS 1121 7th Street, Oakland, CA 94607 | | | |

| | | | |
|-------------------|--|---|--------------------------------|
| RESPONSIBLE PARTY | NAME Caltrans / Container Freight | CONTACT PERSON Frank Cannizzoro | PHONE (510) 286-0670 |
| | ADDRESS 1121 7th Street, Oakland, CA 95607 | | |

| | | | |
|-------------------------------|--|---|------------------------------|
| SITE LOCATION | FACILITY NAME (IF APPLICABLE) Former Container Freight | OPERATOR Former Container Freight | PHONE 510 286-0670 |
| | ADDRESS Poplar-1285 5th Street, Oakland, CA 94607 | | |
| CROSS STREET Poplar | | CITY Alameda | STATE CA |

| | | | |
|-----------------------|---|-------------------------------------|--------------------------------|
| IMPLEMENTING AGENCIES | LOCAL AGENCY Alameda Health Care Services | CONTACT PERSON Susan Hago | PHONE (510) 267-6780 |
| | REGIONAL BOARD | PHONE () | |

| | | |
|---------------------|-----------------------------------|--|
| SUBSTANCES INVOLVED | (1) Petroleum Hydrocarbons | QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN |
| | (2) | <input type="checkbox"/> UNKNOWN |

| | | |
|---------------------|---|--|
| DISCOVERY/ABATEMENT | DATE DISCOVERED 9 Y 5 Y | HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER Site Assessment |
| | DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN | METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER |
| | HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 01 8 M 3 D 0 D 9 Y 5 Y | |

| | | |
|---------------|--|--|
| SOURCE/ CAUSE | SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER | CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER |
|---------------|--|--|

| | |
|-----------|--|
| CASE TYPE | CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED) |
|-----------|--|

| | |
|----------------|--|
| CURRENT STATUS | CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input checked="" type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY |
|----------------|--|

| | | | | |
|-----------------|--|--|---|--|
| REMEDIAL ACTION | CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) | <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) | <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) | <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) |
| | <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) | | | |

| | |
|----------|-------|
| COMMENTS | _____ |
|----------|-------|

Jonas & Associates Inc.**CONTAINER FREIGHT**

STIP 5507

The following activities need to be performed in order to obtain closure for the Container Freight UST project:

1. Backfill the excavation pit with clean soil.
2. Complete and submit an Unauthorized Leaking Underground Storage Tank Report.
3. Prepare and submit an UST closure report.

4. *Groundwater investigation will be required.*

Please review and let us know if our understanding of your requirements is accurate. As soon as we hear from you, we will submit a copy of this letter to Caltrans.

We look forward to hearing from you. Should you have any questions, please contact us at your convenience.

Sincerely,

JONAS & ASSOCIATES INC.


Romena Jonas
Principal

12/2/95
Talked to Romena Jonas

#5507

na

DATE: 10/2/95
 TO : Local Oversight Program
 FROM: Susan
 SUBJ: Transfer of Eligible Oversight Case

Site name: Former Container freight
 Address: 1285 5th Street city Oakland zip 94607

Closure plan attached? Y N DepRef remaining \$ _____

DepRef Project # _____ STID #(if any) 5307

Number of Tanks: 1 removed? Y N Date of removal 8/30/95

Leak Report filed? Y N Date of Discovery _____

Samples received? Y N Contamination: _____

Petroleum Y N Types: Avgas Jet leaded unleaded Diesel
 fuel oil waste oil kerosene solvents

Monitoring wells on site _____ Monitoring schedule? Y N

Briefly describe the following:
 Preliminary Assessment _____
 Remedial Action _____
 Post Remedial Action Monitoring _____
 Enforcement Action _____

Comments:

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET

printed 08/08/95

SITE INFORMATION

Container Freight
1285 - 5th St
Oakland 94607
Site Contact:
Site Phone : 286-0670

StID: 5507 Site#: 3545
PROJECT#: 3545A
PROJECT TYPE: *** R ***
INSP: Susan Hugo
ACCT. SHEET PG #: _____

PROPERTY OWNER INFORMATION

Owner Contact:
Owner Phone :

PAYOR INFORMATION

Jonas & Assoc.
2815 Mitchell Dr #209
Walnut Creek CA 94598 #611
Payor Contact: Mr Mark Jonas
Payor Phone : 510-933-5360

| Date | Action Taken | Time | | Hours Spent/Depstd | Hour Balnce | Money Spent/Depositd | Money Balance |
|----------|---|------|-----|--------------------|-------------|----------------------|---------------|
| | | In | Out | | | | |
| 08/08/95 | Rcpt# 759245 Deposit of \$603.00 @ \$90/hour | | | +6.69 | +6.69 | \$603.00 | \$603.00 |
| 08/08/95 | Admin. Charge: 1 hour | | | 1.00 | 5.69 | \$513.00 | \$513.00 |
| 8/10/95 | Review closure plans | | | 1.0 | | | |
| 8/16/95 | Review plans/missing info | | | 0.5 | | | |
| 8/16/95 | Talked to Romana Jonas re: missing info | | | 0.4 | | | |
| 8/17/95 | Reviewed submitted info. Approved permit | | | 0.4 | | | |
| 8/30/95 | TANK REMOVAL | | | 1.5 | | | |
| 10/4/95 | Reviewed analytical results/transfer to LOP | | | 1.0 | | | |
| 10/21/95 | Talked to Romana Jonas re: closure report | | | 0.4 | | | |

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : Susan L Hugo
DATE OF COMPLETION : 10/2/95
TOTAL COST OF PROJECT: _____

ATTACH: State Forms A, B & C
 Billing Adjustment*
DATE SENT TO BILLING: _____
REFUND AMOUNT: _____ Rev. 5/95

* Billing adjustment forms needed when site is in our UST program.

9/6/95
 Norma,
 Tank was
 removed on 8/30/95
 Susan



STATE OF CALIFORNIA
 STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

ONE ITEM
 2 INTERIM PERMIT
 3 RENEWAL PERMIT
 4 AMENDED PERMIT
 5 CHANGE OF INFORMATION
 7 PERMANENTLY CLOSED SITE
 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

| | | | |
|---|--|--|--------------------------------|
| DBA OR FACILITY NAME Cypress Freeway/Former: Container Freight | | NAME OF OPERATOR Caltrans/Formerly Container Freight | |
| ADDRESS 1285 5th Street | | NEAREST CROSS STREET Poplar | PARCEL # (OPTIONAL) |
| CITY NAME Oakland | | STATE CA | ZIP CODE 94607 |
| <input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS* <input type="checkbox"/> COUNTY-AGENCY* <input checked="" type="checkbox"/> STATE-AGENCY* <input type="checkbox"/> FEDERAL-AGENCY* | | | |
| * If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST Caltrans Construction Div. | | | |
| TYPE OF BUSINESS <input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input checked="" type="checkbox"/> 5 OTHER | | <input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS | # OF TANKS AT SITE 1 |
| | | E. P. A. I. D. # (optional) Car 000000356 | |

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

| | | | |
|---|---|---|---|
| DAYS: NAME (LAST, FIRST) Pang, Ray/Caltrans | PHONE # WITH AREA CODE (510) 286-5281 | DAYS: NAME (LAST, FIRST) Leiga, Kate/Caltrans | PHONE # WITH AREA CODE (510) 286-5281 |
| NIGHTS: NAME (LAST, FIRST) | PHONE # WITH AREA CODE | NIGHTS: NAME (LAST, FIRST) | PHONE # WITH AREA CODE |

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

| | |
|---|--|
| NAME Caltrans Attn. Ray Pang | CARE OF ADDRESS INFORMATION |
| MAILING OR STREET ADDRESS 1121 7th Street | <input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input checked="" type="checkbox"/> STATE-AGENCY |
| CITY NAME Oakland | <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY |
| STATE CA | ZIP CODE 94607 |
| | PHONE # WITH AREA CODE (510) 286-5281 |

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

| | |
|---|--|
| NAME OF OWNER Caltrans Attn. Ray Pang | CARE OF ADDRESS INFORMATION |
| MAILING OR STREET ADDRESS 1121 7th Street | <input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input checked="" type="checkbox"/> STATE-AGENCY |
| CITY NAME Oakland | <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY |
| STATE CA | ZIP CODE 94607 |
| | PHONE # WITH AREA CODE (510) 286-5281 |

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ **44-032062**

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

box to indicate
 1 SELF-INSURED
 2 GUARANTEE
 3 INSURANCE
 4 SURETY BOND
 5 LETTER OF CREDIT
 6 EXEMPTION
 99 OTHER **State Agency**

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. II. III.

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

| | | |
|--|------------------------------|---------------------------------------|
| OWNER'S NAME (PRINTED & SIGNED) <i>Mustafa Pang</i> | OWNER'S TITLE T.E. | DATE MONTH/DAY/YEAR 8/30/95 |
|--|------------------------------|---------------------------------------|

LOCAL AGENCY USE ONLY

| | | |
|--------------------------------------|--|--|
| COUNTY # <input type="checkbox"/> | JURISDICTION # <input type="checkbox"/> | FACILITY # <input type="checkbox"/> |
| LOCATION CODE - OPTIONAL | CENSUS TRACT # - OPTIONAL | SUPVISOR - DISTRICT CODE - OPTIONAL |

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
 OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

| | | | | |
|---------------------------|---|---|---|---|
| MARK ONLY ONE ITEM | <input type="checkbox"/> 1 NEW PERMIT | <input type="checkbox"/> 3 RENEWAL PERMIT | <input type="checkbox"/> 5 CHANGE OF INFORMATION | <input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE |
| | <input type="checkbox"/> 2 INTERIM PERMIT | <input type="checkbox"/> 4 AMENDED PERMIT | <input type="checkbox"/> 6 TEMPORARY TANK CLOSURE | <input checked="" type="checkbox"/> 8 TANK REMOVED |

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Cypress Freeway/Former Container Freight

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

| | |
|--|---|
| A. OWNER'S TANK I. D. # | B. MANUFACTURED BY: <u>Unknown</u> |
| C. DATE INSTALLED (MO/DAY/YEAR) <u>Unknown</u> | D. TANK CAPACITY IN GALLONS: <u>700</u> |

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

| | | | |
|---|-------------------------------------|------------------------------------|--|
| A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL | <input type="checkbox"/> 4 OIL | <input type="checkbox"/> 1 PRODUCT | <input type="checkbox"/> 1a REGULAR UNLEADED |
| <input type="checkbox"/> 2 PETROLEUM | <input type="checkbox"/> 80 EMPTY | <input type="checkbox"/> 2 WASTE | <input type="checkbox"/> 1b PREMIUM UNLEADED |
| <input type="checkbox"/> 3 CHEMICAL PRODUCT | <input type="checkbox"/> 95 UNKNOWN | | <input type="checkbox"/> 2 LEADED |
| D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED | | C. A. S. #: | |

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

| | | | |
|--|---|---|--|
| A. TYPE OF SYSTEM | <input type="checkbox"/> 1 DOUBLE WALL | <input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER | <input checked="" type="checkbox"/> 95 UNKNOWN |
| | <input checked="" type="checkbox"/> 2 SINGLE WALL | <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK) | <input type="checkbox"/> 99 OTHER |
| B. TANK MATERIAL (Primary Tank) | <input type="checkbox"/> 1 BARE STEEL | <input type="checkbox"/> 2 STAINLESS STEEL | <input type="checkbox"/> 3 FIBERGLASS |
| | <input type="checkbox"/> 5 CONCRETE | <input type="checkbox"/> 6 POLYVINYL CHLORIDE | <input type="checkbox"/> 7 ALUMINUM |
| | <input type="checkbox"/> 9 BRONZE | <input type="checkbox"/> 10 GALVANIZED STEEL | <input checked="" type="checkbox"/> 95 UNKNOWN |
| | | | <input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC |
| | | | <input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP |
| | | | <input type="checkbox"/> 99 OTHER <u>Steel</u> |
| C. INTERIOR LINING | <input type="checkbox"/> 1 RUBBER LINED | <input type="checkbox"/> 2 ALKYD LINING | <input type="checkbox"/> 3 EPOXY LINING |
| | <input type="checkbox"/> 5 GLASS LINING | <input type="checkbox"/> 6 UNLINED | <input type="checkbox"/> 4 PHENOLIC LINING |
| | | | <input checked="" type="checkbox"/> 95 UNKNOWN |
| | | | <input type="checkbox"/> 99 OTHER |
| IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___ | | | |
| D. CORROSION PROTECTION | <input type="checkbox"/> 1 POLYETHYLENE WRAP | <input type="checkbox"/> 2 COATING | <input type="checkbox"/> 3 VINYL WRAP |
| | <input type="checkbox"/> 5 CATHODIC PROTECTION | <input type="checkbox"/> 91 NONE | <input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC |
| | | | <input checked="" type="checkbox"/> 95 UNKNOWN |
| | | | <input type="checkbox"/> 99 OTHER |
| E. SPILL AND OVERFILL | SPILL CONTAINMENT INSTALLED (YEAR) <u>Unknown</u> | | OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) <u>Unknown</u> |

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

| | | | | |
|--------------------------------------|---|---|--|--|
| A. SYSTEM TYPE | A U 1 SUCTION | A U 2 PRESSURE | A U 3 GRAVITY | A U 99 OTHER |
| B. CONSTRUCTION | A U 1 SINGLE WALL | A U 2 DOUBLE WALL | A U 3 LINED TRENCH | A <u>U</u> 95 UNKNOWN A U 99 OTHER |
| C. MATERIAL AND CORROSION PROTECTION | A U 1 BARE STEEL | A U 2 STAINLESS STEEL | A U 3 POLYVINYL CHLORIDE (PVC) | A U 4 FIBERGLASS PIPE |
| | A U 5 ALUMINUM | A U 6 CONCRETE | A U 7 STEEL W/ COATING | A U 8 100% METHANOL COMPATIBLE W/FRP |
| | A U 9 GALVANIZED STEEL | A U 10 CATHODIC PROTECTION | A <u>U</u> 95 UNKNOWN | A U 99 OTHER |
| D. LEAK DETECTION | <input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR | <input type="checkbox"/> 2 LINE TIGHTNESS TESTING | <input type="checkbox"/> 3 INTERSTITIAL MONITORING | <input type="checkbox"/> 99 OTHER <u>Unknown</u> |

V. TANK LEAK DETECTION

| | | | | |
|---|---|--|---|--|
| <input type="checkbox"/> 1 VISUAL CHECK | <input type="checkbox"/> 2 INVENTORY RECONCILIATION | <input type="checkbox"/> 3 VADOZE MONITORING | <input type="checkbox"/> 4 AUTOMATIC TANK GAUGING | <input type="checkbox"/> 5 GROUND WATER MONITORING |
| <input type="checkbox"/> 6 TANK TESTING | <input type="checkbox"/> 7 INTERSTITIAL MONITORING | <input type="checkbox"/> 91 NONE | <input checked="" type="checkbox"/> 95 UNKNOWN | <input type="checkbox"/> 99 OTHER |

VI. TANK CLOSURE INFORMATION

| | | |
|--|--|---|
| 1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>1980's</u> | 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>200</u> GALLONS | 3. WAS TANK FILLED WITH INERT MATERIAL? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
|--|--|---|

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

| | |
|--|---------------------|
| APPLICANT'S NAME (PRINTED & SIGNATURE) <u>Caltrans</u> | DATE <u>8/30/95</u> |
|--|---------------------|

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

| | | | | |
|---------------|-------------------------|----------------|------------------------|--------|
| STATE I.D.# | COUNTY # | JURISDICTION # | FACILITY # | TANK # |
| | | | | |
| PERMIT NUMBER | PERMIT APPROVED BY/DATE | | PERMIT EXPIRATION DATE | |

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

ALAMEDA COUNTY, DEPARTMENT OF
 ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

II, III

white -env.health
 yellow -facility
 pink -files

FORMER

Site ID # _____ Site Name Container Freight Today's Date 8/30/95

Site Address 1285 54th Street
 City Oakland Zip 94607 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials #9520 8681
- III. Underground Tanks CAL TRANS-owned Manifest

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N)
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- General**
- 1. Permit Application 25284 (H&S)
- 2. Pipeline Leak Detection 25292 (H&S)
- 3. Records Maintenance 2712
- 4. Release Report 2651
- 5. Closure Plans 2670
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose Semi-annual groundwater One time sols
 - 3) Daily Vadose One time sols Annual tank test
 - 4) Monthly Gndwater One time sols
 - 5) Daily Inventory Annual tank testing Cont pipe leak det Vadose/gndwater mon.
 - 6) Daily Inventory Annual tank testing Cont pipe leak det
 - 7) Weekly Tank Gauge Annual tank listing
 - 8) Annual Tank Testing Daily Inventory
 - 9) Other _____
- 7. Precs Tank Test Date: _____ 2643
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647
- New Tanks**
- 11. Monitor Plan 2632
- 12. Access. Secure 2634
- 13. Plans Submit 2711 Date: _____
- 14. As Built 2635 Date: _____

Comments: HEH = tank transporter
1 - UST removal diesel tank
700 (600) gal (diesel), tank full of water
- O₂ = 1% LEL = 2.8%
Oakland fire dept not available
per Romena Jones requested ACDEH to
oversee removal for them.
Tank covered w/ tar wrapping; no
obvious holes; groundwater present in the
headwater; slight sheen present
2 soil samples collected; one from each
end of the tank at soil/water interface;
one ground water sample collected.
Stockpiled soil must be characterized
for disposal.

Contact: Romena Jones
 Title: Principal
 Signature: Romena Jones

Inspector: _____
 Signature: Simon J. Hugel

II, III

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

| | | | | | |
|---|--|--|---|---|---|
| EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO | | FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. | |
| REPORT DATE 1 M 1 d 9 y | | CASE # | | | |
| REPORTED BY | NAME OF INDIVIDUAL FILING REPORT Frank Cominero | | PHONE (510) 286-0670 | | SIGNATURE |
| | REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER | | COMPANY OR AGENCY NAME Caltrans | | |
| | ADDRESS 1121 7th Street, Oakland, CA 94607 | | | | |
| RESPONSIBLE PARTY | NAME Caltrans / Container Freight <input type="checkbox"/> UNKNOWN | | CONTACT PERSON Frank Cominero | | PHONE (510) 286-0670 |
| | ADDRESS 1121 7th Street, Oakland, CA 94607 | | | | |
| SITE LOCATION | FACILITY NAME (IF APPLICABLE) Former Container Freight | | OPERATOR Former Container Freight | | PHONE (510) 286-0670 |
| | ADDRESS Poplar-1285 5th Street, Oakland, CA 94607 | | | | |
| | CROSS STREET Poplar | | CITY Alameda | | |
| IMPLEMENTING AGENCIES | LOCAL AGENCY Alameda Health Care Services | | AGENCY NAME Alameda Health Care Services | | CONTACT PERSON Susan Hugo |
| | REGIONAL BOARD | | PHONE (510) 267-6780 | | PHONE () |
| SUBSTANCES INVOLVED | (1) Petroleum Hydrocarbons | | NAME | | QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN |
| | (2) | | NAME | | QUANTITY LOST (GALLONS) <input type="checkbox"/> UNKNOWN |
| DISCOVERY/ABATEMENT | DATE DISCOVERED 1 M 1 d 9 y | | HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER <u>Site Assessment</u> | | |
| | DATE DISCHARGE BEGAN <input type="checkbox"/> UNKNOWN | | METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER | | |
| | HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 1 M 1 d 9 y | | CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER | | |
| SOURCE/ CAUSE | SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER | | CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER | | |
| | CASE TYPE CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED) | | | | |
| CURRENT STATUS | CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input checked="" type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY | | | | |
| | REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) | | | | |
| COMMENTS | (Empty space for comments) | | | | |

INTRODUCTION

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the Area Office of Emergency Services (OES) at 2800 Memorial Road, Sacramento, CA 95833. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.



Indicate whether the object was reported at site, but has not been confirmed. Explain the Assessment Method(s) utilized - worker/proprietor reported or submitted by responsible party to determine whether Ground Water has been, or will be, impacted as a result of the release. Indicate the Assessment Method(s) - implementation of sorption, Volatilization Characterization (removal) entry in the process of fully defining the extent of contamination to soil and ground water and assessing impacts on surface water and ground water.



Comments - Use this space to elaborate in any aspects of the incident.

REMARKS - sign the form in the space provided.

REFERENCES

If this form is completed by the lead agency at site, retain the last copy and forward the remaining copies (three to your local tank permitting agency for distribution).

1. District - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Ground Water Program, Inspection and Storage Tank Division, P.O. Box 944712, Sacramento, CA 95894-4712
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or State Personnel or Safety Commission if notification
5. Other responsible party

Indicate the Agency which has detected the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water" then "Current Release" should refer to the status of the ground water. Investigation of status, as opposed to that of site, Designation of options shall be:

Resolving Tank - No action has been taken by responsible party (should indicate name of tank)

Indicate the Agency which has detected the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water" then "Current Release" should refer to the status of the ground water. Investigation of status, as opposed to that of site, Designation of options shall be:

Resolving Tank - No action has been taken by responsible party (should indicate name of tank)

STID 5501

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

1131 HARBOR BAY PARKWAY
R-250

ALAMEDA, CA 94502

Project Specialist (print) SUSAN L. HUGO

ACCEPTED

Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
80 Swan Way, Suite 200,
Oakland, CA 94621
Telephone: (510) 271-4320

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.

One copy of the accepted plans must be on the job and available to all contractors and certification involved with the removal.

Any changes or alterations to the plans or specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections: *

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

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

*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS

Contact Specialist:

Please make a note of change made on page 1, 196. Forms A & B to be submitted at the site.

*Susan L. Hugo
8/17/95*

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name Container Freight *(no files w/active)*
Business Owner Container Freight *(found stoppage Blotz)*
 2. Site Address 1285 5th Street
City Oakland, CA Zip 94607 Phone _____
 3. Mailing Address _____
City _____ Zip _____ Phone (510) 286-0670
 4. Land Owner Caltrans Attention: Ray Pang
Address 1121 7th Street, Oakland City, State CA Zip 94607
 5. Generator name under which tank will be manifested Caltrans
- EPA I.D. No. under which tank will be manifested CAD000000356

rev 12/90

* A fire extinguisher must be available at the site at all times

6. Contractor Performance Excavators Inc.
Address 3060 Kerner Blvd., Suite A
City San Rafael, CA 94901 Phone (415) 257-4640
License Type A-Haz ID# 667433

7. Consultant Jonas & Associates Inc.
Address 2815 Mitchell Drive, Suite 209
City Walnut Creek, CA 94598 Phone (510) 933-5360

8. Contact Person for Investigation
Name Mark Warner Title Project Manager
Phone (415) 257-4640

9. Number of tanks being closed under this plan 1
Length of piping being removed under this plan Unknown
Total number of tanks at facility _____

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

** Underground tanks are hazardous waste and must be handled **
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name H&H Environmental EPA I.D. No. CAD004771168
Hauler License No. 0334 License Exp. Date 1/31/96
Address Terry A. Francois Blvd.
City San Francisco State CA Zip 94107-2106

b) Product/Residual Sludge/Rinsate Disposal Site

Name PRC EPA I.D. No. CAD083166728
Address 13331 N. Highway 33
City Patterson State CA Zip 95363

c) Tank and Piping Transporter

Name H&H Environmental EPA I.D. No. CAD000471168
Hauler License No. 0334 License Exp. Date 1/31/96
Address Terry A. Francois Blvd.
City San Francisco State CA Zip 95363

d) Tank and Piping Disposal Site

Name H&H Environmental EPA I.D. No. CAD00471168
Address Terry A. Francois Blvd.
City San Francisco State CA Zip 95363

11. Experienced Sample Collector

Name Mark Jonas, Ellis Ishaya
Company Jonas & Associates Inc.
Address 2815 Mitchell Drive, Suite 209
City Walnut Creek State CA Zip 94598 Phone (510) 933-5360

12. Laboratory

Name ChromaLab, Inc.
Address 1220 Quarry Lane
City Pleasanton State CA Zip 94566-4756
State Certification No. 1094

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

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

Inert each tank with 1.5 pounds of solid carbon dioxide (dry ice) for each 100 gallons of tank volume.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

| Tank | | Material to be sampled (tank contents, soil, ground-water, etc.) | Location and Depth of Samples |
|----------|--------------------------------|--|---|
| Capacity | Use History (see instructions) | | |
| 2000 | diesel | soil <i>Groundwater must be sampled if present.</i> | beneath the tank at a maximum of two feet below the native soil/backfill interface. <i>One soil sample must be collected from each end of the tank no deeper than 2ft at native soil</i> |

** soil sample must be collected underneath the dispenser.*

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

| Excavated/Stockpiled Soil | |
|------------------------------------|--|
| Stockpiled Soil Volume (Estimated) | Sampling Plan <i>Stockpiled soil must be characterized and disposed properly.</i> |

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

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

| Contaminant Sought | EPA, DHS, or Other Sample Preparation Method Number | EPA, DHS, or Other Analysis Method Number | Method Detection Limit |
|--|---|---|---|
| TPH - Diesel BTEX <i>TPH-gas</i> | GCFID 3550 5030 <i>GCFID 3550</i> | 8015 8020 <i>8015</i> | 1.0 ppm 5.0 ppb <i>1.0 ppm soil</i> |

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer Republic Indemnity

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

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

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

I declare that to the best of my knowledge and belief 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 an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

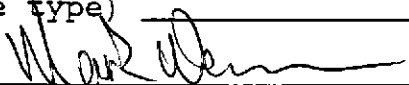
I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

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

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

Signature of Contractor

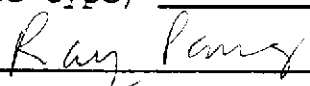
Name (please type) MARK WARNER

Signature 

Date 8-1-95

Signature of Site Owner or Operator

Name (please type) CalTrans - Ray Pang

Signature 

Date 8-1-95

Estimated boundary
of area with highest
contamination

HEALTH AND SAFETY PLAN

ADDENDUM A

UNDERGROUND STORAGE TANK REMOVAL

CONTRACT NUMBER: 04-192204

CYPRESS FREEWAY RE-ALIGNMENT, CONTRACT A
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
OAKLAND, CALIFORNIA

Support Zone

PERFORMANCE EXCAVATORS, INC.

3060 KEFNER BOULEVARD, SUITE A
SAN RAFAEL, CALIFORNIA 94901

(415) 457-8506

Access Control

Contamination Reduction Zone

Contamination Reduction Zone (CRZ)

Excavation Zone



Table of Contents

| | |
|--|----|
| 1.0 INTRODUCTION | 1 |
| 1.1 DESCRIPTION OF SITE..... | 1 |
| 1.1.1 Container Freight Property..... | 2 |
| 1.1.2 J&A Truck Repair Property..... | 2 |
| 1.2 SITE CONDITIONS..... | 2 |
| 1.2.1 Container Freight..... | 2 |
| 1.2.2 J&A Truck Repair..... | 2 |
| 1.3 RISK ASSESSMENT..... | 2 |
| 1.4 PATHWAYS FOR HAZARDOUS SUBSTANCE DISPERSION..... | 3 |
| 1.5 HEALTH AND SAFETY PLAN AVAILABILITY..... | 3 |
| 2.0 ORGANIZATIONAL STRUCTURE..... | 3 |
| 2.1 CERTIFIED SUPERVISOR..... | 4 |
| 2.2 SITE SAFETY OFFICER..... | 4 |
| 2.3 QUALIFIED PERSON..... | 4 |
| 2.4 MISCELLANEOUS PERSONNEL..... | 4 |
| 2.5 EMPLOYEE SAFETY RESPONSIBILITY..... | 4 |
| 2.6 LOGS, REPORTS, AND RECORDKEEPING..... | 4 |
| 3.0 WORK ACTIVITIES..... | 5 |
| 4.0 PERSONNEL TRAINING REQUIREMENTS..... | 5 |
| 4.1 HAZARDOUS WASTE SITE TRAINING..... | 5 |
| 4.1.1 Hazardous Waste Site Training Elements..... | 6 |
| 4.2 QUALIFICATIONS FOR TRAINERS..... | 7 |
| 4.3 TRAINING CERTIFICATION..... | 7 |
| 4.4 REFRESHER TRAINING..... | 7 |
| 5.0 MEDICAL SURVEILLANCE PROGRAM..... | 7 |
| 5.1 FREQUENCY OF MEDICAL EXAMINATIONS AND CONSULTATIONS..... | 8 |
| 5.2 CONTENT OF MEDICAL EXAMINATIONS OR CONSULTATIONS..... | 8 |
| 5.3 EXAMINATION BY A PHYSICIAN AND COSTS..... | 9 |
| 5.4 INFORMATION PROVIDED TO THE PHYSICIAN..... | 9 |
| 5.5 PHYSICIAN'S WRITTEN OPINION..... | 9 |
| 5.6 MEDICAL SURVEILLANCE RECORDKEEPING..... | 10 |
| 6.0 SITE SAFETY MEETINGS..... | 10 |
| 6.1 DOCUMENTATION OF SITE SAFETY MEETINGS..... | 10 |
| 7.0 SITE CHARACTERIZATION AND HAZARD EVALUATION..... | 10 |
| 7.1 PRELIMINARY EVALUATION AND HAZARD IDENTIFICATION..... | 11 |
| 7.2 CHEMICAL HAZARDS..... | 11 |
| 7.3 PHYSICAL HAZARDS..... | 12 |

| | | |
|-------------|--|-----------|
| 7.3.1 | Fire and Explosion Hazards..... | 12 |
| 7.3.2 | Tripping, Slipping, and Falling Hazards..... | 12 |
| 7.3.3 | Head, Eye, and Back Injuries..... | 12 |
| 7.3.4 | Falling Objects..... | 13 |
| 7.3.5 | Heavy Equipment and Traffic..... | 13 |
| 7.3.6 | Electrical Hazards..... | 13 |
| 7.3.7 | Noise..... | 14 |
| 7.4 | SITE TOPOGRAPHY AND ACCESSIBILITY BY AIR AND ROADS..... | 14 |
| 8.0 | SITE CONTROL PROGRAM..... | 14 |
| 8.1 | SITE WORK ZONES..... | 14 |
| 8.1.1 | Exclusion Zone..... | 15 |
| 8.1.2 | Contamination Reduction Zone..... | 15 |
| 8.1.3 | Support Zone..... | 15 |
| 8.2 | ACCESS CONTROLS DURING REMOVAL OPERATIONS..... | 15 |
| 8.3 | BUDDY SYSTEM..... | 16 |
| 9.0 | PERSONAL PROTECTIVE EQUIPMENT..... | 16 |
| 9.1 | PPE SELECTION AND ACTION LEVELS..... | 16 |
| 9.2 | PPE LIMITATIONS..... | 17 |
| 9.3 | PPE WORK MISSION DURATION..... | 18 |
| 9.4 | PPE MAINTENANCE AND STORAGE..... | 18 |
| 9.5 | PPE TRAINING AND PROPER FITTING..... | 18 |
| 9.6 | PPE DOWNING AND DOFFING PROCEDURES..... | 18 |
| 9.7 | PPE INSPECTION PROCEDURES..... | 18 |
| 9.8 | EVALUATION OF THE EFFECTIVENESS OF THE PPE PROGRAM..... | 18 |
| 10.0 | RESPIRATORY PROTECTION PROGRAM..... | 19 |
| 10.1 | RESPIRATOR CARTRIDGES..... | 19 |
| 10.2 | CARTRIDGE CHANGES..... | 19 |
| 10.3 | RESPIRATOR INSPECTION, CLEANING AND STORAGE..... | 19 |
| 10.4 | RESPIRATOR USE WITH FACIAL HAIR..... | 19 |
| 10.5 | RESPIRATOR USE WITH CORRECTIVE LENSES..... | 19 |
| 10.6 | RESPIRATOR USE WITH CONTACT LENSES..... | 20 |
| 10.7 | MEDICAL CERTIFICATION FOR RESPIRATOR USE..... | 20 |
| 10.8 | RESPIRATOR LIMITATIONS..... | 20 |
| 11.0 | MONITORING..... | 20 |
| 11.1 | EMPLOYEE AIR MONITORING..... | 20 |
| 11.2 | TYPES OF MONITORING EQUIPMENT, LOCATIONS, AND FREQUENCIES..... | 21 |
| 11.3 | TRAINING REQUIREMENTS OF MONITORING PERSONNEL..... | 21 |
| 11.4 | DOCUMENTATION OF MONITORING..... | 21 |
| 12.0 | INFORMATIONAL PROGRAMS..... | 21 |
| 13.0 | MATERIAL HANDLING..... | 22 |

| | |
|---|-----------|
| 13.1 DRUMS AND CONTAINERS | 22 |
| 13.2 SHIPPING AND TRANSPORT OF DRUMS AND CONTAINERS..... | 22 |
| 14.0 DECONTAMINATION PROCEDURES..... | 23 |
| 14.1 PERSONNEL DECONTAMINATION PROCEDURES..... | 23 |
| 14.2 EQUIPMENT DECONTAMINATION PROCEDURES | 24 |
| 14.3 LOCATION AND LAYOUT OF DECONTAMINATION FACILITIES..... | 24 |
| 14.4 EMPLOYEE WASH FACILITIES | 25 |
| 14.5 STORAGE AND DISPOSAL OF DECONTAMINATION WATER..... | 25 |
| 15.0 EMERGENCY RESPONSE PLAN..... | 25 |
| 15.1 EMERGENCY PROCEDURES..... | 25 |
| 15.2 SITE COMMUNICATIONS AND ALERTING MEANS FOR EMERGENCIES..... | 25 |
| 15.3 PLACES OF REFUGE | 26 |
| 15.4 IDENTIFICATION OF NEAREST MEDICAL ASSISTANCE | 26 |
| 15.5 STATUS AND CAPABILITIES OF EMERGENCY RESPONSE PROVIDERS..... | 26 |
| 15.6 PRE-EMERGENCY PLANNING..... | 26 |
| 15.7 PERSONNEL ROLES, LINES OF AUTHORITY, AND COMMUNICATION | 26 |
| 15.8 EMERGENCY RECOGNITION AND PREVENTION..... | 27 |
| 15.9 SITE SECURITY AND CONTROL..... | 27 |
| 15.10 DECONTAMINATION OF INJURED WORKERS..... | 27 |
| 15.11 ACCIDENT REPORTING AND FOLLOW-UP..... | 27 |
| 16.0 SPILL CONTAINMENT | 27 |
| 17.0 SANITATION AT TEMPORARY WORKPLACES..... | 28 |
| 17.1 POTABLE WATER..... | 28 |
| 17.2 NON POTABLE WATER..... | 28 |
| 17.3 TOILET FACILITIES..... | 28 |
| 18.0 SITE ILLUMINATION..... | 29 |
| 19.0 CONFINED SPACE ENTRY | 29 |
| 19.1 DEFINITIONS OF CONFINED SPACES..... | 29 |
| 19.2 PERMIT-REQUIRED CONFINED SPACES | 30 |
| 19.2.1 <i>Permit System</i> | 30 |
| 19.4 ENTRY SUPERVISOR..... | 30 |
| 19.5 RESCUE SERVICES..... | 30 |
| 19.6 LOCKOUT/TAGOUT PROCEDURES | 30 |
| 19.7 ATMOSPHERIC TESTING OF CONFINED SPACES | 31 |
| 19.7.1 <i>List of Equipment</i> | 31 |
| 19.7.2 <i>Testing for Explosive Atmosphere</i> | 31 |
| 19.7.3 <i>LEL Monitor Preparation</i> | 31 |
| 19.7.4 <i>LEL Monitor Operation</i> | 31 |
| 19.7.5 <i>Testing for Oxygen Deficiency</i> | 32 |
| 19.7.6 <i>Testing for Toxic Airborne Contaminants</i> | 32 |

19.8 VENTILATION32
19.9 EXTRACTION AND RESCUE EQUIPMENT32
20.0 HOT WORK PERMITS33
21.0 SITE EXCAVATIONS33
22.0 SAFETY INSPECTIONS33

Figures

Figure 1 - Personnel Decontamination Layout24
Figure 2 - Equipment Decontamination Layout24

Tables

Table 1 - Airborne Dust Concentrations at Which PEL Could Be Exceeded3
Table 2 - Summary of Chemical Contaminants.....11
Table 3 - Initial Level C PPE Requirements.....16
Table 4 - Level D PPE Requirements.....17
Table 5 - Employee Monitoring Requirements.....21
Table 6 - Perimeter Monitoring Requirements.....21
Table 7 - Minimum Illumination Intensities in Foot-Candles29

1.0 Introduction

This Tank Removal Plan was developed for Performance Excavators, Inc. by Rothwell Consulting Group (RCG). This plan pertains to site remediation operations performed for the prime contractor, MCM Construction, Inc., by Performance Excavators in contaminated areas of the Cypress Freeway Re-alignment Project, Section B, located in the City of Oakland, County of Alameda.

This Plan establishes the policies and procedures that protect the workers and the general public from potential health and safety hazards posed at this site. All contaminated soil removal activities will be conducted in a manner that minimizes the probability of injury, illness, property damage, or damage to the environment and will be performed in accordance with Performance Excavators' Injury and Illness Prevention Program. This Plan is prepared in accordance with and in reference to the following regulations and guidelines:

- United States Department of Labor, OSHA standards, specifically:
 - Title 29 CFR Part 1910.120 - Hazardous Waste Site Operations and Emergency.
 - Title 29 CFR Part 1926 - Health and Safety Regulations for Construction
- California Occupational Health and Safety Regulations, specifically:
 - Title 8 CCR §5192 - Hazardous Waste Site Operations and Emergency Response
 - Title 8 CCR §5094 - Hazard Communication
 - Title 8 CCR §5095-5100 - Hearing Conservation
 - Title 8 CCR Chapter 4, Subchapter 4 - Construction Safety Orders
 - Title 8 CCR §3203 - Injury and Illness Prevention Program
- United States Environmental Protection Agency's Standard Operating Safety Guides, July 1988.
- NIOSH/OSHA/USCG/EPA Occupational Health and Safety Guidance Manual for Hazardous Waste Activities, October 1985.
- Performance Excavators' Injury and Illness Prevention Program

Since site conditions are subject to change and unforeseen conditions may arise, amendments or additions may need to be made to this Plan during the course of work. Modifications to this plan can only be made by the Contractor with the assistance of Performance Excavators' Certified Industrial Hygienist.

1.1 Description of Site

Container Freight and J&A Trucking comprise two of the four contaminated areas requiring remediation. Both are located within close proximity to each other on Union Street, 5th Street, and Kirkham Street, respectively, in Oakland, California.

1.1.1 Container Freight Property

There is an abandoned 2000 gallon underground diesel tank on the property located at door No. 12 in front of the building. The tank has dimensions 4 feet in diameter by 9 feet long. The bottom of the tank is 8 feet below ground surface. The site could be contaminated from potential leaks or spills from tank use.

1.1.2 J&A Truck Repair Property

There is a 2000 gallon underground storage tank with dimensions 4 feet in diameter by 9 feet long. The bottom of the tank is 8 feet below ground surface. The site could be contaminated from potential leaks or spills from tank use.

1.2 Site Conditions

1.2.1 Container Freight

Soil

Concentrations of TPH-D were not detected in soil borings at the site; thus, the RWQCB would not classify materials as a hazardous waste (greater than 1,000 mg/kg). However, benzene was found in the area of contamination at 360 ppm. High concentrations of petroleum hydrocarbons could be found during tank removal activities.

Groundwater

TPH-D was not detected above laboratory limits in groundwater at Container Freight sampling location CTF/H-1.

1.2.2 J&A Truck Repair

Soil

An elevated concentration of lead was detected in the soil sample JA/A-1 at 1 foot. The measured lead value was in excess of ten times the STLC of 5.0 mg/L. Upon re-submittal for testing by the WET method, sample JA/A-1 at 1 foot was found to contain lead less than the STLC. No metals were found in excess of the TTLC. Petroleum hydrocarbons were also found at the site. High concentrations of petroleum hydrocarbons could be found during tank removal activities.

1.3 Risk Assessment

Contaminants found during the site investigation pose a potential health threat to employees working on the site during remedial activities. Theoretical airborne

concentrations of total dust required to generate levels of aerosols exceeding their respective permissible exposure limits (and action levels) are shown below in Table 1.

Table 1 - Airborne Dust Concentrations at Which Permissible Exposure Limits Could Be Exceeded

| Contaminant | Maximum Concentration Found in the Soil | PEL-TWA (Action Level) [Ceiling Limit] | Total Dust Concentration Above Which PEL Would Be Exceeded |
|-------------|---|--|--|
| Diesel | 20,700 mg/kg | None established | N/A |

Based on the type of operations, hazardous levels of airborne petroleum hydrocarbon vapors are possible during the course of work. However, theoretical airborne concentrations of petroleum hydrocarbons are difficult to calculate due to variables such as temperature, humidity, wind speed and direction, and employees' proximity to the contamination. Because of these variables, air monitoring will be performed in areas where petroleum contamination have been identified or is suspected. Proper personal protective equipment shall be worn during tank removal operations.

1.4 Pathways for Hazardous Substance Dispersion

Hazardous substances may have been and could possibly be dispersed from the source by air or groundwater. Further dispersion by air shall be controlled using dust control measures, work zones, and perimeter fencing.

1.5 Health and Safety Plan Availability

This written Health and Safety Plan shall be made available to any contractor or subcontractor or their representative who will be involved with the hazardous waste operation; to employees; to employee designated representatives; to Division representatives, and to personnel of other federal, state, or local agencies with regulatory authority over the site.

2.0 Organizational Structure

The organizational structure part of this Health and Safety Plan establishes the specific chain of command and specifies the overall responsibilities of supervisors and employees. The organizational structure shall be reviewed and updated as necessary to reflect the current status of site operations. The following are the key supervisory personnel:

2.1 Certified Supervisor

Mark Warner is named as the general supervisor (or certified supervisor for hazardous substance removal work). He has the responsibility and authority to direct all operations involving hazardous waste and materials.

2.2 Site Safety Officer

Greg Rainey is named as the Site Safety Officer. He has the responsibility and authority to develop and implement the site health and safety plan and verify compliance.

2.3 Qualified Person

Cliff Busekist is named as the Qualified Person. He has the responsibility and authority to implement the site health and safety plan and verify compliance. He is also responsible for operations defined as hazardous substance removal work. He is responsible for scheduling and overseeing any air sampling, calibration of sampling equipment, and for evaluation of soil or other contaminated materials sampling results.

2.4 Miscellaneous Personnel

All other personnel needed for hazardous waste site operations and emergency response and their general functions and responsibilities shall be determined and named on an as-needed basis. These personnel shall be briefed on the special hazards of the site and shall sign the signature page of this plan.

2.5 Employee Safety Responsibility

Although the employer is responsible for providing a safe and healthful workplace, each employee is responsible for his/her own safety, as well as the safety of those around him/her. The employee shall use all equipment in a safe and responsible manner, and as directed by supervisory personnel.

2.6 Logs, Reports, and Recordkeeping

Recordkeeping is a crucial component of any effective health and safety program. Site safety records shall therefore be updated daily. The following logs, reports, and records shall be maintained on site:

- Site safety meetings
- Employee training records - site specific and visitors
- Daily safety inspection logs

- Weekly safety reports
- Health and safety plan signature page
- Employee and visitor sign-in sheets
- Ambient and personal air monitoring results
- OSHA 200 log

3.0 Work Activities

The work will involve the following:

- Preparing the site for tank removal operations including placement of fencing, signs, and work zones;
- Securing the necessary permits and notifying the required regulatory agencies;
- Pumping the underground storage tanks of any remaining liquids;
- Testing the interior of the tanks for explosive potential and inerting with dry ice, if necessary;
- Excavating of soils from around and above the tanks;
- Field screening of excavated soils using a PID;
- Hauling and placement of the excavated soils at the staging area;
- Sampling and laboratory analysis of the staged soils to classify for re-use or disposal; and
- Performing confirmation sampling of the excavation.

4.0 Personnel Training Requirements

All employees working on site during the removal of underground storage tanks and the associated contaminated soils who may be exposed to hazardous substances, health hazards, or safety hazards, and their supervisors and management responsible for the site shall receive training meeting the requirements of this section before they are permitted to engage in hazardous waste operations that could expose them to hazardous substances, safety, or health hazards. They shall also receive annual refresher training as specified in this section. Employees shall not be permitted to participate in or supervise field activities until they have been trained to a level required by their job function and responsibility.

4.1 Hazardous Waste Site Training

For all hazardous waste operations taking place in exclusion zones during hazardous substance removal, personnel working at or visiting the site shall have received the following training in accordance with Title 8 CCR 5192.

General site workers (such as equipment operators, general laborers, and supervisory personnel) engaged in hazardous substance removal or other activities which expose or potentially expose workers to hazardous substances and health hazards shall receive a minimum of 40 hours of instruction off the site, and a

minimum of three days actual field experience under the direct supervision of a trained and experienced supervisor.

Workers on site only occasionally for a specific limited task (such as, but not limited to, groundwater monitoring, land surveying, or geophysical surveying) and who are unlikely to be exposed over Permissible Exposure Limits and published exposure levels shall receive a minimum of 24 hours of instruction off the site, and the minimum of one day actual field experience under the direct supervision of a trained, experienced supervisor.

On-site management and supervisors directly responsible for, or who supervise employees engaged in, hazardous waste operations shall receive 40 hours initial training, and three days of supervised field experience and at least eight additional hours of specialized hazardous waste operations management training at the time of job assignment on such topics as, but not limited to, the employer's health and safety program and the associated employee training program, personal protective equipment program, spill containment program, and health hazard monitoring procedure and techniques.

4.1.1 Hazardous Waste Site Training Elements

The hazardous waste site training shall thoroughly cover the following:

- Names of personnel and alternates responsible for site health and safety
- Engineering controls and work practices by which the employee can minimize risks for hazards
- Medical surveillance requirements, including recognition of symptoms and signs which might indicate overexposure to hazards
- The biological, chemical, radiological and physical hazards present on the site and their respective properties
- The potential routes of exposure to chemicals, the possible toxic effects, the IDLH and Permissible Exposure Limit values of chemical hazards, and the level of personal exposure which can be anticipated, acute and chronic effects of toxic chemicals
- Heat and/or cold stress prevention, treatment, and monitoring
- Personal cleanliness and restrictions on eating, drinking, and smoking on the job
- The availability of on-site potable water and toilet facilities
- Applicable provisions of the OSHA standards and the Injury and Illness Prevention Program
- Permit-required confined space entry procedures
- Spill containment program
- The functions, capabilities, limitations, use, and maintenance of monitoring equipment
- The use, care, and disposal of the specific PPE selected for this work. The PPE shall be available for hands-on familiarity and practice donning, as needed.

- Handling of medical emergencies including the locations of telephones and numbers for ambulance service, and hospital locations.
- The decontamination procedures
- The emergency contingency procedures
- The fire and accident response procedures
- Basic operational safety, emphasizing the hazards expected on the site
- Employee rights and responsibilities under OSHA
- Site-specific, task-specific activity hazard analysis.

4.2 Qualifications for Trainers

Trainers shall be qualified to instruct employees about the subject matter that is being presented in training. Such trainers shall have satisfactorily completed a training program for teaching the subjects they are expected to teach, or they shall have the academic credentials and instructional experience necessary for teaching the subjects. Instructors shall demonstrate competent instructional skills and knowledge of the applicable subject matter.

4.3 Training Certification

Employees and supervisors that have received and successfully completed the training and field experience shall be certified by their instructor or the head instructor and trained supervisor as having successfully completed the necessary training. A written certificate shall be given to each person so certified. Any person who has not been so certified or who does not meet these training requirements shall be prohibited from engaging in operations where exposures to hazardous substances are possible.

4.4 Refresher Training

Employees, managers and supervisors specified in section 4.1 shall receive eight hours of refresher training annually on the items specified in subsection 4.1.1, any critique of incidents that have occurred in the past year that can serve as training examples of related work, and other relevant topics.

5.0 Medical Surveillance Program

The medical surveillance program shall be instituted for the following employees:

- Any employee who is or may be exposed to hazardous substances or health hazards at or above the Permissible Exposure Limits or, if there is no Permissible Exposure Limit above the published exposure levels for these substances, without regard to the use of respirators, for 30 days or more a year.
- Any employee who wears a respirator during any part of a day for a period of 30 days or more in a year, or as required by 8 CCR 5144.

- Employees exhibiting symptoms due to possible overexposure involving hazardous substances or health hazards from an emergency response or hazardous waste operation.

5.1 Frequency of Medical Examinations and Consultations

Medical examinations and consultations shall also be made available by the employer to each employee covered under Section 5.0 on the following schedules:

- Prior to assignment.
- At least once every twelve months for each employee covered, unless the attending physician believes a longer interval (not greater than biennially) is appropriate.
- At termination of employment or reassignment to an area where the employee would not be covered if the employee has not had an examination within the last six months.
- As soon as possible, upon notification by an employee either that the employee has developed signs or symptoms indicating possible overexposure to hazardous substances or health hazards or that the employee has been injured or exposed above the Permissible Exposure Limits or published exposure levels in an emergency situation.
- At more frequent times, if the examining physician determines that an increased frequency of examination is medically necessary.

For employees who may have been injured, received a health impairment, developed signs or symptoms which may have resulted from exposure to hazardous substances resulting from an emergency incident, or who have been exposed during an emergency incident to hazardous substances at concentrations above the Permissible Exposure Limits or the published exposure levels without the necessary personal protective equipment being used shall undergo a medical examination:

- As soon as possible following the emergency incident or development of signs or symptoms;
- At additional times, if the examining physician determines that follow-up examinations or consultations are medically necessary.

5.2 Content of Medical Examinations or Consultations

The content of initial medical examinations shall contain, at a minimum, the following:

1. Complete medical and occupational history;
2. General physical examination including an evaluation of all major organ systems;
3. Pulmonary function testing including FVC and FEV₁;

4. Urinalysis for heavy metals;
5. Serum lead; and
6. Serum ZPP.

5.3 Examination by a Physician and Costs

All medical examinations and procedures shall be performed by or under the supervision of a licensed physician certified in occupational medicine by the American Board of Preventative Medicine, and shall be provided without cost to the employee, without loss of pay, and at a reasonable time and place.

5.4 Information Provided to the Physician

The employer shall provide one copy of this standard and its appendices to the attending physician, and in addition, the following for each employee:

- A description of each employee's duties as they relate to the employee's exposures.
- Each employee's exposure levels or anticipated exposure levels.
- A description of any PPE used or to be used by each employee.
- Information from previous medical examinations of each employee which is not readily available to the examining physician.
- Information required by 8 CCR 5144 for each employee.

5.5 Physician's Written Opinion

The written opinion obtained by the employer shall not reveal specific findings or diagnoses unrelated to occupational exposures. The physician shall provide the results of the medical examination and tests to the employee if requested. The employer shall obtain and furnish the employee with a copy of a written opinion from the examining physician containing the following:

- The physician's opinion as to whether the employee has any detected medical conditions which would place the employee at increased risk of material impairment of the employee's health from work in hazardous waste operations or emergency response, or from respirator use.
- The physician's recommended limitations upon the employee's assigned work.
- A statement that the employee has been informed by the physician of the results of the medical examination and any medical conditions which require further examination or treatment.

5.6 Medical Surveillance Recordkeeping

An accurate record of the medical surveillance shall be retained. This record shall be retained for the period specified and meet the criteria of 8 CCR 3204. The record shall include at least the following information:

- The name and social security number of the employee.
- Physician's written opinions, recommended limitations, and results of examinations and tests.
- Any employee medical complaints related to exposure to hazardous substances.
- A copy of the information provided to the examining physician by the employer, with the exception of the standard and its appendices.

6.0 Site Safety Meetings

Tailgate safety meetings shall be held prior to the start of work and weekly thereafter. Topics to be discussed shall include health and safety hazards associated with the day's activities and any safety-related issues from the previous week's work.

Pre-entry briefings shall be held prior to initiating any site activity in contaminated areas, and at such other times as necessary to ensure that employees are apprised of the site health and safety plan and that this plan is being followed. For operations defined as hazardous substance removal work, a pre-job health and safety conference shall be held before the start of actual work. The conference shall include representatives of the owner or contracting agency, the contractor, the employer, employees, and employee representatives; and shall include a discussion of the employer's health and safety program and the means, methods, devices, processes, practices, conditions, or operations which the employer intends to use in providing a safe and healthy place of employment.

Visitors who are find it necessary to enter the Exclusion Zone or the Contamination Reduction Zone must receive a short orientation covering the relevant safety information contained in this plan.

6.1 Documentation of Site Safety Meetings

A detailed record of each safety meeting and health and safety conference shall be made on the Safety Meeting Form in Appendix G of the original Health and Safety Plan. Visitor training shall also be recorded on this form.

7.0 Site Characterization and Hazard Evaluation

The site has been previously characterized to identify any environmental contaminant and evaluate their human health risks. This information has been

evaluated by Rothwell Consulting Group to determine the appropriate health and safety control procedures needed to protect employees from the identified hazards during tank removal activities.

7.1 Preliminary Evaluation and Hazard Identification

A preliminary evaluation of a site's characteristics has been performed by a Certified Industrial Hygienist to aid in the selection of appropriate employee protection methods prior to site entry. After the start of work, a more detailed evaluation of the site's specific characteristics shall be performed by the qualified person, under the direct supervision of a Certified Industrial Hygienist, to further identify existing site hazards and to further aid in the selection of the appropriate engineering controls and personal protective equipment for the tasks to be performed. All suspected conditions that may pose inhalation or skin absorption hazards that are immediately dangerous to life or health (IDLH) or other conditions that may cause death or serious harm have been identified during the preliminary site investigation and evaluated during the contamination investigation.

7.2 Chemical Hazards

The chemical listed in Table 2 may be encountered during tank removal operations.

Table 2 - Summary of Chemical Contaminants

| Compound | Cal/OSHA Permissible Exposure Limit† | Route of Exposure†† | Characteristics and Signs and Symptoms of Overexposure. |
|------------------------------------|--------------------------------------|--------------------------|---|
| Petroleum hydrocarbons (as diesel) | None established | Inhalation Absorption | Several types of petroleum hydrocarbons exist. All have a characteristic petroleum odor and may produce acute narcosis at high levels and can cause defatting dermatitis. |

† Permissible Exposure Limit = Permissible Exposure Limit as an 8-hour time-weighted average.
 STEL = Short-Term Exposure Limit as a 15-minute time-weighted average.
 C = Ceiling Limit which shall never be exceeded at any time.

†† This indicates the most likely route of occupational exposure. While ingestion can be a route of exposure in nearly every instance, it is unlikely in the occupational setting when using effective decontamination procedures and good work practices.

7.3 Physical Hazards

Performance Excavators has developed standard operating procedures to minimize physical hazards. All personnel, contractors, and subcontractors shall become familiar with the field activities. Hard hats and safety shoes are required in all areas of the site. The following are physical hazards which may be present at the site:

7.3.1 Fire and Explosion Hazards

Tank pulling operations pose the risks of fire and explosion. Excavations have a tendency to trap heavy petroleum vapors and allow combustible vapors to accumulate. All excavations in petroleum contaminated areas shall be tested frequently using a combustible gas indicator that reads in percent of the lower explosive limit. Whenever combustible gas levels exceed 10% of the lower explosive limit, all personnel and equipment shall move upwind away from the excavation until vapor concentrations have dissipated to a safe level.

All tanks shall be tested using a combustible gas indicator prior to extraction. If combustible gas levels exceed 10% of the lower explosive limit within the tank, the tank shall be inerted with dry ice until vapor concentrations within the tank have dissipated to a safe level.

7.3.2 Tripping, Slipping, and Falling Hazards

Personnel will be reminded daily to maintain sure footing on all surfaces. Use of safety harnesses will be required for any personnel working six or more feet above any surface, including on manlifts. Use of hand rails when climbing stairs will be enforced, and handrails will remain secure until the support structure itself is removed and lowered to ground level.

Work surfaces of unknown or suspect integrity will be strengthened or overlain with a work platform capable of supporting all personnel and equipment in use in that area.

In order to minimize tripping hazards caused by construction debris, material will be removed daily from the work areas and stockpiled in appropriate designated storage areas. This "house cleaning" effort will be enforced by the Site Safety Officer at the end of each day.

7.3.3 Head, Eye, and Back Injuries

As minimum requirements, hard hats will be donned prior to performing any site activities. This will prevent minor injuries caused by bumping one's head while working around and under construction equipment. Personnel will be trained in and required to use proper lifting techniques when lifting heavy objects.

7.3.4 Falling Objects

All tasks can be accomplished without any object free-falling to the ground. All equipment and material will be slowly lowered to the ground using a crane or skip bucket. No personnel shall work under this equipment at any time. Also, the Site Safety Officer will ensure that an adequate area is clear of personnel while the equipment is in operation.

7.3.5 Heavy Equipment and Traffic

The use of heavy equipment on site presents the greatest potential for injury to personnel. In order to minimize these hazards, designated routes will be established for mobilization through the facility and specific traffic patterns will be established. All trucks will use spotters for backing procedures. All personnel working along roadsides are required to wear orange safety vests.

Personnel needing to approach heavy equipment during operation will observe the following protocols:

1. Make eye contact with the operator.
2. Signal the operator to cease heavy equipment activity.
3. Approach the equipment and inform the operator of intentions.

Only qualified personnel, as determined by the Site Superintendent, will operate heavy equipment. Those crew members directly involved with spotting for the operator will be the only personnel allowed within the operating radius of the heavy equipment. All other personnel will remain a safe distance away from these operations. Vehicles will yield to all bikes, pedestrians, and railroad crossings.

Equipment that is in safe working order will only be used. To maintain this policy, all equipment brought onto the project site will be inspected for structural integrity, smooth operational performance, and proper functioning of all critical safety devices in accordance with the manufacturer's specifications. This inspection will be performed by a qualified equipment operator and Site Safety Officer. Equipment not conforming to the operational and safety requirements during this inspection will not be put into service until all necessary repairs are made to the satisfaction of the inspection group. Only qualified operators familiar with the equipment will be permitted to operate equipment.

7.3.6 Electrical Hazards

In order to prevent accidents caused by electric shock, the Site Safety Officer will inspect all electrical connections on a daily basis. He will shut down and lock out any equipment which is found to have frayed wiring or loose connections until a

qualified electrician can be contacted and repairs effected. Electrical equipment will be de-energized and tested by an electrician before any electrical work is done. All equipment will be properly grounded prior to and during all work. Underground Service Alert will be notified at least two (2) working days prior to excavation in any area.

In addition, ground fault circuit interrupters (GFCIs) will be installed whenever possible in each circuit between the power source and tool, unless the presence of a potentially explosive atmosphere precludes this procedure. In the event that generators are used to supply power, these generators will be equipped with GFCIs.

7.3.7 Noise

When noise levels may exceed a time weighted average (TWA) of 85 dBA (decibels, A-weighted scale), hearing protection will be required by all exposed employees. Additionally, sound level monitoring will be conducted on-site. All Performance Excavators personnel undergo annual audiograms and will be restricted from high noise exposure should a standard threshold shift be detected. The Hearing Conservation Program is in compliance with both the California and Federal Hearing Conservation Standards.

7.4 Site Topography and Accessibility by Air and Roads

The sites are located in an urban, semi-industrial areas. Topography consists of flat terrain covered with concrete, asphalt, and some vegetation. The sites are readily accessible by adjacent city streets.

8.0 Site Control Program

Appropriate site control procedures shall be implemented to control employee exposure to hazardous substances before clean-up work begins and during removal operations. The site control program may be modified as necessary as new information becomes available.

8.1 Site Work Zones

To prevent migration of contamination caused by personnel or equipment, work areas and personal protective equipment are clearly specified prior to beginning operations. Designated work areas or zones shall be established and delineated, as suggested by the Occupational Health and Safety Guidance Manual for Hazardous Waste Site Activities. Each contaminated work area will be divided into three zones: an Exclusion Zone (EZ), a Contamination Reduction Zone (CRZ), and a Support Zone (SZ).

8.1.1 Exclusion Zone

The Exclusion Zone will consist of areas where inhalation, oral contact, or dermal contact with contaminants is considered to be possible. It is anticipated that the Exclusion Zone will encompass the immediate confines of the excavation area with a 10 foot buffer zone from the edge of the excavation to the Exclusion Zone boundary, if practical. The size and configuration of this area will vary with wind direction, type of operations being conducted, and perimeter air monitoring results. The Exclusion Zone boundary will be clearly and conspicuously marked using boundary tape or safety fencing and signs. The signs will specify that only trained and authorized personnel are allowed to enter. Authorization to be obtained from the foreman/site supervisor. A single entry and exit point will be established through the Contamination Reduction Zone. Entry shall be limited to essential personnel or pre-approved visitors.

8.1.2 Contamination Reduction Zone

The Contamination Reduction Zone will be established between the Exclusion Zone and support zone. In this area, personnel will begin the sequential decontamination process required to exit the exclusion zone. To prevent off-site migration of contamination and to facilitate personnel accountability, all personnel will enter and exit the exclusion zone through the Contamination Reduction Zone.

All waste materials generated in the Contamination Reduction Zone shall be collected and effectively contained through the use of drums, bags, plastic sheeting, and/or tanks. All waste materials shall be labeled as such and properly disposed of according to their hazard classifications.

8.1.3 Support Zone

The Support Zone will consist of a clearly marked area where the office, break areas, and changing facilities are located. Smoking, drinking, and eating will be allowed only in designated areas. Sanitation facilities (toilets, drinking and washing water) are provided in the Support Zone.

8.2 Access Controls During Removal Operations

Physical boundaries shall be established around each work zone using safety fencing and/or barricade tape during hazardous material removal operations as specified in Section 8.2. Supervisors shall instruct all workers and visitors on the limits of the restricted areas. No one shall be allowed to enter a restricted area without the required protective equipment for that area. The Site Safety Officer shall ensure compliance with all restricted area entry and exit procedures. A decontamination point shall be designated for personnel to exit from the contaminated area and enter into the clean area where they may rest and drink fluids. Visitors should check in

immediately upon arrival. Only authorized visitors will be allowed access to the contaminated areas. Each visitor will be required to provide and wear the necessary protective equipment during visits and shall be escorted by supervisory personnel while on site. All visitors, subcontractors and other personnel will be required to sign a safety plan acknowledgment sheet to certify that they have read and will comply with the site Health and Safety Plan. Failure to comply with this site entry procedure will result in expulsion from the site.

8.3 Buddy System

The buddy system shall be used at all times at the site. Employees shall be organized into work groups in such a manner that each employee of the work group is designated to be observed by at least one other employee in the work group. The purpose of the buddy system is to provide quick assistance to employees in the event of an emergency.

9.0 Personal Protective Equipment

Personal protective equipment (PPE) has been selected which will protect employees from the hazards and potential hazards they are likely to encounter as identified during the site characterization and analysis. The level of protection provided by PPE selection shall be increased when additional information on site conditions shows that increased protection is necessary to reduce employee exposures below established Permissible Exposure Limits and published exposure levels for hazardous substances and health hazards.

9.1 PPE Selection and Action Levels

Initial PPE requirements shall be EPA Level D as outlined in Table 3 at all locations in the designated exclusion zones. If photoionization detector levels are seen exceeding 5 ppm in the breathing zones of employees, PPE shall be upgraded to the level shown in Table 4. Also, if a previously unidentified material is discovered during work operations, PPE shall be modified as necessary and at the determination of the Certified Industrial Hygienist.

Table 3 - Level D PPE Requirements

| Location | Tasks | EPA Level | Equipment Required |
|-----------------|--|-----------|---|
| Exclusion Zones | All tasks involving contact with contaminated materials. | D | <ul style="list-style-type: none"> • Hard hat • Tyvek coveralls • Rubber overboots • Nitrile gloves • Cotton inner gloves • Orange safety vests |

| | | | |
|------------------------------|------------|---|---|
| Contamination Reduction Zone | All tasks. | D | <ul style="list-style-type: none"> • Hard hat • Tyvek coveralls • Rubber overboots • Nitrile gloves • Cotton inner gloves • Orange safety vests |
| Support Zone | All tasks. | D | <ul style="list-style-type: none"> • Hard hat • Orange safety vests |

Table 4 - Level C PPE Requirements

| Location | Tasks | EPA Level | Equipment Required |
|------------------------------|------------|-----------|---|
| Exclusion Zones | All tasks. | C | <ul style="list-style-type: none"> • Half-mask air purifying respirator equipped with HEPA/organic vapor combination cartridges • Hard hat • Tyvek coveralls • Rubber overboots • Nitrile gloves • Cotton inner gloves • Orange safety vests |
| Contamination Reduction Zone | All tasks. | D | <ul style="list-style-type: none"> • Hard hat • Tyvek coveralls • Rubber overboots • Nitrile gloves • Cotton inner gloves • Orange safety vests |
| Support Zone | All tasks. | D | <ul style="list-style-type: none"> • Hard hat • Orange safety vests |

9.2 PPE Limitations

The PPE selected for use at the site provides limited protection against chemical contaminants. Tyvek protective clothing must not be worn in areas where splashing of hazardous liquids on the skin is possible. In addition, Tyvek clothing must not be worn by persons performing hot work such as welding, brazing, and metal cutting.

Half mask air-purifying respirators, as specified in the Table 3, must not be worn in an oxygen deficient atmosphere or where concentrations exceed the capabilities of the respirator cartridge. Also, respirator cartridges must conform to the chemical hazards present at the site. Always read the respirator cartridge prior to use to ensure that it is the correct type.

9.3 PPE Work Mission Duration

Disposable protective clothing is to be disposed of after each use. Disposable protective clothing must be replaced upon re-entry into the Exclusion Zone, or if the suit becomes damaged or saturated during use. Repairs to small rips may be made to protective clothing using duct tape.

9.4 PPE Maintenance and Storage

All PPE, including overboots and gloves, shall be maintained in good condition. Any PPE found to be torn, cut, punctured, or otherwise damaged shall be disposed of immediately. After use and decontamination, respirators shall be stored overnight in a closed container. The following day, the closed container shall be transported to the PPE donning area for reuse.

9.5 PPE Training and Proper Fitting

All personnel shall be thoroughly trained in the proper use and limitations of the equipment they are assigned to wear. Annual qualitative respirator fit tests are required of all personnel wearing negative pressure respirators. Qualitative fit tests will utilize isoamyl acetate or irritant smoke. Fit tests must incorporate the make and size of respirator to be used. Additionally, a positive and negative fit test shall be conducted each time a respirator is donned.

9.6 PPE Donning and Doffing Procedures

All PPE shall be donned prior to entering the Exclusion Zone. PPE shall be donned with the assistance of a "buddy" to verify that equipment is worn properly. All PPE shall be worn in accordance with the manufacturer's recommendations. At no time shall a person remove the designated PPE while in the designated work zones. Disposable PPE shall only be removed in the Contamination Reduction Zone upon exiting the Exclusion Zone. Personnel shall utilize seating (during decontamination and doffing procedures) to prevent tripping and falling.

9.7 PPE Inspection Procedures

PPE shall be inspected by employees prior to donning. Boots, gloves, and disposable clothing found to be defective shall not be worn and shall be disposed of. Defective respirators, safety glasses, and hard hats shall be reported to the Site Safety Officer.

9.8 Evaluation of the Effectiveness of the PPE Program

Periodic inspections and observations of personnel using PPE shall be made by the Site Safety Officer to ensure that the PPE Program elements are being followed.

10.0 Respiratory Protection Program

This respiratory protection program provides the minimum requirements for respiratory protection whenever Level C or higher levels of personal protection are required.

10.1 Respirator Cartridges

The crew members working in an EPA Level C ensemble shall wear half-mask air purifying respirators equipped with HEPA/organic vapor cartridges, depending on site conditions. HEPA/organic vapor cartridges hold approval for dust, mists, fumes, asbestos, and radionuclides, as well as organic vapors at concentrations less than 1,000 ppm.

10.2 Cartridge Changes

All cartridges will be changed a minimum of once daily. However, increased airborne concentrations and breathing rates may necessitate more frequent changes. Changes will occur when personnel begin to experience increased breathing resistance, notice any unusual odor inside the respirator, or experience excessive heat generation in the cartridges. All cartridge changes will take place in the CRZ after decontamination of the exterior part of the PPE ensemble.

10.3 Respirator Inspection, Cleaning and Storage

Respirators shall be maintained by the employee to whom they are assigned. All respirators and associated equipment shall be inspected and cleaned, as necessary, prior to use. Respirators shall be decontaminated, cleaned, and disinfected by the user during each decontamination episode. Harsh detergents or solvents must not be used to clean respirators. Cleaned respirators must be thoroughly dried before storing. Respirators will be checked periodically by the Site Safety Officer. Respirators shall be stored in a clean, dry container and out of direct sunlight. Respirators must also be stored in such a way that the facepiece is not misshapen.

10.4 Respirator Use with Facial Hair

No personnel with facial hair which interferes with the respirator's sealing surface shall be permitted to wear a respirator.

10.5 Respirator Use With Corrective Lenses

Full-face respirator use is not anticipated at the site. However, normal eyeglasses cannot be worn under full-face respirators because the temple bars interfere with the respirator's sealing surfaces. For workers requiring corrective lenses who also must

don full-face respiratory protection, special spectacles designed for use with respirators will be provided.

10.6 Respirator Use With Contact Lenses

Contact lenses shall not be worn with any type of respirator.

10.7 Medical Certification for Respirator Use

Only workers who have been certified by a physician as being physically capable of respirator usage will be issued a respirator.

10.8 Respirator Limitations

The respirators specified for this site have their limitations. Respiratory protection specified in Table 3 may not be worn in atmospheres immediately dangerous to life or health (IDLH), or in oxygen deficient atmospheres. They may not be worn in concentrations which exceed ten times the Permissible Exposure Limit of any airborne contaminant. HEPA/organic vapor cartridges may not be worn in organic vapor concentrations exceeding 1000 ppm.

11.0 Monitoring

Air monitoring shall be performed to quantify airborne levels of hazardous substances in order to determine the appropriate level of employee protection needed on site, and to evaluate engineering controls and work practices. Monitoring shall be performed continuously where airborne concentrations of hazardous substances are anticipated to be the highest, as determined by the Certified Industrial Hygienist. Perimeter monitoring shall also be conducted upwind and downwind of each tank removal.

11.1 Employee Air Monitoring

Tank removal excavations have a tendency to trap heavy petroleum vapors and allow combustible vapors to accumulate. Employee exposures shall be quantified using a PID held in the breathing zones. All excavations in petroleum contaminated areas shall be tested frequently using a combustible gas indicator that reads in percent of the lower explosive limit. Whenever combustible gas levels exceed 10% of the lower explosive limit, all personnel and equipment shall move upwind away from the excavation until vapor concentrations have dissipated to a safe level.

All tanks shall be tested using a combustible gas indicator prior to extraction. If combustible gas levels exceed 10% of the lower explosive limit within the tank, the

tank shall be inerted with dry ice until vapor concentrations within the tank have dissipated to a safe level.

11.2 Types of Monitoring Equipment, Locations, and Frequencies

Table 5 - Employee Monitoring Requirements

| Type | Frequency and Location | Calibration Schedule |
|--|--|----------------------|
| <u>Petroleum Hydrocarbons</u> Photoionization detector. | Continuously in the EZs during excavation. | Once per day. |

Table 6 - Work Area Monitoring Requirements

| Type | Frequency and Location | Calibration Schedule |
|--|---|----------------------|
| <u>Flammable vapors</u> LEL/Oxygen meter | Continuously in the work areas during excavation. | Once per day. |
| <u>Petroleum Hydrocarbons</u> Photoionization detector. | Continuously in the work areas during excavation. | Once per day. |

11.3 Training Requirements of Monitoring Personnel

11.4 Documentation of Monitoring

Records of monitoring results shall be maintained at the site. Records shall include the date, time, contaminants or hazards monitored, person conducting monitoring, calibration date and method, operations and location of monitoring, and results. An air monitoring data sheet shall be completed for each sample.

12.0 Informational Programs

The contractor shall inform employees, contractors, and subcontractors (or their representatives) actually engaged in hazardous waste operations shall be informed of the nature, level, and degree of exposure likely as a result of participation in such hazardous waste operations. Any information concerning the chemical, physical, and toxicological properties of each substance known or expected to be present on site that is available to the employer and relevant to the duties an employee is expected to perform shall be made available to the affected employees prior to the commencement of their work activities.

The company's Injury and Illness Prevention and Hazard Communication Programs shall be available in the job trailer. Employees, contractors, and subcontractors shall also be informed and shall share information on chemical

hazards at the site, as required by the Hazard Communication standard. MSDS for all hazardous materials used on site shall be made readily available to site personnel. Employees, contractors, and subcontractors working outside of the operations part of a site shall only be notified of chemical hazards as required by the Hazard Communication standard.

13.0 Material Handling

Hazardous substances and contaminated soils, liquids, and other residues shall be handled, transported, labeled, and disposed of in accordance with this section.

13.1 Drums and Containers

If unlabeled drums and containers are encountered, they shall be considered to contain hazardous substances, work shall stop, and the Engineer shall be notified of the discovery.

Drums and containers used during the clean-up shall meet the appropriate U.S. Department of Transportation (DOT), OSHA, and EPA regulations for the wastes that they contain. When practical, drums and containers shall be inspected and their integrity shall be assured prior to being moved. Drums or containers that cannot be inspected before being moved because of storage conditions (i.e., buried beneath the earth, stacked behind other drums, stacked several tiers high in a pile, etc.) shall be moved to an accessible location and inspected prior to further handling.

Site operations shall be organized to minimize the amount of drum or container movement. Prior to movement of drums or containers, all employees exposed to the transfer operation shall be warned of the potential hazards associated with the contents of the drums or containers. Drums and containers that cannot be moved without rupture, leakage, or spillage shall be emptied into a sound container using a device classified for the material being transferred. Drums and containers under pressure, as evidenced by bulging or swelling, shall not be moved until such time as the cause for excess pressure is determined and appropriate containment procedures have been implemented to protect employees from explosive relief of the drum.

13.2 Shipping and Transport of Drums and Containers

Drums and containers shall be identified and classified prior to packaging for shipment. Drum or container staging areas shall be kept to the minimum number necessary to safely identify and classify materials and prepare them for transport. Staging areas shall be provided with adequate access and egress routes.

14.0 Decontamination Procedures

All employees leaving the exclusion zone shall be appropriately decontaminated; all contaminated clothing and equipment leaving a contaminated area shall be appropriately disposed of or decontaminated.

Decontamination procedures shall be monitored by the Site Safety Officer to determine their effectiveness. When such procedures are found to be ineffective, appropriate steps shall be taken to correct any deficiencies.

14.1 Personnel Decontamination Procedures

Upon exiting the Exclusion Zone, personnel shall remove all visible contamination from their PPE using soap, water, and brushes. Personnel shall use the following decontamination procedure:

- Step 1: Hardhat removal
- Step 2: Boot, glove, and coverall wash
- Step 3: Boot, glove, and coverall rinse
- Step 4: Tape removal
- Step 5: Overboot removal
- Step 6: Suit removal
- Step 7: Outer glove removal
- Step 8: Respirator removal (optional)
- Step 9: Respirator cartridge removal (optional)
- Step 10: Cotton inner glove removal
- Step 11: Wash hands, face.

All disposable protective clothing shall be removed during decontamination and shall be disposed of in a lidded container lined with a labeled drum liner. All waste generated at the site shall be disposed of according to the hazard classification of the debris.

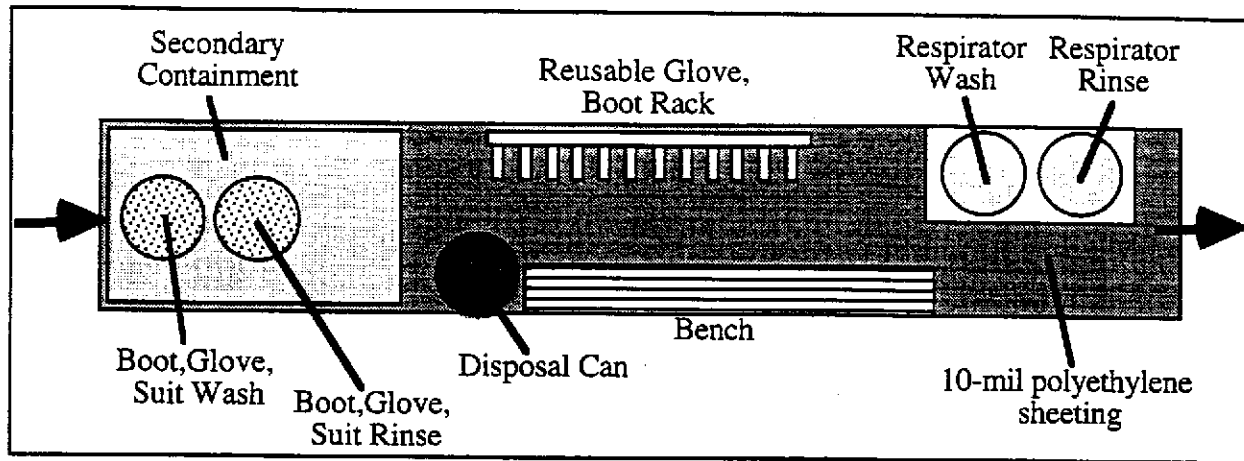


Figure 1 - Personnel Decontamination Layout

14.2 Equipment Decontamination Procedures

Upon exit from the Exclusion Zone, personnel shall drive equipment onto the decontamination pad in the Contamination Reduction Zone and remove all visible contamination from their equipment using soap, water, and brushes. The tracks and tires of equipment shall be scraped to remove the gross contamination before driving onto the decontamination pad. Water from the decontamination pad will be collected in a sump and transferred to a larger storage tank or pumped and properly disposed of when full.

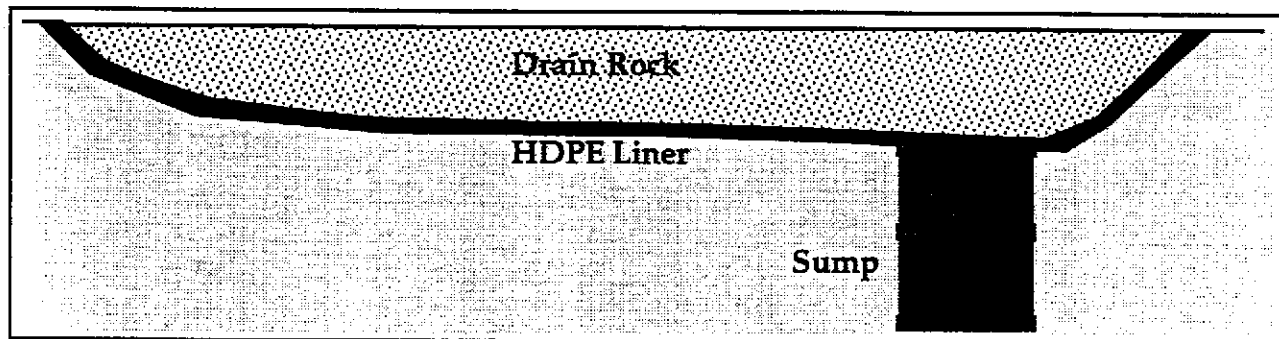


Figure 2 - Equipment Decontamination Layout

14.3 Location and Layout of Decontamination Facilities

Employee decontamination shall be performed at the southwest corners of each Exclusion Zone, adjacent to the Support Zone. This location will minimize the

exposure of uncontaminated employees, areas, and equipment to contaminated employees or equipment. The decontamination facility shall be arranged in such a way that personnel and equipment must exit the Exclusion Zone only through the CRZ. Equipment decontamination facilities shall be established at locations within the staging areas.

14.4 Employee Wash Facilities

After employee exit the Contamination Reduction Zone (where they have decontaminated and removed their PPE), they shall proceed to a wash facility to wash hands and face prior to eating, drinking, smoking, or leaving the site. Disposable towels shall be provided for drying.

14.5 Storage and Disposal of Decontamination Water

All water used for decontamination shall be contained and stored in storage tanks. All decontamination water shall be sampled for the contaminants of concern so that a proper disposal plan can be devised.

15.0 Emergency Response Plan

This emergency response plan explains how to handle anticipated emergencies prior to the commencement of hazardous waste operations.

15.1 Emergency Procedures

Employees may respond to low danger emergencies, such as administration of first aid, fighting small fires (with fire extinguishers), and clean-ups of small chemical spills (of less than 55 gallons or 500 pounds). All employees shall evacuate from the danger area when an emergency not listed above occurs, and shall not assist in handling the emergency.

Should outside medical or other emergency assistance be required, personnel shall notify the job trailer of the nature of the emergency and a call shall be to 9-1-1.

If the injury or illness appears to be minor, the affected person appears to be minor, the person may be driven to the emergency room of Brookside Hospital.

15.2 Site Communications and Alerting Means for Emergencies

Temporary radio and telephone communications are to be established at the job trailer and at the site. Emergency alerts shall be made using two-way radios from the job trailer to the site, or vice versa. Personnel working on the site shall be alerted by air horns using the following alerts:

3 short blasts in sequence..... Exit the work area
1 long blast..... All clear

15.3 Places of Refuge

All personnel, when alerted during emergencies, shall exit the Exclusion Zone through the Contamination Reduction Zone and muster in the Support Zone. Personnel are to remain in the staging area and await further instructions.

15.4 Identification of Nearest Medical Assistance

Summit Medical Center
350 Hawthorne Avenue
Oakland, CA 94609
(510) 655-4000

In an emergency, call 911

The Hospital Location Map and Emergency Telephone Numbers are found in Appendix C. They shall be posted at the site and at all phones in the main office trailer.

15.5 Status and Capabilities of Emergency Response Providers

Local emergency responders (fire department, medical providers and transporters) are on full time alert and have the capabilities to respond to any anticipated site emergency.

15.6 Pre-emergency Planning

The types of emergencies anticipated include personal injuries, fire, and small chemical spills. An OSHA-approved first aid kit shall be made available at the site. Also, two employees trained and currently certified in first aid and CPR shall be on site at all times. A charged and inspected fire extinguisher shall be available on each piece of equipment. Spill containment equipment will be made available if hazardous materials are stored on site.

15.7 Personnel Roles, Lines of Authority, and Communication

The Site Safety Officer shall act as the incident commander during an emergency response. He shall coordinate and direct emergency response procedures to all site personnel. An emergency shall be communicated to all persons on site by radio and/or verbal communications.

15.8 Emergency Recognition and Prevention

All site personnel shall be trained to recognize when an emergency situation has arisen and shall know how to notify the Site Safety Officer of the incident. Site personnel shall use safe work practices to minimize the potential for an incident. Regular safety meeting shall be held to identify and communicate problem areas at the site.

15.9 Site Security and Control

During an emergency situation, all personnel are responsible for assuring the public's safety and shall keep all bystanders and unauthorized personnel from entering the site. All no time shall personnel give statements regarding an emergency to persons not associated with emergency response or management.

15.10 Decontamination of Injured Workers

Due to the relatively low levels of contamination at the site, decontamination procedures for injured workers may be limited to removal of outer coveralls and boots so long as such action will not aggravate the injury. If the injury is minor, and does not require immediate medical attention, workers may decontaminate as usual.

15.11 Accident Reporting and Follow-Up

All incident scenes shall be preserved so that a thorough incident investigation may be performed. All causes of the incident shall be investigated and the findings presented to site personnel to prevent future incidents.

16.0 Spill Containment

It is not anticipated that large volumes of hazardous materials will be stored on site. However, if large volumes of hazardous or potentially-hazardous liquids are stored on site, adequate secondary containment shall be provided around the storage area. In addition, spill containment equipment (absorbent socks, clay, and shovels, and a salvage drum) shall be kept at the site to respond to small spills of hazardous liquids or solids. Should a spill occur, immediate steps to contain the spill must be taken. Such steps include shutting of valves, closing doors or vents, protecting sanitary sewers and surface waters, or shutting off pumps. At no time shall a spill be contained if such action presents a hazard. The Site Safety Officer must then be notified of the situation so that he may direct the clean-up.

17.0 Sanitation at Temporary Workplaces

17.1 Potable Water

An adequate supply of potable water shall be provided on the site. Portable containers used to dispense drinking water shall be capable of being tightly closed and equipped with a tap, and shall be otherwise designed, constructed, and serviced so that sanitary conditions are maintained. Water shall not be dipped from containers. Any container used to store, dispense, or distribute drinking water shall be clearly marked as to the nature of its contents and not used for any other purpose.

Where single service cups (to be used but once) are supplied, both a sanitary container for the unused cups and a receptacle for disposing of the used cups shall be provided.

17.2 Non Potable Water

Outlets for non potable water, such as water for equipment decontamination, dust control, or firefighting purposes, shall be identified to indicate clearly that the water is unsafe and is not to be used for drinking, washing, or cooking purposes. There shall be no cross-connection, open or potential, between a system furnishing potable water and a system furnishing non potable water.

17.3 Toilet Facilities

A minimum of one separate toilet facility shall be provided for each 20 employees or fraction thereof of each sex. Such facilities may include both toilets and urinals provided that the number of toilets shall not be less than one half of the minimum required number of facilities. EXCEPTION: Where there are less than 5 employees, separate toilet facilities for each sex are not required provided the toilet facilities can be locked from the inside and contain at least one toilet. Under temporary field conditions, provisions shall be made to assure that at least one toilet facility is available.

If the site is not provided with a sanitary sewer, it shall be provided with one of the following toilet facilities unless prohibited by local codes:

- Chemical toilets
- Recirculating toilets
- Combustion toilets
- Flush toilets

Doors entering toilet facilities shall be provided with entrance locks controlled from inside the facility. Toilet facilities shall be kept clean, maintained in good working order, and provided with an adequate supply of toilet paper.

Washing facilities shall be on site for washing of hands and face following decontamination procedures. Such facilities shall be in near proximity to the CRZ.

18.0 Site Illumination

Table 7 - Minimum Illumination Intensities in Foot-Candles

| Foot Candles | Area or Operations |
|--------------|--|
| 5 | General site areas. |
| 3 | Excavation and waste areas, accessways, active storage areas, loading platforms, refueling, and field maintenance areas. |
| 5 | Indoors: Warehouses, corridors, hallways, and exitways. |
| 5 | Tunnels, shafts, and general underground work areas. (EXCEPTION: Minimum of 10 foot-candles is required at tunnel and shaft heading during drilling, mucking, and scaling. Mine Health and Safety Administration approved cap lights shall be acceptable for use in the tunnel heading.) |
| 10 | General shops (e.g., mechanical and electrical equipment rooms, active storerooms, barracks or living quarters, locker or dwelling rooms, dining areas, and indoor toilets and workrooms.) |
| 30 | First aid stations, infirmaries, and offices. |

19.0 Confined Space Entry

In any confined space, dangerous air contaminants cannot always be prevented from accumulating or be removed by natural ventilation. Whenever an employee works in this type of environment, the chance always exists that an oxygen-deficient, explosive, or toxic atmosphere may be present upon entry or develop while working or even as a result of work being performed in the space.

Since all confined spaces represent a potential hazard, special precautionary measures must be implemented to protect the workers. This program outlines the precautionary measures necessary for each entry into a confined space during hazardous material removal operations. With thorough training, quality equipment, clear thinking, and responsible actions, the employee who enters the confined space should exit alive and unharmed.

19.1 Definitions of Confined Spaces

A confined space as a space that is:

- Large enough and so configured that an employee can bodily enter and perform work.
- Has limited or restricted means of entry or exit
- Is not designed for human occupancy

19.2 Permit-required Confined Spaces

An area is considered a permit-required confined space if it presents or has the potential to contain hazards related to atmospheric conditions, engulfment, configuration or any other recognized serious hazard. If excavations or bridge interiors have any of these potential hazards, they shall be considered confined spaces.

The Site Safety Officer shall conduct evaluations of the workplace and determine if there are any permit-required confined spaces. He/she then shall inform workers through signs or other means and prevent unauthorized entry.

19.2.1 Permit System

The Site Safety Officer shall act as entry supervisor. The entry supervisor must authorize entry, prepare and sign written permits, order corrective measures and cancel permits when work is completed. A permit is found in Appendix E.

19.4 Entry Supervisor

The entry supervisor must know the hazards of confined spaces, verify that all tests have been conducted and procedures and equipment are in place. The entry supervisor shall terminate entry and cancel permits and verify that rescue service are available. He/she is also responsible for removing unauthorized workers who enter confined spaces and determine that acceptable conditions continue.

19.5 Rescue Services

The fire department shall be called whenever a confined space entry is performed. They shall be notified of the location and nature of the entry so that they can provide prompt assistance, if needed.

19.6 Lockout/Tagout Procedures

Any equipment (electrical or mechanical) that is capable of being reenergized remotely or dissipating potential energy must have all switches, valves, etc. capable of doing so physically disconnected or locked out prior to commencement of work.

The steps of a lockout/tagout procedure include:

- Inform the operator and all area personnel of work to be performed.
- Lockout device is attached, with tag, to switch, valve, or other actuator.
- All involved personnel attach separate locks to lockout device and pocket keys.
- All locks and therefore lockout device remain in place until work is complete and all personnel are clear of hazard.

- Lockout device is removed and operator and area personnel are informed of work completion.

19.7 Atmospheric Testing of Confined Spaces

19.7.1 List of Equipment

- Photoionization detector equipped with a 10.6 eV lamp if a toxic environment is possible..
- Catalytic hot wire combustible gas indicator that reads in percent of the lower explosive limit and oxygen combination meter that reads in percent oxygen if flammability and/or oxygen deficiency are possible.
- Ten foot non-sparking pole
- Tygon tubing

19.7.2 Testing for Explosive Atmosphere

Explosivity should always be the first test due to the immediate danger of explosion whether or not personnel actually enter the space. A hot wire combustible gas indicator should be used.

Warning

1. The catalytic hot wire LEL does not detect many hazardous gases.
2. Leaded gasoline and chlorinated solvents can poison the meter very quickly causing malfunction.
3. The LEL does not detect explosive dust atmospheres.
4. Nearby electrical equipment may cause erratic readings.

19.7.3 LEL Monitor Preparation

- The meter should be calibrated within 5 days of use.
- Start and check the meter according to manufacturer's instruction.
- Warm up and zero the meter in a clean area.
- Test the meter with a known positive source (such as an unlit butane lighter).
- Zero the meter at 5%. This allows the operator to see negative reactions which may indicate unexpected gases.

19.7.4 LEL Monitor Operation

It is best to provide a pole and a tube to collect the sample from a distance. The retention time for the tubing should be considered. Sample in an imaginary diamond very slowly.

- If the needle goes to 100% and then drops to zero, the UEL has been exceeded.

- If the needle quickly drops below zero, this indicates an oxygen deficient atmosphere.
- If the needle deflects upscale and then comes back down to zero, this may be caused by a gas that is heavier than air.
- If there is a constant upscale erratic deflection of the needle, there may be high levels of chlorinated solvents and some heavier inert gases.
- If more than 100% of the LEL, this is very dangerous and must be made explosive before it is safe to enter.
- If 100% of the LEL, it is immediately explosive and must be made ventilated before it is safe to enter.
- If more than 10% of the LEL, it is illegal to enter according to OSHA regulations and must be ventilated.
- If less than 10% of the LEL, it is legal to enter but may still be toxic.

19.7.5 Testing for Oxygen Deficiency

Monitoring for oxygen deficiency should be performed in the same manner as for explosivity.

- If oxygen concentration is less than 19.5%, it is oxygen deficient and illegal to enter according to OSHA regulations and must be ventilated.
- If oxygen concentration is more than 23.5%, it is oxygen enriched and illegal to enter according to OSHA regulations and must be ventilated.

19.7.6 Testing for Toxic Airborne Contaminants

If a toxic atmosphere is suspected, testing should be conducted for the contaminant(s) suspected and compared with their permissible exposure limits. Testing is most easily done using a photoionization detector.

19.8 Ventilation

Exhaust ventilation may be used to draw or push dense gases and vapors from bottom of space, allowing fresh air to replace them. The source of ventilating air must be uncontaminated. Consider destination of exhausted gases/vapors before beginning ventilation.

19.9 Extraction and Rescue Equipment

A rescue harness is to be worn at all times during entry into confined spaces with recognized hazards and limited and limited access or egress. A tripod shall be available for overhead rescue. Observer shall be in constant communication with entry personnel. The entry procedure shall be aborted at the first indication of difficulty.

20.0 Hot Work Permits

No hot work, including welding, torch cutting, and brazing shall take place without first acquiring a hot work permit from the Site Safety Officer. A copy of the hot work permit is in Appendix E.

21.0 Site Excavations

Site excavations created during initial site preparation or during hazardous waste operations shall be shored or sloped as appropriate to prevent accidental collapse in accordance with 8 CCR, Chapter 4, Subchapter 4, Article 6.

22.0 Safety Inspections

Inspections shall be conducted by the Site Safety Officer or, in the absence of that individual, another individual who is knowledgeable in occupational health and safety, acting on behalf of the employer as necessary to determine the effectiveness of the site health and safety plan. Any deficiencies in the effectiveness of the site health and safety plan shall be corrected by the employer. A record of the safety inspection are maintained in Appendix F.



JONAS & ASSOCIATES INC.
Environmental Consultants

2815 Mitchell Drive, Suite 209 • Walnut Creek, CA 94598 • Tel: (510) 933-5360 • Fax: (510) 933-5362

August 7, 1995

Ms. Susan Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway
Room 250
Alameda, CA 9402

Subject: Transmittal of Underground Tank Closure Plans
Project: Caltrans - Container Freight and J&A Truck Repair
J&A No.: CLT-212

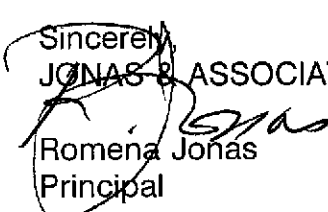
Dear Ms. Hugo:

As per our discussion, enclosed are three copies (each) of Underground Tank Closure Plans for Container Freight and J&A Truck Repair. Performance Excavators in association with Jonas & Associates will be removing one tank from each aforementioned facility. We have enclosed two checks, each for the amount of \$603.00. In addition, as you had suggested, upon receipt of your Forms A and B, we will complete and forward them to your office.

After receipt of the approved closure plans, we will contact Oakland Fire Department in order to obtain a permit from them. We will also contact Bay Area Air Quality Management District to complete their notification forms.

We appreciate your support on this project and look forward to hearing from you. Should you have any questions, or comments, please contact Romena Jonas at (510) 933-5360.

Sincerely,
JONAS & ASSOCIATES INC.


Romena Jonas
Principal

Attachments

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737
(510) 540-3724



June 19, 1995

Mr. Ace Forsen, Chief
Project Development/Benicia-Martinez Bridge
Caltrans
P.O. Box 23660
Oakland, California 94623-0660

Dear Mr. Forsen:

**REVISED PRELIMINARY ENDANGERMENT ASSESSMENT (PEA), AND RESPONSE
TO COMMENTS, CONTAINER FREIGHT, 1285 5TH STREET, CYPRESS
RECONSTRUCTION PROJECT, OAKLAND**

The Department of Toxic Substances Control (DTSC) has received the revised draft PEA for the Container Freight site prepared by Environmental Solutions, Inc. on behalf of Caltrans. We have reviewed the revisions made to the draft PEA and find that they respond to all comments contained in DTSC's June 7, 1995 letter; therefore, the PEA is approved. If you have any questions regarding this letter, please contact Lynn Nakashima at (510) 540-3839.

Sincerely,

A handwritten signature in cursive script that reads "Barbara J. Cook".

Barbara J. Cook, P.E., Chief
Site Mitigation Branch

cc: See Next Page



Mr. Ace Forsen
June 19, 1995
Page Two

cc: Mr. Chris Wilson
Caltrans
Environmental Engineering
P.O. Box 23660
Oakland, California 94623-0660

Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Ms. Cydney M. Miller
Environmental Solutions, Inc.
1201 North McDowell Boulevard
Petaluma, California 94954

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737
(510) 540-2122



November 7, 1994

Mr. Ace Forsen, Chief
Project Development/Benicia-Martinez Bridge
Caltrans
111 Grand Avenue
P.O. Box 23660
Oakland, California 94623-0660

Dear Mr. Forsen:

**REVISED HEALTH AND SAFETY PLAN AND WORK PLAN ANALYTICAL
PROGRAM, FIRST SITE GROUP-CONTAINER FREIGHT 1285 5TH STREET,
CYPRESS RECONSTRUCTION PROJECT, OAKLAND**

The Department of Toxic Substances Control (Department) received on November 2, 1994, by facsimile, revisions to the Health and Safety Plan and Work Plan submitted by Environmental Solutions, Inc. on behalf of Caltrans. The revisions made to the Health and Safety Plan adequately respond to the Department's concerns contained in a letter dated November 2, 1994. In addition, the revisions proposed to the analytical portion of the Work Plan are acceptable.

If you have any questions regarding this letter, please contact Lynn Nakashima of my staff at (510) 540-3839.

Sincerely,

A handwritten signature in cursive script that reads "Barbara J. Cook".

Barbara J. Cook, P.E., Chief
Site Mitigation Branch

cc: Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612



Mr. Ace Forsen, Chief
November 7, 1994
Page Two

cc: Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Mr. Joel Howie
Caltrans
Environmental Engineering
111 Grand Avenue
P.O. Box 23660
Oakland, California 94623-0660

Ms. Cydney Miller
Environmental Solutions, Inc.
1201 North McDowell Boulevard
Petaluma, California 94954

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737

(510) 540-3724

ALCO
HAZMAT

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November 2, 1994

Mr. Ace Forsen, Chief
Project Development/Benicia-Martinez Bridge
Caltrans
111 Grand Avenue
P.O. Box 23660
Oakland, California 94623-0660

Dear Mr. Forsen:

**REVISED HEALTH AND SAFETY PLAN, FIRST SITE GROUP-CONTAINER
FREIGHT, 1285 5TH STREET, CYPRESS RECONSTRUCTION PROJECT, OAKLAND**

The Department of Toxic Substances Control (Department) received the Revised Health and Safety Plan for Container Freight submitted by Environmental Solutions, Inc. on behalf of Caltrans. The revision satisfactorily addressed the Department's comments 1, 2 and 4 contained in a letter dated October 14, 1994. Comment 3 dealt with lead exposure issues and was responded to by stating that it was preferred to upgrade personal protective levels rather than conduct personnel monitoring. The Department understands that soil samples were collected by Caltrans within or near the Container Freight site boundaries as part of the Contract A sampling effort. Therefore, actual sampling data is now available to evaluate potential lead exposures to field personnel. The Department suggests that Caltrans evaluate the existing data to determine the appropriate level of respiratory protection and monitoring.

If you have any questions regarding this letter, please contact Lynn Nakashima of my staff at (510) 540-3839.

Sincerely,

A handwritten signature in cursive script that reads "Barbara J. Cook".

Barbara J. Cook, P.E., Chief
Site Mitigation Branch A

cc: See next page



Mr. Ace Forsen, Chief
November 2, 1994
Page Two

cc: Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Wester Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
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Mr. Joel Howie
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111 Grand Avenue
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DEPARTMENT OF TOXIC SUBSTANCES CONTROL

REGION 2
700 HEINZ AVE., SUITE 200
BERKELEY, CA 94710-2737



(510) 540-3724

October 14, 1994

Mr. Ace Forsen, Chief
Project Development/Benicia-Martinez Bridge
Caltrans
111 Grand Avenue
P.O. Box 23660
Oakland, California 94623-0660

Dear Mr. Forsen:

**REVISED SOIL AND GROUNDWATER INVESTIGATION WORKPLAN, FIRST SITE
GROUP-CONTAINER FREIGHT, 1285 5TH STREET, CYPRESS RECONSTRUCTION
PROJECT, OAKLAND**

The Department of Toxic Substances Control (Department) has received the revised Work Plan, and Health and Safety Plan for the Container Freight site located at 1285 5th Street, Oakland. The revised work plan adequately addressed all of the Department's comments contained in a letter dated May 18, 1994, and therefore the work plan is approved. The Department also reviewed the revised Health and Safety Plan included as Appendix C. The plan did not respond to the following comments provided by the Department in a letter dated May 17, 1994:

1. Comment 1, revised plan page C-1, item 3: The original comment requested that this paragraph be modified to indicate that a medical evaluation occurs before exposure. As written, the paragraph implies that medical monitoring is not required unless employees have to upgrade to respiratory protection.
2. Comment 2, revised plan page C-1, item 4: The responsibilities of the Site Safety Officer have been adequately addressed; however, this section does not include the chain-of-command.
3. Comment 4, revised plan page C-10, section 4.0: The original comment asked that a quantitative level to upgrade to level C should be provided for dust exposure. No level was provided in the revised plan. Also, the comment stated that if lead levels are unknown, but suspected, personnel monitoring must be done. These concerns were not addressed.



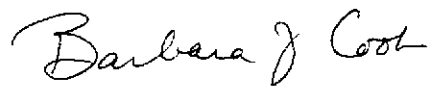
Mr. Ace Forsen
October 14, 1994
Page Two

4. Comment 5, revised plan page C-12, section 5.1: Procedures for calibrating monitoring equipment were asked for, however were not provided.

Responses to the above comments should be provided to the Department for approval before site investigation activities may proceed.

If you have any questions regarding this letter, please contact Lynn Nakashima of my staff at (510) 540-3839.

Sincerely,



Barbara J. Cook, P.E., Chief
Site Mitigation Branch

cc: Mr. Sum Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Wester Street, Suite 500
Oakland, California 94612

Ms. Susan Hugo
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