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March 18, 1994

Alameda County
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Suite 200
Oakland, CA 94621
Attn: Ms. Juliet Shin
Hazardous Materials Specialist

SUBJECT: CLOSURE REPORT, UNDERGROUND TANK REMOVAL, WEYERHAEUSER PAPER COMPANY, 1801 HIBBARD STR., ALAMEDA - SITE ID No. 1202

Dear Ms. Shin,

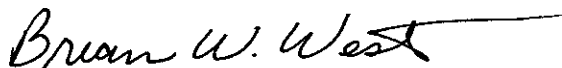
West & Associates Environmental Engineers, Inc. respectfully submits our closure report for the underground tank removal cited above. The enclosed report includes copies of transport manifests, tank disposal certificates and laboratory report forms.

We have concluded that the small amount of diesel contaminated soil observed in the tank pit was completely remediated by excavation. There is no evidence of any remaining diesel contamination. Groundwater monitoring (sample collection date: February 3, 1994) detected no diesel contamination in any site wells. Groundwater monitoring for diesel will continue for the foreseeable future.

We are presently in the process of finalizing our report describing recent site investigation activity related to the tank cluster removed in 1991. Due to site soil characteristics, our analytical laboratory encountered technical problems delaying the completion of soil sample analyses. We have now received final soil sample results and anticipate submitting our report of findings in early April.

Should you require any additional information, please contact me at (707) 451-1360.

Yours truly,



Brian W. West PE
Registered Civil Engineer CA 32319 (expires 12/3/96)
West & Associates Environmental Engineers, Inc.
BWW/es
Enclosure: Closure Report

cc: Jennifer Strachan, Office of the Environment - Tacoma
John Hipner, Weyerhaeuser Paper Company - Alameda

CLOSURE REPORT

UNDERGROUND STORAGE TANK REMOVAL

**WEYERHAEUSER PAPER COMPANY
1801 Hibbard Str.
Alameda**

Prepared for:

**THE WEYERHAEUSER PAPER COMPANY
Alameda**

Submitted to:

**ALAMEDA COUNTY
HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
Oakland**

Prepared by:

**WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.
Vacaville**

March 1994

INTRODUCTION

This report presents results of an underground fuel storage tank removal at the Weyerhaeuser Paper Company facility, 1801 Hibbard Str., in Alameda, California. The scope of the project included:

- Obtaining required permits from Alameda County and City
- Pump out and removal of tank contents
- Exposure of the tank top for inspection and inerting
- Removal of the tank for transport to proper disposal
- Collection of soil samples in accordance with Alameda County requirements
- Analysis of soil samples in a DHS certified testing laboratory
- Disposal of diesel contaminated soil
- Site restoration: excavation backfill and repavement
- Preparation and submittal of a written closure report

Each of the tasks listed above is described in the following paragraphs.

TANK REMOVAL PERMIT

An underground tank removal permit application was filed with the Alameda County Department of Environmental Health, Hazardous Materials Division. A removal permit was issued on January 5, 1994. Site ID No. 1202 was assigned to this permit. A copy of the tank removal permit application is presented in the appendix.

A permit was also obtained from the City of Alameda. That permit, No. B93-1824, was issued on January 3, 1994. A copy of the City of Alameda permit application is presented in the appendix.

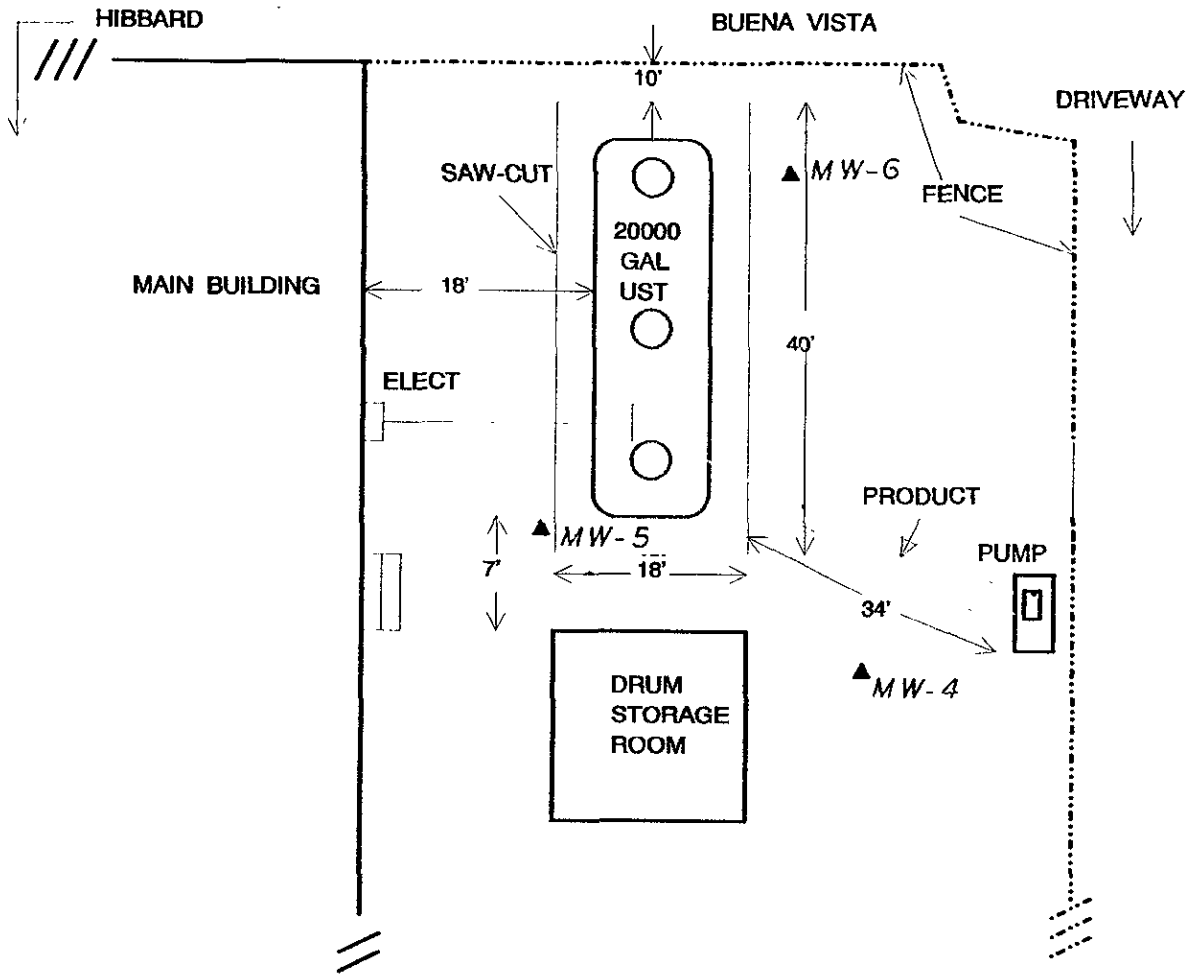
REMOVAL OF TANK CONTENTS

The underground tank was used to store boiler standby fuel. At the time of the removal project, the tank was less than one quarter full. Arrangements were made to remove all the fuel in the tank for recycling. A total of 4,600 gallons of boiler fuel was pumped from the tank by Allied Oil & Pumping and transported to Refinery Services in Patterson for fuel blending.

20,000-gallon UST

EXPOSURE OF TANK TOP AND PIPING

The pavement and overburden covering the tank top was removed on January 12 and 13, 1994. No obvious soil contamination was observed while exposing the tank top. Pavement and overburden overlying the remote fill and dispenser lines was removed on January 12, 1994. No obvious fuel contamination was present, however it was observed that rubble, including pieces of asphalt, had been used to backfill the piping trench. Figure 1 illustrates the pavement removed.



PARTIAL PLOT PLAN

WEYERHAEUSER FACILITY
1801 HIBBARD STREET
ALAMEDA, CALIF. 94501
DECEMBER 8, 1993

FIGURE 1

SCOPE OF WORK

- A. Saw-cut, remove, dispose concrete at UST and elect & product lines. Replace after removal
- B. Remove UST, piping & dispenser, proper disposal. Backfill and compact as needed.
- C. Cut-back & cap electrical and plumbing.

DRW WEYER

D Escover

WEYERHAEUSER PAPER COMPANY, ALAMEDA - TANK CLOSURE REPORT, Page 3

Excavation of backfill surrounding the tank ends and sidewalls was performed on January 13, 1994. A small pocket of contaminated backfill was encountered at the south tank end. The source of the contamination was not obvious since no thru tank fittings were present nearby. Obviously contaminated backfill extended to approximately 5 feet BGS and was estimated to be less than 3 yd³ in extent.

On the afternoon of January 13, 1994, 400 pounds of dry ice was placed in the tank to displace any combustible vapors. The atmosphere inside the tank was measured with a gas tech combustible vapor instrument and found to be below the lower explosive limit. The City of Alameda, Fire Department inspected the tank and authorized its removal.

TANK REMOVAL

On January 13, 1994 the tank was removed from the site. All underground fill and dispensing pipe lines were also removed. Alameda County Inspector Ms. Juliet Shin witnessed the tank removal. Inspection of the tank after removal revealed no visible holes, cracks or other potential leak points. The tank was transported to Erickson, Inc. in Richmond for recycling. Transportation was conducted under manifest No. 92745089. A copy of the manifest and certificate of destruction is included in the appendix.

SOIL SAMPLING

Besides the pocket of diesel contamination observed at the south tank end, it was observed that a thin layer of grey discoloration was present at about 7 feet BGS on the north pit wall. A soil sample from the discolored layer was collected with a hammer driven core sampler. The soil sample had a noticeable gasoline odor. Field analysis with a PhotoVac MP 1500 PID resulted in a total organic headspace concentration of 60 PPM. It is concluded that the soil contamination observed on the north tank pit wall resulted from gasoline migrating from a former underground tank cluster 40 feet north.

A total of three soil samples were collected from the tank pit bottom (14 feet BGS) and one each from the product and fill piping trench. All soil samples were collected under the supervision of the Alameda County Inspector. Soil sample locations and ID names are indicated on Figure 2.

Undisturbed soil samples were collected with a hammer driven brass sampling tube. Pit bottom samples were collected from soil raised to ground level in a backhoe bucket. Samples were immediately capped, sealed, labeled, entered on a chain of custody form and then hand delivered to Coast to Coast Laboratories for analysis. All samples were kept chilled until laboratory delivery.

WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville, California 95696

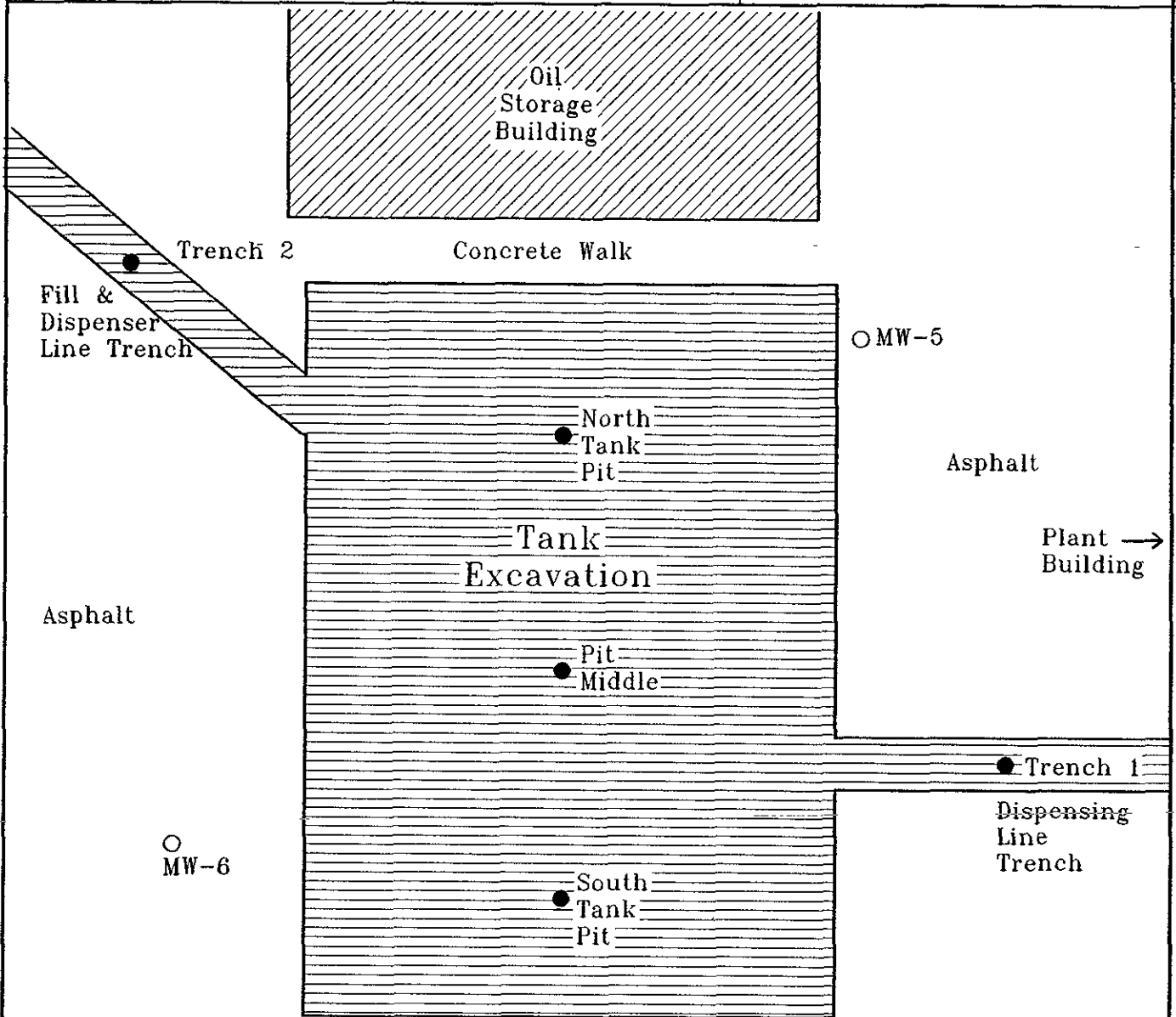
Project Name: Weyerhaeuser Alameda Tank Removal

Date: March 1994

Location: Northwest corner by railroad tracks

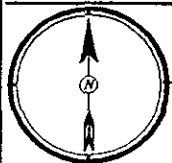
Drawing By: BWW

Scale: 1" = 20'



Note: Tank pit bottom samples collected at approximately 14 feet BGS

Buena Vista Street →



LEGEND

- Existing Groundwater Monitoring Well
- Soil Sample Location

Figure 2

WEYERHAEUSER PAPER COMPANY, ALAMEDA - TANK CLOSURE REPORT, Page 5

Due to site constraints, on January 13, it was necessary to place some tank backfill temporarily back in the pit. On January 14, 1994, all backfill was excavated from the pit, placed on visqueen, covered and temporarily stored on site. Due to the shuffling of soil, the 3 yd³ of contaminated soil removed from the south tank end became blended with the total quantity of backfill removed from the pit. A total of approximately 75 yd³ of soil was removed.

Four soil samples were collected from the soil stockpile as indicated on Figure 3. The samples were delivered to Coast to Coast Laboratories where they were composited for analysis.

SOIL SAMPLE ANALYSIS

All tank pit and pipe trench soil samples were analyzed for total petroleum hydrocarbons in the diesel range, benzene, toluene, xylene and ethyl benzene. Sample results were non-detectable for all constituents.

The composite soil sample from the tank backfill was found to contain 23 PPM TPH as diesel. No BTXE compounds were detected.

Copies of the original laboratory report forms indicating minimum detection limits for all constituents are included in the appendix. Coast to Coast Analytical is certified by the State Department of Health Services for analyses performed.

SOIL DISPOSAL

The 75 yd³ of excavated tank backfill was transported to Redwood Sanitary Landfill in Novato for disposal on February 10, 1994. Copies of the Bill of Ladings for all 5 15 yd³ loads are included in the appendix.

GROUNDWATER

There are three existing groundwater monitoring wells surrounding the tank pit as indicated on Figures 1 and 2. Static water levels at the time of the removal were approximately 8 feet BGS.

Immediately following the tank removal a small quantity of groundwater was observed in the pit. The quantity present was insufficient to collect a representative sample. Diesel product was visible floating on the impounded water.

Within 48 hours groundwater infiltrated the pit to the levels measured in adjacent groundwater monitoring wells. A petroleum sheen was visible. On February 3, 1994, groundwater samples were collected from the three wells surrounding the tank pit. All were found to be non-detectable for diesel contamination.

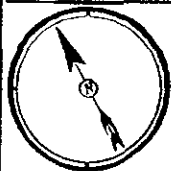
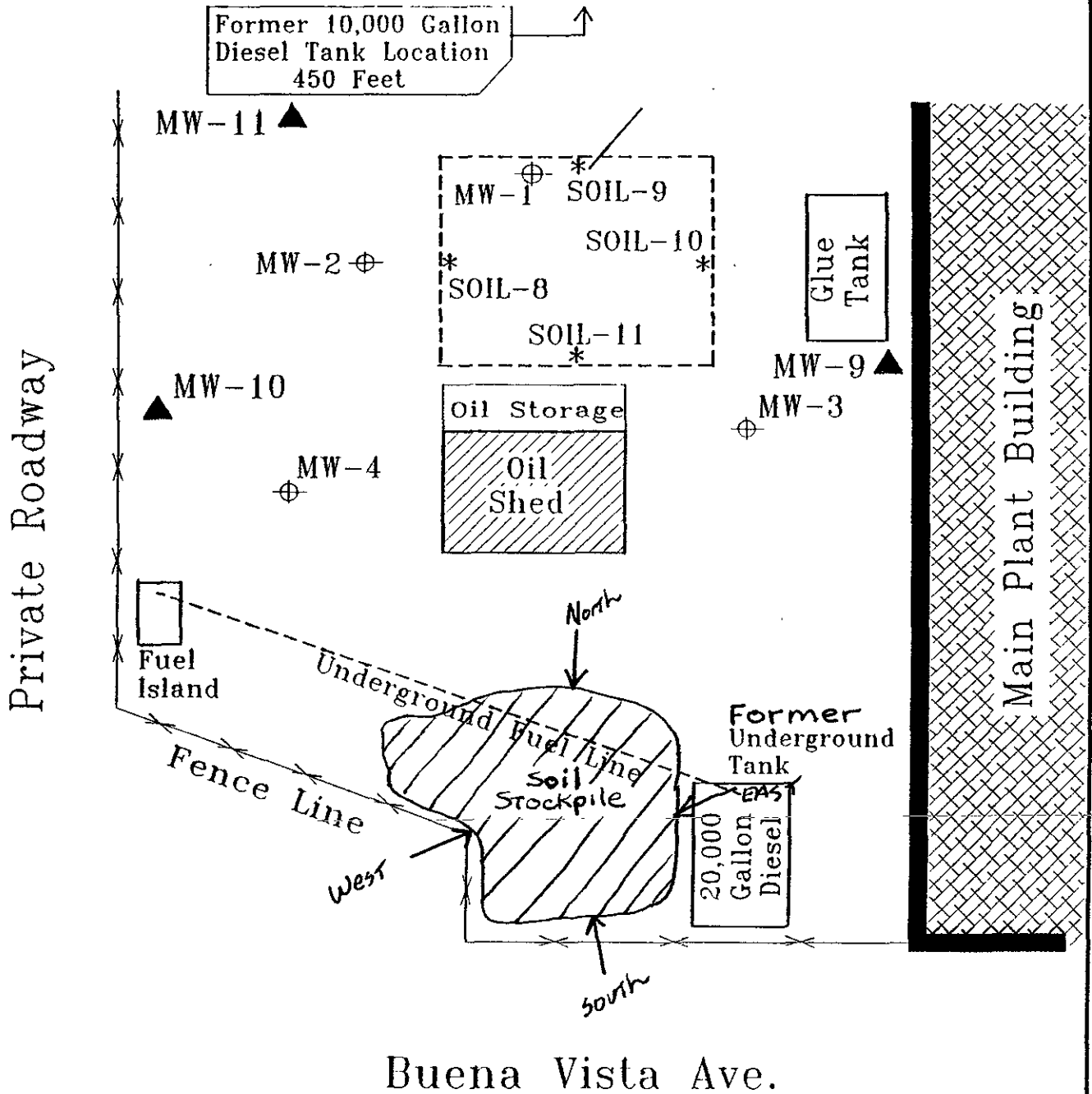
WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville, California 95696

Project Name: Weyerhaeuser - Alameda 70288.01

Location: 1801 Hibbard Str., Alameda, CA 94501

Drawing By: BWW Date: Nov., 1993 Scale: 1" = 20'



LEGEND

- ⊕ Existing Well
- ▲ Proposed Monitoring Well Location
- Soil Sample Location

Figure 3

SITE RESTORATION

After receipt and evaluation of soil sample results, Alameda County was verbally notified that the tank excavation was to be backfilled. Self compacting pea gravel was placed up to the level of the water line; ie from 12 to 8 feet BGS. Above 8 feet BGS the pit was filled with imported clean soil. No excavated material was replaced in the pit.

Following proper compaction, the pit and piping trench's were finished by placing 6 inches of basecourse and 4 inches of asphalt pavement.

SUMMARY

On January 13, 1994, a 20,000 gallon underground fuel tank and associated underground piping was removed from the Weyerhaeuser Paper Company plant at 1801 Hibbard Str. in Alameda. The tank was removed under permits issued by both Alameda County and the City of Alameda. Site ID No. 1202 was assigned to this permit. Prior to transport the tank was inerted, as verified by a City of Alameda Fire Department Inspector.

The tank removal was observed by an inspector from the Alameda County Environmental Health Department, Hazardous Materials Division. The tank and piping were found to be in good condition with no visible holes or cracks. A small quantity (3 yd³) of soil contamination was observed high on the south tank end.

Analyses of soil samples collected from the pit and piping trench bottom detected no petroleum hydrocarbons. Minor (23 PPM) TPH-diesel contamination was detected in excavated backfill. All excavated soil was transported to the Redwood Sanitary Landfill in Novato for proper disposal.

The tank pit has been backfilled and repaved. Groundwater monitoring of existing wells at the site will continue for the foreseeable future.

It is concluded that the small quantity of diesel encountered at the south tank end was successfully remediated by excavation. No other environmental impacts from the 20,000 gallon diesel were observed.

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

JAN 05 1984

The Department must witness removal of all Under-
ground Tanks, and all State and County Requirements
first be met.

By CP [Signature] Date 1-3-84

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name Weyerhaeuser Paper Company
Business Owner Weyerhaeuser Paper Company
 2. Site Address 1801 Hibbard St.
City Alameda Zip 94501 Phone 510-814-1160
 3. Mailing Address P.O. Box Drawer X
City Alameda Zip 94501 Phone 510-814-1160
 4. Land Owner Weyerhaeuser Paper Company
Address 1801 Hibbard St. City, State Alameda, CA Zip 94501
 5. Generator name under which tank will be manifested Weyerhaeuser
- EPA I.D. No. under which tank will be manifested CAL000045154

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name Weyerhaeuser Paper Company
Business Owner Weyerhaeuser Paper Company
 2. Site Address 1801 Hibbard St.
City Alameda Zip 94501 Phone 510-81 -11 0
 3. Mailing Address P.O. Box Drawer X
City Alameda Zip 94501 Phone 510-814-1160
 4. Land Owner _____
Address _____ City, State _____ Zip _____
 5. Generator name under which tank will be manifested _____
Weyerhaeuser
- EPA I.D. No. under which tank will be manifested CAL000045154

6. Contractor 941 Berryessa Road, Suite D
Address San Jose, CA 95133 Phone 408-453-1660
City ENG A/HAZ ID# 599864
License Type

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant West & Associates
Address P.O. Box 5891
City Vacaville, CA 95696 Phone 707-451-1360

8. Contact Person for Investigation
Name Mike Bourassa Title Environ. Supervisor
Phone 510-814-1160

9. Number of tanks being closed under this plan one
Length of piping being removed under this plan less than 40'
Total number of tanks at facility one

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 Allied Oil & Pumping EPA I.D. No. CAT080014277
Hauler License No. 2477 License Exp. Date 7-31-94
Address P.O. Box 32128
City San Jose State CA Zip 95152

b) Product/Residual Sludge/Rinsate Disposal Site

4600 gal
Name Refinery Services EPA I.D. No. CAD083166728
Address 13331 North Highway 33
City Patterson State CA Zip 95363

Name All Chemical Disposal, Inc. EPA I.D. No. CAD982492399
Hauler License No. 2914 License Exp. Date Nov. 1994
Address 941 Berressa Road, Suite D
City San Jose State CA Zip 95133

d) Tank and Piping Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD009466392
Address 255 Parr Boulevard
City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Brian West
Company West & Associates
Address P.O. Box 5891
City Vacaville State CA Zip 95696 Phone 707-451-1360

12. Laboratory

Name Coast to Coast Analytical
Address 2059 Junction Ave.
City San Jose State CA Zip 95131
State Certification No. 1204

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

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

400 lbs of Dry Ice to be inserted into tank after tank has been pumped

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, groundwater, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
20,000	Diesel for Boiler	Soil Groundwater (if encountered)	Beneath Tank 1 to 2 feet below backfill/native soil interface from groundwater in the excavation

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) 100 yd ³	Sampling Plan One sample for 20 yd ³

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
Diesel		Soil TPH Diesel 3550 BTX&E 8020 Water TPH Diesel GCFID (3510) BTX & E 602 or 624	As required for DHS Certified Laboratories

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

Name of Insurer Golden Eagle Insurance Company

19. submit P1ct 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) Dave Escobar

Signature 

Date 12-13-93

Signature of Site Owner or Operator

Name (please type) for Weverhaeuser Paper Company, Steve A. Mindt

Signature 

Date 12/13/93

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



COMPLETE THIS FORM FOR EACH FACILITY/SITE

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

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

DBA OR FACILITY NAME Weyerhaeuser Paper Company		NAME OF OPERATOR Weyerhaeuser Paper Company				
ADDRESS 1801 Hibbard Street		NEAREST CROSS STREET Buena Vista	PARCEL # (OPTIONAL)			
CITY NAME Alameda		STATE CA	ZIP CODE 94501	SITE PHONE # WITH AREA CODE 510-814-1160		
<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 type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY						
TYPE OF BUSINESS		<input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input checked="" type="checkbox"/> 4 PROCESSOR <input type="checkbox"/> 5 OTHER		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE one	E. P. A. I. D. # (optional) CAL000045154

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) Smith, Floyd		PHONE # WITH AREA CODE 510-814-1160		DAYS: NAME (LAST, FIRST) Mindt, Steve		PHONE # WITH AREA CODE 510-523-6121	
NIGHTS: NAME (LAST, FIRST) Mindt, Steve		PHONE # WITH AREA CODE 510-523-6121		NIGHTS: NAME (LAST, FIRST) Bourassa, Michael		PHONE # WITH AREA CODE 510-814-1160	

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME Weyerhaeuser Paper Company		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 1801 Hibbard Street		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME Alameda		STATE CA	ZIP CODE 94501	PHONE # WITH AREA CODE 510-814-1160

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER Weyerhaeuser Paper Company		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS 1801 Hibbard Street		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input checked="" type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME Alameda		STATE CA	ZIP CODE 94501	PHONE # WITH AREA CODE 510-814-1160

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 739-2582 if questions arise.

TY (TK) HQ **44** -

V. 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

APPLICANT'S NAME (PRINTED & SIGNATURE) David Escover <i>David Escover</i>	APPLICANT'S TITLE Contractor	DATE 12-10-93
---	--	-------------------------

LOCAL AGENCY USE ONLY

COUNTY # <input type="text"/> <input type="text"/>	JURISDICTION # <input type="text"/> <input type="text"/> <input type="text"/>	FACILITY # <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
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.

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: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D.# <u>unknown</u>	B. MANUFACTURED BY: <u>unknown</u>
C. DATE INSTALLED (MO/DAY/YEAR) <u>unknown</u>	D. TANK CAPACITY IN GALLONS: <u>20,000</u>

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

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input checked="" type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED
<input checked="" type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input checked="" type="checkbox"/> 3 DIESEL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 4 GASAHOL
			<input type="checkbox"/> 5 JET FUEL
			<input type="checkbox"/> 6 AVIATION GAS
			<input type="checkbox"/> 7 METHANOL
			<input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)

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	B. TANK MATERIAL (Primary Tank)	C. INTERIOR LINING
<input type="checkbox"/> 1 DOUBLE WALL	<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 1 RUBBER LINED
<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 2 ALKYD LINING
<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 3 EPOXY LINING
<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC	<input type="checkbox"/> 4 PHENOLIC LINING
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 5 GLASS LINING
	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 6 UNLINED
	<input type="checkbox"/> 7 ALUMINUM	<input checked="" type="checkbox"/> 95 UNKNOWN
	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE W/FRP	<input type="checkbox"/> 99 OTHER
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL
	<input type="checkbox"/> 95 UNKNOWN	
	<input type="checkbox"/> 99 OTHER	

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION	E. SPILL AND OVERFILL
<input type="checkbox"/> 1 POLYETHYLENE WRAP	SPILL CONTAINMENT INSTALLED (YEAR) _____
<input type="checkbox"/> 2 COATING	OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____
<input type="checkbox"/> 3 VINYL WRAP	
<input checked="" type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC	
<input type="checkbox"/> 5 CATHODIC PROTECTION	
<input type="checkbox"/> 91 NONE	
<input type="checkbox"/> 95 UNKNOWN	
<input type="checkbox"/> 99 OTHER	

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

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

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input checked="" 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 type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) <u>12-10-93</u>	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING <u>0</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>David Escover</u>	DATE <u>12-10-93</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

State of California

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

ALL CHEMICAL DISPOSAL INC



to engage in the business or act in the capacity of a contractor
in the following classification(s):

A - General Engineering Contractor



Witness my hand and seal this day,

August 16, 1990

Issued August 7, 1990

Signature of Licensee

David R. Phillips

Signature of License Qualifier

David R. Phillips
Registrar of Contractors

599864

License Number

This license is the property of the Registrar of Contractors, is not
transferable, and shall be returned to the Registrar upon demand
when suspended, revoked, or invalidated for any reason. It becomes
void if not renewed.

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD

DEPARTMENT OF
**Consumer
Affairs**

Building Quality



HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.



Qualifier: DAVID FRANCIS ESCOVER

License No.: 599864

Namestyle: ALL CHEMICAL DISPOSAL, INC.

WITNESS my hand and official seal this
4TH day of OCTOBER, 1990

David R. Bellis
Registrar of Contractors

131.346 (7/88)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A3584

CERTIFICATE OF INSURANCE

06/18/93

PRODUCER
MICOR INSURANCE BROKERS, INC.
 2025 Gateway Place #119
 San Jose, CA
 95110-
 PHONE 408-453-8222

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFECT, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

- COMPANY LETTER A COMMERCE & INDUSTRY
- COMPANY LETTER B NATIONAL UNION
- COMPANY LETTER C GOLDEN EAGLE INSURANCE COMPANY
- COMPANY LETTER D
- COMPANY LETTER E

INSURED
All Chemical Disposal, Inc.
 941 Berryessa Road, Suite 0
 San Jose, CA
 95133

COVERAGES (.....)
 THIS IS TO CERTIFY THAT POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED BY WHATEVER, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL TERMS, EXCLUSIONS, AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTY	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFF DATE	POLICY EXP DATE	ALL LIMITS IN THOUSANDS	
					EACH OCC	AGGREGATE
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GEN LIABILITY <input type="checkbox"/> [X] CLAIMS MADE [] OCC. <input type="checkbox"/> OWNER'S & CONTRACTORS PROTECTIVE <input type="checkbox"/> <input type="checkbox"/>	6LCM3404393	12/01/92	12/01/93	GENERAL AGGREGATE	1000
					PROPS-COMP/OPS AGG.	1000
					PERS. & ADV. INJURY	1000
					EACH OCCURRENCE	1000
					FIRE DAMAGE (ANY ONE FIRE)	50
					MEDICAL EXPENSE (ANY ONE PERSON)	5
A	AUTOMOBILE LIAB <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY <input checked="" type="checkbox"/> Pollution Liab.	CA 2771560	12/01/92	12/01/93	CSL	5000
					BODILY INJURY (PER PERSON)	
					BODILY INJURY (PER ACCIDENT)	
					PROPERTY	
	EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM					
C	WORKERS' COMP AND EMPLOYERS' LIAB	PWC 227547-00	06/01/93	06/01/94	STATUTORY	
					1000	EACH ACC
					1000	DISEASE-POLICY LIMIT
					1000	DISEASE-EACH EMPLOYEE
B	OTHER POLLUTION LIABILITY	CPL 716-67-83 CLAIMS MADE	12/01/92	12/01/93	1000	EACH LOSS
					1000	TOTAL ALL LOSSE

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER (.....)

CANCELLATION (.....)
 * SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO DILIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.
 * AUTHORIZED REPRESENTATIVE

ACORD 25-S (3/88)

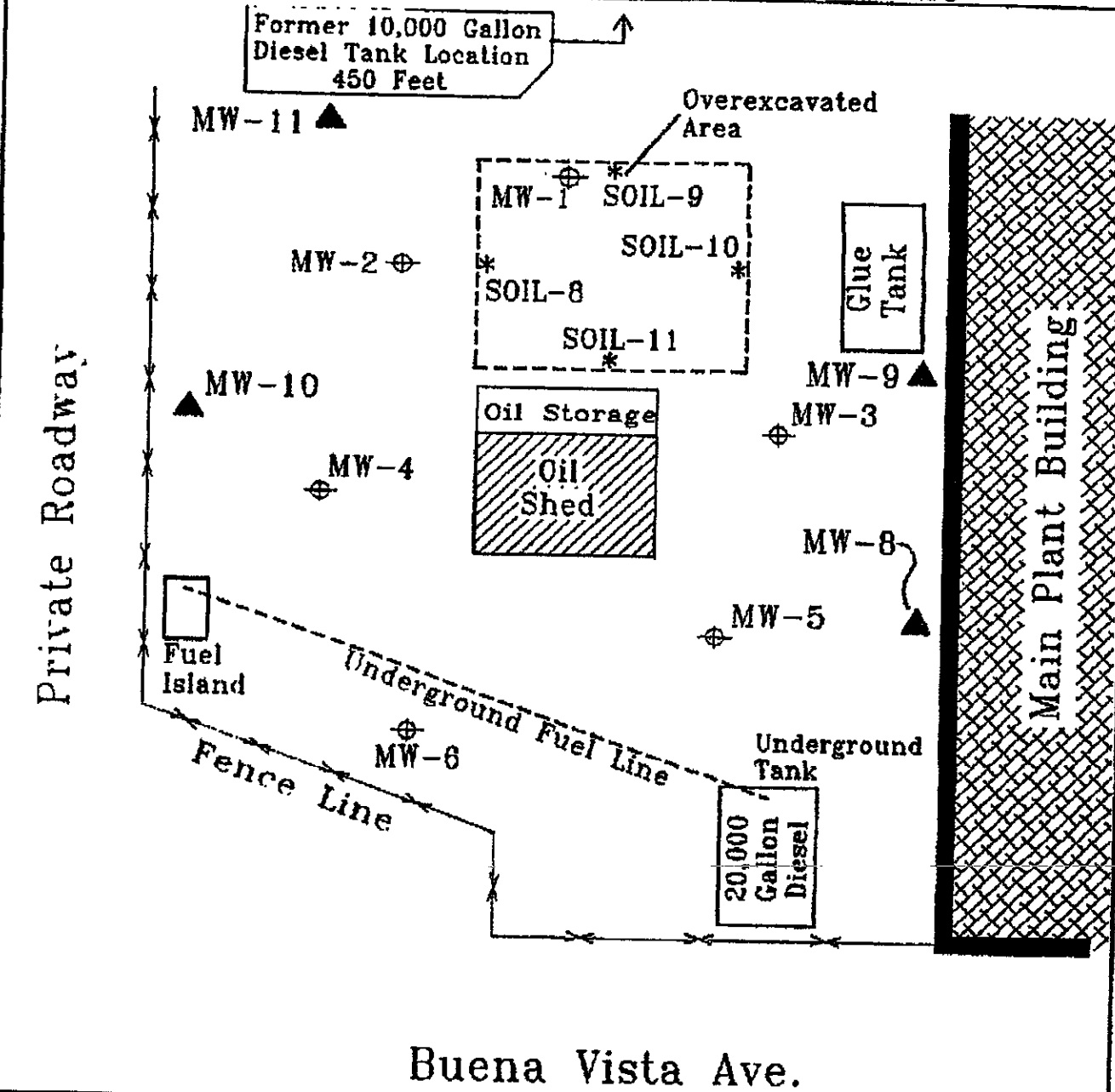
WEST & ASSOCIATES ENVIRONMENTAL ENGINEERS, INC.

PO Box 5891, Vacaville, California 95898

Project Name: **Weyerhaeuser - Alameda** | 70288.01

Location: **1801 Hibbard Str., Alameda, CA 94501**

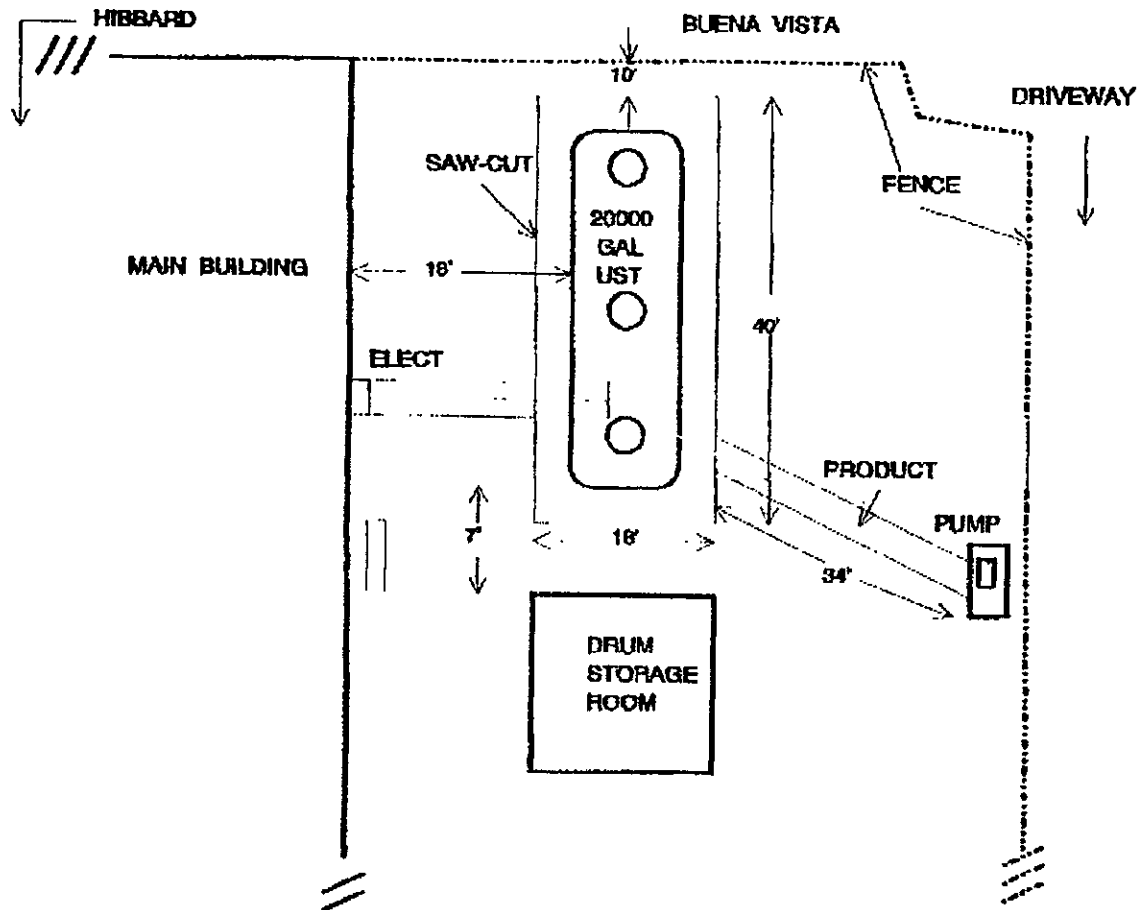
Drawing By: **BWW** | Date: **Nov., 1993** | Scale: **1" = 20'**



LEGEND

- ⊕ Existing Well
- ▲ Proposed Monitoring Well Location
- * Sidewall Soil Sample Location

Figure 4



PARTIAL PLOT PLAN

WEYERHAEUSER FACILITY
1801 HIBBARD STREET
ALAMEDA, CALIF. 94501
DECEMBER 8, 1993

SCOPE OF WORK

- A. Saw-cut, remove, dispose concrete at UST and elect & product lines. Replace after removal
- B. Remove UST, piping & dispenser, proper disposal. Backfill and compact as needed.
- C. Cut-back & cap electrical and plumbing.

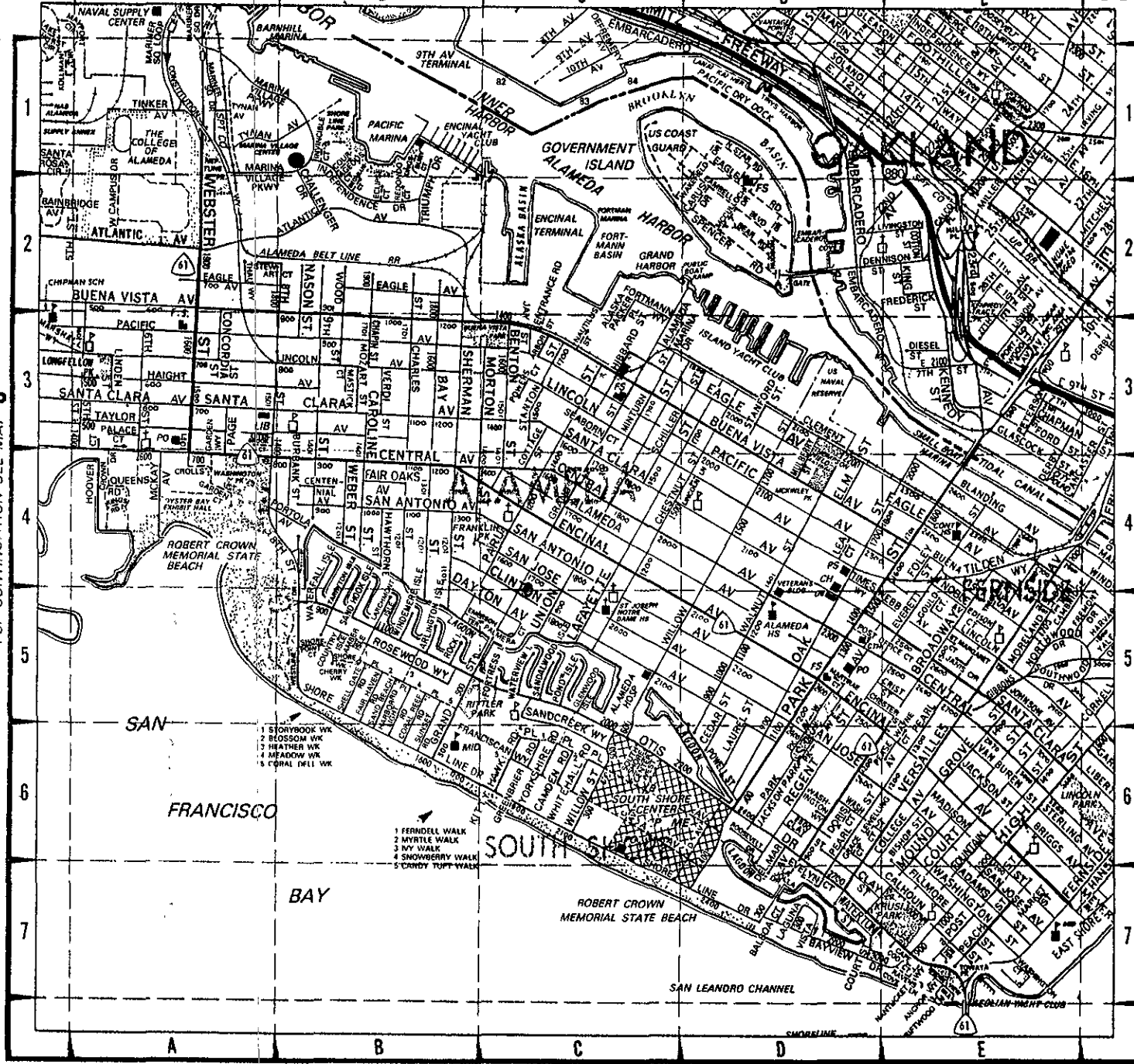
DRW WEYER

D Escobar

COPYRIGHT © 1993 BY Thomas Bros. Maps

FOR CONTINUATION SEE MAP 8

474,
472,
470,
464,
462,
460,



1,485, 1,488, FOR CONTINUATION SEE MAP 21 1,497, 1,500,

ALAMEDA CO.

FOR CONTINUATION SEE MAP 12

DETAIL

SITE SAFETY MEETING

PROJECT: 35514	DATE: TBA
CLIENT: Hansen & Associates	CONTACT: Michael Bourassa
LOCATION: 1801 Hibbard St., Alameda, CA 94501	

PROJECT DESCRIPTION:

Lab Pack Consolidation Sampling Tank Removal
 Decontamination Excavation Other: _____

EMERGENCY RESPONSE INFORMATION:

Client Emergency Number: -0-

Fire Department/EMT: 911

Local Medical Facility/Hospital: Alameda Hospital, 2070 Clinton Ave.

Evacuation Route: _____

Location of Safety Shower/Eye Wash? In tank area

SITE CHARACTERIZATION: (*More extensive site characterization required)

Unknown Situation*
 Confined Space Entry*
 Potentially Explosive Situation*
 IDLH Conditions*
 Oxygen Deficiency (<19.5%)*
 Potential exposure over TLV or PEL*
 Extremely/Acutely Hazardous Materials
 Chemical Hazards (circle as appropriate)
 Flammables Reactives Incompatibles Acids Bases Poisons
 Carcinogens Other: Combustibles

Physical Hazards (circle as appropriate)
 Heavy Objects Overhead Hazards Tripping/Falling Hazards
 Debris Other: _____

Other Hazards (circle as appropriate)
 Heat Stress Noise Equipment Operations
 Fire/Explosion Spills Other: _____

PERSONAL PROTECTIVE EQUIPMENT: (*Extensive site characterization required)

LEVEL A: Highest level of respiratory, skin, and eye protection required*
 LEVEL B: Level A respiratory protection; lower level skin protection required*
 LEVEL C: Level B skin protection; lower level of respiratory protection (air purifying respirator)
 LEVEL D: No respiratory protection required; minimal skin protection required

Respiratory Protection	Body Protection	Eye Protection	Hand Protection
<input type="checkbox"/> SCBA/SAR	<input checked="" type="checkbox"/> Cloth	<input checked="" type="checkbox"/> Safety Glasses	Inner Gloves
<input checked="" type="checkbox"/> Respirator (full/half)	<input type="checkbox"/> Tyvek suit	<input type="checkbox"/> Goggles	<input type="checkbox"/> Cotton
Cartridges: <u>organic</u>	<input type="checkbox"/> Poly-Tyvek	<input type="checkbox"/> Face Shield	<input checked="" type="checkbox"/> Latex
if needed	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	Outer Gloves
Other PPE Required:			<input checked="" type="checkbox"/> Leather
Steel toed boots			<input type="checkbox"/> Nitrile
			<input type="checkbox"/> Latex
			<input type="checkbox"/> Other:

PROJECT LEADER: Dave Escover

FIELD OPERATIONS PERSONNEL:

Reporting Accidents/Injuries/Illnesses

Any accident, injury, or illness which is related to on the job activity is to be reported to a supervisor immediately. The President, Vice-President, and designated personnel will investigate all incidents resulting in an accident, injury or illness. Based on the investigation, operating procedures, safe practices, and other activities may be modified, including, but not limited to this Health & Safety Plan.

Any accident, injury, or illness which may involve a workman's compensation insurance claim will be reported to the All Chemical Disposal, Inc. insurance carrier as soon as possible after the incident occurred.

Any incident resulting in lost time or death, will be reported to Cal/OSHA, as well as to the workman's compensation insurance company.

IV. PERSONAL PROTECTIVE EQUIPMENT (PPE) PROGRAM

Most All Chemical Disposal, Inc. projects involve working in hazardous situations. In those cases, personal protective clothing and equipment will be provided by All Chemical Disposal, Inc., at no cost to the employee. All PPE and clothing shall conform to American National Standards Institute (ANSI).

All Chemical Disposal, Inc. will ensure that the design & quality of PPE are adequate to fulfill its function prior to an item being purchased or used.

All Chemical Disposal, Inc. will evaluate the effectiveness of this PPE Program on at least an annual basis.

Supervisor responsibilities:

- No work shall be done until specified PPE is used,
- Setting example by wearing PPE,
- Equipping employees/visitors with appropriate PPE,
- Demonstrating proper use of PPE, and
- Requiring proper fitting, adjustment, maintenance of PPE and prompt replacement of PPE that is worn out or damaged

Selection of PPE

Personal protective equipment shall be selected and used, based on an evaluation of the performance characteristics of the PPE relative to the requirements and limitations of the site, the task specific conditions and duration, and the hazards and potential hazards identified at the site.

There are four levels of personal protection, depending upon the working conditions. These levels have been set up as Levels A, B, C, and D, with Level A equipment worn for the most hazardous working situation. Combinations of personal protective equipment other than those described for Levels A, B, C, and D protection, as outlined in Appendix A, may be more appropriate and may be used to provide the proper level of protection.

The level of protection provided by PPE selection shall be increased when additional information on site conditions indicates that increased protection is necessary to reduce employee exposures below permissible exposure levels for

hazardous substances and health hazards. Likewise, the level of protection provided may be decreased when additional information or site conditions show that decreased protection will not result in hazardous exposures to employees.

Medical Considerations

The use of PPE can often create significant worker hazards, such as heat stress, physical and psychological stress, and impaired vision, mobility and communication. Personal protection will be carefully selected to provide adequate protection. Over protection as well as under protection can be hazardous and will be avoided.

Before beginning any project, the project leader will discuss medical considerations such as heat stress, impaired mobility, etc., with employees before commencing work. Project leader will review signs and symptoms of exposure, heat stress, and other hazards related to the wearing of PPE.

Types of Personal Protective Equipment

All PPE is supplied and distributed to personnel requiring such protection. Any employee needing training in the proper use and fit of PPE will be provided such training by the project leader. It is the responsibility of the employees to maintain equipment as clean. All PPE that is not disposable is to be decontaminated after use, and stored such that it remains in good condition. Personnel of All Chemical Disposal, Inc. are issued safety bags, cleansing supplies, and plastic bags, etc., so that personal protection may be stored appropriately. All PPE must be inspected at least before and after each use. Equipment is to be repaired or replaced when it becomes defective or worn out.

Eye Protection

All Chemical Disposal, Inc. provides approved eye protection to all personnel working on operations requiring such protection. For operations requiring the use of safety glasses where glare or prolonged exposure to sunlight will hinder performance or safety, tinted safety glasses will be provided. Coverall type goggles or other approved protection will be provided for wear over personal prescription lenses when the exposure to eye hazards is for relatively short periods of time. Face shields are provided where there is a moderate risk of flying particulate or splashes of corrosive liquids. When the work environment involves exposure to chemical vapors, splashes, intense heat, or highly particulate matter, the use of contact lenses is restricted.

Contact lenses do not provide eye protection. For occupational use, contact lenses must be used in conjunction with appropriate safety glasses/goggles.

Eye protection should be stored so as to minimize scratching. Eye protection will be replaced as necessary when they become scratched.

Head Protection

All construction work areas and at locations where employees are exposed to injury from falling materials, protective hard hats meeting ANSI standards will be provided. Hard hats are to be replaced if they become cracked or contaminated such that they cannot be decontaminated.

Foot Protection

Steel toe safety shoes and/or boots are provided by All Chemical Disposal, Inc.. These shoes are to be worn when working in an operation where foot protection is required. Chemical resistant, steel toe boots are provided by All Chemical Disposal, Inc., and are to be worn as appropriate.

When shoes and/or boots show signs of wear such that exposure to chemicals is possible, they are to be put out of service, and a new pair purchased.

Body Protection

All Chemical Disposal, Inc., provides cloth coveralls and lab coats, as well as disposable tyvek and poly tyvek coveralls for body protection. Body protection is to be worn during all chemical operations. It is to be replaced whenever it is torn such that exposure is possible. Used, non-disposable clothing is to be placed in a specified location at All Chemical Disposal, Inc., for professional cleaning. Disposable clothing is to be discarded either in the regular trash, or managed as hazardous waste, depending upon the contamination of the clothing.

Other types of body protection will be provided by All Chemical Disposal, Inc., as required by the field operation.

Hand Protection

Gloves are to be worn during all field operations. All Chemical Disposal, Inc., provides leather, cloth, various poly/rubber gloves to personnel. Selection of the type of glove to be worn will be based on the type of potential exposure at the worksite. Project leaders will assist employees in selection of proper gloves. Gloves are to be replaced whenever ripped or as needed to prevent possible exposure.

Ear Protection

Noise with an intensity of greater than 85 dBA over time can produce permanent hearing impairment, a result of a combination of noise intensity and exposure time. The ear should never be exposed to noise greater than 115 dBA for any length of time.

Where reduction of noise at the source can not be achieved, individual hearing protection must be used. All Chemical Disposal, Inc. will provide disposable ear plugs to all employees requiring hearing protection. This type of protection should be discarded after each use.

If a higher level of hearing protection is required, it will be provided.

Respiratory Protection (OSHA, 29 CFR 1910.134)

Personal respiratory protection is provided to every All Chemical Disposal, Inc. employee wherever there is a risk of overexposure to a hazardous material that cannot be effectively controlled by means of local exhaust ventilation. Respiratory protection is to be obtained through All Chemical Disposal, Inc..

Medical Approval. Everyone desiring to be fit with a respirator must obtain a release from the All Chemical Disposal, Inc. selected physician. The release will certify that the employee does not have a physical condition that would preclude the employee's safe use of such equipment. The certification must be renewed annually.

Fit-Testing. All personnel requiring a respirator will be issued one for their personal use, following a formal fit test to ensure that the appropriate respirator has been issued to the employee. Fit test records will be maintained in the All Chemical Disposal, Inc. files.

Respirator Training. All personnel requiring use of a respirator will be trained in the use and limitations of respirators, as well as inspection and sanitation of the respirator. The outline for respirator training is included as Appendix B.

User Liability. Employees are responsible for the proper use and care of the respirator that has been issued to them. A short training session is given to the user when the respirator is issued. At that time the user is instructed on proper fit, cleaning and storing of the respirator.

OSHA has very specific rules governing the use of respirators. Failure of the employee to observe the proper practices could result in serious consequences to the employee and All Chemical Disposal, Inc..

Filter cartridges on the respirator are designed to remove specific chemical contaminants from the breathing air. Each type of filter is color coded and identified as to its intended application. The user must verify that the proper cartridges are on the respirator before being used.

The respirator will NOT provide its rated level of protection when used with facial hair. An attempt to do so is in violation of OSHA standards.

The respirator is issued as a personal protective device, intended for the exclusive use of the person to which it was issued. The respirator should be replaced when it becomes soiled with a material that cannot be removed with soap and water or when it becomes damaged.

Supplied Air Respirators. Safe use of supplied air respirators such as a SCBA requires the user to have special training (provided in the 40-hour OSHA training) and to meet physical fitness standards.

Decontamination Procedures

Whenever disposable PPE has been used, it is to be disposed of as municipal waste or hazardous waste, depending upon the contamination on the equipment.

Reusable PPE should be cleaned after each use. It should be inspected after cleaning to ensure that it is in good condition when it will be required again. If any type of reusable PPE cannot be sufficiently decontaminated/cleaned, it is to be put out of service and handled as appropriate.

Additional decontamination procedures will be project specific and will be outlined as necessary in the Site Safety Meetings.

V. HAZARDS COMMUNICATION

Each employee at All Chemical Disposal, Inc. has the right to know the relative hazards with the materials which they work. The Hazards Communication Plan is designed to provide guidance and training to employees who work with potentially hazardous materials.

An ongoing inventory of all chemicals used by the company will be maintained. It will be designed to track materials as they come on-site and as they leave or are consumed. This includes any waste that may come onto the site in the future). Then inventory is required to accurately assess the operations for hazardous materials and for employee training.

Hazardous Material Identification

All chemicals used by employees must be identified and classified as to the relative hazard as rated by OSHA's list of hazardous materials.

Material Safety Data Sheet (MSDS)

The MSDS is the form used to provide the employee with information about a hazardous material. Every supplier of chemicals is required to provide customers with a copy of their MSDS. A central file of MSDSs for chemicals maintained by All Chemical Disposal, Inc. is maintained in the office.

The manufacturer's original warning label on a chemical container must be legible at all times. Containers not originally supplied by the manufacturer must be labeled with a warning message in compliance with 29 CFR 1910.1200d.

Hazard Communication Training for Employees

Employees working with chemicals must have been enrolled in chemical safety training courses that teach the following

- Provision of hazard communication standard
- Hazardous materials in the workplace
- Location of written plans and MSDS
- Methods of detecting release of hazardous materials
- Health effects of over exposure to materials
- Protective measures used to limit exposure

VI. MEDICAL SURVEILLANCE PROGRAM

All new employees working with hazardous materials and/or waste will receive a complete physical examination by a physician chosen by All Chemical Disposal, Inc.. The physical examination will include, but not be limited to, general health exam, chest examination, lung capacity, urinalysis, blood analysis. The physician must give a medical release for the employee to use a respirator.

All permanent employees who regularly work with hazardous chemicals and/or waste will receive an annual physical examination, including the medical release for respirator use.

Any employee who in a hazardous situation in which the employee may have been exposed to a hazardous material will be given the opportunity to go to an All

Chemical Disposal, Inc. approved physician for medical observation and/or treatment at no cost to the employee. The decision to seek medical attention may be the employee or All Chemical Disposal, Inc. management. However All Chemical Disposal, Inc. management will not deny the right of an employee who believes medical attention is required. The physician is required to provide a written report to All Chemical Disposal, Inc. related to the specific incident for which the employee sought medical attention.

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 09187

CUSTOMER	ALL CHEM
JOB NO.	83821

FOR: Erickson, Inc. 12859 TANK NO. _____

LOCATION: Richmond DATE: 01/17/94 TIME: 12:29:10

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT D

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 20000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%
LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

KA REPRESENTATIVE TITLE INSPECTOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA120000145151745161519		Manifest Document No. 101		2. Page 1		Information in the shaded areas is not required by Federal law			
3. Generator's Name and Mailing Address WEYERHAEUSER PAPER CO, 1801 HILBARD ST. ALAMEDA CA. 94501						92745089					
4. Generator's Phone (510) 814-1160											
5. Transporter 1 Company Name ERICKSON INC			6. US EPA ID Number CA1010101941161962								
7. Transporter 2 Company Name			8. US EPA ID Number								
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, Ca. 94801						10. US EPA ID Number 1949099466392					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.						12. Containers		13. Total Quantity		14. Unit Wt/Vol	
						No. Type		Quantity		Wt/Vol	
						010V T P		2100010		P	
b.											
c.											
d.											
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name <u>ERNESTO JACINTO</u> & Phone <u>570 814 1155</u>											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name <u>ERNESTO JACINTO</u>				Signature <u>[Signature]</u>		Month Day Year <u>1/13/94</u>		Month Day Year <u>01/13/94</u>			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name <u>RICH POLLASTRINI 2125</u>				Signature <u>[Signature]</u>		Month Day Year <u>01/13/94</u>		Month Day Year <u>01/13/94</u>			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature		Month Day Year		Month Day Year			
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.											
Printed/Typed Name <u>DAVID SATO</u>				Signature <u>[Signature]</u>		Month Day Year <u>01/13/94</u>		Month Day Year <u>01/13/94</u>			

DO NOT WRITE BELOW THIS LINE.

CITY OF ALAMEDA
 CENTRAL PERMITS OFFICE
 2265 Santa Clara Ave. Room 204
 Alameda, CA 94501

Permit No: B93-1824
 Status: APPROVED

Page 1 of 1
 01/04/94 11:39

JOB ADDRESS : 1801 HIBBARD ST
 PERMIT TYPE : COMMERCIAL BUILDING PERMIT
 Parcel number : 072 -0326-001-02
 Owner : MEYERHAEUSER CU
 P O DRAWER X
 ALAMEDA CA 94501

Applied : 12/23/93
 Approved : 01/04/94
 Final :
 Expired :
 Class code : 629
 Valuation: 19,350

HOURS OF CONSTRUCTION

Applicant : ALL CHEMICAL DISPOSAL INC MUNDAY - FRIDAY 7 A.M. TO 7 P.M.
 941 BERRYESSA RD., SUITE 0 SATURDAY & SUNDAY 8 A.M. TO 5 P.M.
 SAN JOSE, CA 95133
 408-453-1660

Project Title : UNDERGROUND TANK REMOVAL
 Project Desc. : UNDERGROUND TANK REMOVAL

Rated
 Signature

CONTRACTOR : ALL CHEMICAL DISPOSAL INC License # 542984 408-453-1660
 941 BERRYESSA RD., SUITE 0
 SAN JOSE, CA 95133

Fee description	Units	Fee/Unit	Ext fee	Data
Permit Filing Fee			11.40	Y
Building Permit Fee			227.70	.
Assembly Bill 941			5.00	Y
S.N.I.P.			4.06	Y
Improvement Tax (Enter 'Y')			193.50	Y
Fire Dept. (Enter Amount)	180.00		180.00	
Micro-fiche Fee	29.90		29.90	
BUSINESS LICENSE FEE	56.00		56.00	
*** Fees Required ***			Fees Collected & Credits	***

Account No.	Receipt No.	Date	Payment
001-300-4240-3745	R9305237	12/23/93	11.40
001-300-4220-3340	R9305237	12/23/93	227.70
001-300-4240-3305	R9305237	12/23/93	5.00
001-220-0000-2239	R9305237	12/23/93	4.06
271-300-0000-3306	R9305237	12/23/93	180.00
164-300-0000-3225	R9305237	12/23/93	193.50
001-300-4240-3792	R9305237	12/23/93	29.90
001-300-2430-3310	R9305237	12/23/93	56.00
Fees:	707.56		
Adjustments:	.00		
Total Fees:	707.56	Total Credits:	.00
		Total Payments:	707.56
		Balance Due:	.00

FOR INSPECTIONS CALL: BUILDING 748-4564 (8:30-10:00 A.M.)
 PLUMBING & MECHANICAL 748-4563 (8:30-10:00 A.M.)
 ELECTRICAL 748-3995 (8:00-10:00 A.M.)
 OR 748-3996 (8:00-10:00 A.M.)

THIS CARD MUST BE POSTED ON THE PREMISES AND
PLACED SO AS TO BE SEEN FROM THE STREET

City of Alameda

DATE 1/4/94 VALUATIONS 19,350 - BLDG. PERMIT # 93-1824 ELEC. PERMIT # _____
MECH. PERMIT # _____
PLBG. PERMIT # _____

FORMS _____
REQUIRED BEFORE POURING CONCRETE

JOB Underground Sink Removal
ADDRESS 1801 Shiloh St.

Vault Toilet _____
PRELIMINARY GROUND PLUMBING _____

OWNER Weyerhaeuser Co.
CONTRACTOR All Chemical Specialties

ROBERT L. WARNICK BY _____
BUILDING OFFICIAL
INTERIOR LATH _____
REQUIRED BEFORE PLASTERING OR TAPING

FINAL GROUND PLUMBING _____

EXTERIOR LATH _____
REQUIRED BEFORE STUCCO

ROUGH ELECTRIC _____

DESIGN REVIEW _____
INSULATION CERTIFICATE _____

ROUGH PLUMBING _____

TRACT CONDITIONS _____
P.U.D. CONDITIONS _____

ROUGH HEATING & VENTILATING _____

FINAL ELECTRIC _____

SUB FLOOR _____

FINAL - FIRE DEPT. _____
FINAL PLUMBING _____

FRAME _____

FINAL HEATING & VENTILATING _____

INSULATION _____

FINAL BUILDING _____

ABOVE APPROVALS REQUIRED BEFORE INTERIOR LATHING OR COVERING DO NOT CALL FOR FINAL INSPECTION UNTIL OTHER ITEMS HAVE BEEN ISSUED

DO NOT OCCUPY STRUCTURE UNTIL CERTIFICATION OF OCCUPANCY HAS BEEN ISSUED.
FOR CERTIFICATE OF OCCUPANCY TO BE ISSUED, A COPY OF HARD CARD WITH ALL FINALS
NEEDS TO BE FILED WITH THE CENTRAL PERMIT OFFICE.

REMARKS _____

FOR INSPECTIONS CALL 24 HOURS IN ADVANCE:
ELECTRICAL — 748-3995 OR 748-3996 (8:00-10:00 A.M.)
PLUMBING & MECHANICAL — 748-4563 (8:30-10:00 A.M.)
BUILDING — 748-4564 (8:30-10:00 A.M.)

141 Suburban Road
751 S. Kellogg, Suite A
6006 Egret Ct.
2400 Cumberland Dr.
4765 Calle Quetzal
340 County Road No. 5

San Luis Obispo, CA 93401
Goleta, CA 93117
Benicia, CA 94510
Valparaiso, Indiana 46383
Camarillo, CA 93012
Westbrook, ME 04092

(805) 543-2553 FAX (805) 543-2685
(805) 964-7838 FAX (805) 967-4386
(707) 747-2757 FAX (707) 747-2765
(219) 464-2389 FAX (219) 462-2953
(805) 389-1353 FAX (805) 389-1438
(207) 874-2400 FAX (207) 775-4029

PLEASE PRINT IN PEN

Client West & Associates Contact Brian West Phone # (707) 451-1360 FAX # ()
 Address 112 Pepperell Ct City Vacaville State CA Zip 95688
 Project Name/Number: Weyerhaeuser Alameda Tank Removal Project MGR _____
 Bill (If different than above) Same Address _____
 Sampler (Print and sign) BWU Brian West Due Date Standard Circle for RUSH Copies To: _____ Auth. Init. _____

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Flt. y/n	*Subject to Availability Analysis	Remarks	Lab ID #
Trench 1	1-13 2 PM	SL	1			EPA 8260 Fuel Fingerprint		470116
North Tank Pit	1-13 3 PM	SL	1			EPA 8260 Fuel Fingerprint		
PIT Middle	1-13 3:30	SL	1			EPA 8260 Fuel Fingerprint		
South Tank Pit	1-13 3:50	SL	1			EPA 8260 Fuel Fingerprint		
Dispenser	1-13 4:20	SL	1			EPA 8260 Fuel Fingerprint		
Trench 2	1-13 4:20	SL	1			EPA 8260 Fuel Fingerprint		

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>Brian West</u>	1-14-14 11:00 AM				

FOR LAB USE ONLY

Shipping Method _____ Shipping # _____ Received By William A. ... Date/Time 1/14/14 11:00 Condition (See Remarks): Cold Sealed Intact

REMARKS _____

- *Matrix:
- DW - Drinking Water
 - WW - Wastewater
 - GW - Groundwater
 - SW - Surface Water
 - IM - Impinger
 - FI - Filter
 - FP - Free Product
 - A/G - Air/Gas
 - SL - Sludge/Soil/Solid
 - OT - Other



COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE
IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0145-2
Project : Weyerhaeuser Alameda
Tank Removal
Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
North Tank Pit	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					1,2
Benzene		0.005	ND		
Toluene		0.005	ND		
Ethylbenzene		0.005	ND		
Xylenes		0.005	ND		
1,2-Dichloroethane		0.005	ND		
Ethylene dibromide		0.005	ND		
Total Petroleum Hydrocarbons (Gasoline)		1.	ND		
Total Petroleum Hydrocarbons (Diesel 2)		1.	ND		
Percent Surrogate Recovery			87.		

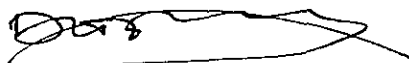
San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94
MSD1/2AF35A
DT/et/on
MSD1-012494

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.


Dudley Torres
Organics Manager

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE
IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0145-4
Project : Weyerhaeuser Alameda
Tank Removal
Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
South Tank Pit	Soil	Brian West	01/13/94	01/14/94	
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS					
Benzene		0.005	ND	1,2	
Toluene		0.005	ND		
Ethylbenzene		0.005	ND		
Xylenes		0.005	ND		
1,2-Dichloroethane		0.005	ND		
Ethylene dibromide		0.005	ND		
Total Petroleum Hydrocarbons (Gasoline)		1.	ND		
Total Petroleum Hydrocarbons (Diesel 2)		1.	ND		
Percent Surrogate Recovery			84.		

San Jose Lab Certifications: CAELAP #1204

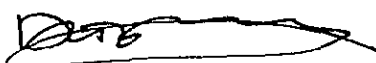
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

(2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94
MSD1/2AF36A
DT/et/on
MSD1-012494

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.


Dudley Torres
Organics Manager

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EXCELLENCE
IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0145-5
Project : Weyerhaeuser Alameda
Tank Removal
Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
Dispenser	Soil	Brian West	01/13/94	01/14/94

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
1,2-Dichloroethane		0.005	ND	
Ethylene dibromide		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		1.	ND	
Percent Surrogate Recovery			89.	

San Jose Lab Certifications: CAELAP #1204

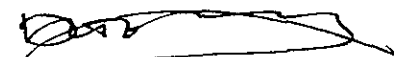
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

(2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94
MSD1/2AF37A
DT/et/on
MSD1-012494

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IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

CLIENT: Brian W. West
West & Associates Env. Engineers
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Lab Number : JK-0145-6
Project : Weyerhaeuser Alameda
Tank Removal
Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
Trench 2	Soil	Brian West	01/13/94	01/14/94
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
1,2-Dichloroethane		0.005	ND	
Ethylene dibromide		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		1.	ND	
Percent Surrogate Recovery			90.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

(2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94
MSD1/2AF38A
DT/et/on
MSD1-012494

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Organics Manager

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IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

QC Batch ID: MSD1-012494

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
METHOD BLANK	Solid				
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE	
FUEL FINGERPRINT ANALYSIS				1,2	
Benzene		0.005	ND		
Toluene		0.005	ND		
Ethylbenzene		0.005	ND		
Xylenes		0.005	ND		
1,2-Dichloroethane		0.005	ND		
Ethylene dibromide		0.005	ND		
Total Petroleum Hydrocarbons (Gasoline)		1.	ND		
Total Petroleum Hydrocarbons (Diesel 2)		1.	ND		
Percent Surrogate Recovery			84.		

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) EXTRACTED by EPA 5030 (purge-and-trap)
- (2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94
MSD1/2AF25A
DT/et/on
JK0145-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres
Organics Manager

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2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

QC Batch ID: MSD1-012494

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED		
MATRIX SPIKE	Solid				
CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT mg/Kg	%REC	NOTE
FUEL FINGERPRINT ANALYSIS					
Benzene	ND	0.1	0.084	84.	1,2
Toluene	ND	0.1	0.089	89.	
Ethylbenzene	ND	0.1	0.12	120.	
Xylenes	ND	0.1	0.11	110.	
1,2-Dichloroethane	ND	0.1	0.08	80.	
Ethylene dibromide	ND	0.1	0.085	85.	
Total Petroleum Hydrocarbons (Diesel 2)	ND	10.	8.	80.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

(2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94
MSD1/2AF28A/30A
DT/et/on
JK0145-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres
Organics Manager

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EXCELLENCE
IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

QC Batch ID: MSD1-012494

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 01/24/94
Analyzed by: ON
Method : As Listed

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED		
MATRIX SPIKE DUPLICATE	Solid					
CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT mg/Kg	%REC	%DIFF	NOTE
FUEL FINGERPRINT ANALYSIS						
Benzene	ND	0.1	0.097	97.	14.	1,2
Toluene	ND	0.1	0.099	99.	11.	
Ethylbenzene	ND	0.1	0.13	130.	8.	
Xylenes	ND	0.1	0.12	120.	8.7	
1,2-Dichloroethane	ND	0.1	0.096	96.	18.	
Ethylene dibromide	ND	0.1	0.096	96.	12.	
Total Petroleum Hydrocarbons (Diesel 2)	ND	10.	7.7	77.	3.8	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

(2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/25/94
MSD1/2AF29A/31A
DT/et/on
JK0145-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres
Organics Manager

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7726 Moller Rd.
2059 Junction Ave.
141 Suburban Road
2400 Cumberland Dr.
340 County Road No. 5

Camarillo, CA 93012
Indianapolis, IN 46268
San Jose, CA 95131
San Luis Obispo, CA 93401
Valparaiso, IN 46383
Westbrook, ME 04092

(805) 389-1353 FAX (805) 389-1438
(317) 875-5894 FAX (317) 872-6189
(408) 955-9077 FAX (408) 955-9078
(805) 547-3888 FAX (805) 543-2685
(219) 464-2389 FAX (219) 462-2953
(207) 874-2400 FAX (207) 775-4029

PLEASE PRINT IN PEN

Client	West & Associates Engineers		Contact	Brian West	Phone #	707 451-1360	FAX #	()
Address	112 Pepperell		City	Vacaville	State	CA	Zip	95688
Project Name/Number	Weyerhaeuser Alameda			Project MGR	B. West			
Bill (if different than above)	Same		Address					
Sampler (Print and sign)	BWW	Brian West	Due Date	5 day	Circle for RUSH*	Copies To:		Auth. Init.

Sample Description	Date/Time Coll'd	*Matrix	# of Containers	Pres.	Filt. y/n	*Subject to Availability Analysis	Remarks	Lab ID #
Spoil West	T-13 PM	SL	Brass			composite for <u>one</u> EPA 8260 Fuel Fingerprint & one haz waste reactivity reactivity only dup 11/21/94 sandy soil, composite naturally fax results to 707	11K0167	
Spoil East	/	/	/	/	/			
Spoil North	/	/	/	/	/			
Spoil South	/	/	/	/	/			

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
Brian West	T-13-94 4:20 PM	Ken [unclear]	Ken [unclear]		

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)		
World Courier		Scott Hove	11/19/94 1510	Cold	Sealed	Intact
REMARKS Temp. of cooler: 59°F						

- * Matrix:
- DW - Drinking Water
 - WW - Wastewater
 - GW - Groundwater
 - SW - Surface Water
 - IM - Impinger
 - FI - Filter
 - FP - Free Product
 - A/G - Air/Gas
 - SL - Sludge/Soil/Solid
 - OT - Other

CLIENT



COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE
IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

Lab Number : JK-0167-1

CLIENT: Brian W. West
West Associates
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

Analyzed : 01/19/94
Analyzed by: ON
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED
Composite of Spoil West, East, North and South	Soil	Brian West	01/14/94

CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS				1,2
Benzene		0.005	ND	
Toluene		0.005	ND	
Ethylbenzene		0.005	ND	
Xylenes		0.005	ND	
1,2-Dichloroethane		0.005	ND	
Ethylene dibromide		0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		1.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		5.	23.	
Percent Surrogate Recovery			82.	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) EXTRACTED by EPA 5030 (purge-and-trap)

(2) ANALYZED by CAL DHS DRAFT TPH, EPA 8260 modified (GC/MS)

01/21/94
MSD1/2AE70A/F14A
DT/mcc/on
MSD1-011994

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Dudley Torres
Organics Manager

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COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE
IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

Lab Number : JK-0167-1

CLIENT: Brian W. West
West Associates
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED
Composite of Spoil West, East, North and South	Soil	Brian West	01/14/94

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
PRESENCE OF CYANIDE	0.5	Negative	mg/Kg	ASTM D5049	01/21/94	AB	
PRESENCE OF SULFIDE	10.	Negative	mg/Kg	ASTM D4978	01/21/94	MT	

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/21/94

NG/nfg/mt
CN940121A

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Nick Gaone
Inorganics Manager

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Air, Water & Hazardous Waste Sampling, Analysis & Consultation • Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories



COAST-TO-COAST ANALYTICAL SERVICES, INC.

EXCELLENCE
IN ANALYSIS

NorCal Division (San Jose Laboratory)
2059 Junction Ave.

San Jose, CA 95131
(408) 955-9077

QC Batch ID: CN940121A JK-0167-1

CLIENT: Brian W. West
West Associates
P.O. Box 5891, 112 Pepperell Court
Vacaville, CA 95696

QC DUPLICATE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED
Composite of Spoil West, East, North and South	Solid	Brian West	01/14/94
CONSTITUENT	*PQL	RESULT	%DIFF UNITS METHOD ANALYZED BY NOTE
PRESENCE OF CYANIDE	0.5	Absent	0. mg/Kg ASTM D5049 01/21/94 AB

San Jose Lab Certifications: CAELAP #1204

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

01/21/94

NG
JK0167-1

Respectfully submitted,
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Air, Water & Hazardous Waste Sampling, Analysis & Consultation • Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 41

Carrier's No. _____

Collins Trucking
(NAME OF CARRIER)

SCAC _____ Date _____

TO: Consignee Redwood Landfill, Inc.

FROM: Shipper Weyerhaeuser Paper Co.

Street 8950 Redwood Highway

Street 1801 Hibbard Street

Destination Novato CA Zip 94948

Origin Alameda CA Zip 94501

Route: _____

Vehicle Number _____

U.S. DOT Hazmat Reg. No. _____

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		<u>Soil</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>15yds</u>		
		<u>LOAD # 1</u>						
		<u>Approval # 100 PC</u>						
		<u>* Landfill Sign</u>						

Remit C.O.D. to:

Address: _____

City: _____

State: _____

Zip: _____

COD Amt: \$ _____

C. O. D. FEE:

Prepaid Collect \$ _____

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of Consignor)

FREIGHT CHARGES

PREPAID COLLECT

RECEIVED. subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named material is properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per [Signature]

PLACARDS REQUIRED

NONE

PLACARDS SUPPLIED

YES NO - FURNISHED BY CARRIER
DRIVERS SIGNATURE:

Where the applicable tariff provisions specify a limitation of the carrier's liability NMFC Item 172, if there is no release or value declaration by the shipper, and the shipper does not declare a value or release the carrier's liability, that liability shall be limited to the extent provided by NMFC Item 172. California intrastate shipments must comply with NMFC Item 173.

SHIPPER: Weyerhaeuser Paper Co

CARRIER: Collins Trucking

PER: [Signature]

PER: [Signature]

DATE: 2-10-94

DATE: 2-10-94

EMERGENCY RESPONSE

TELEPHONE NUMBER: _____

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

Carrier's No. _____

Collins Trucking

(NAME OF CARRIER)

SCAC _____ Date _____

TO:
Consignee *Redwood Landfill, Inc.*
Street *8950 Redwood Highway*
Destination *Novato CA* Zip *94948*
Route: _____

FROM:
Shipper *Weyerhaeuser Paper Co.*
Street *1801 Hibbard Street*
Origin *Alameda CA* Zip *94501*
Vehicle Number _____ U.S. DOT Hazmat Reg. No. _____

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		<i>Soil</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>15 yds</i>		
		<i>Load #2</i>						
		<i>Approval # 100 PG</i>						
		<i>* Landfill Sign</i>						

Remit C.O.D. to:
Address: _____
City: _____ State: _____ Zip: _____
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

C. O. D. FEE:
Prepaid Collect \$ _____
FREIGHT CHARGES
 PREPAID COLLECT
(Signature of Consignor)

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.
[Signature]

PLACARDS REQUIRED NONE PLACARDS SUPPLIED YES NO - FURNISHED BY CARRIER
DRIVERS SIGNATURE: _____

SHIPPER: *Weyerhaeuser Paper Co.*
PER: *[Signature]*
DATE: *2-10-94*

CARRIER: *Collins Trucking*
PER: *[Signature]*
DATE: *2-10-94*

EMERGENCY RESPONSE TELEPHONE NUMBER: _____

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

Carrier's No. _____

Banerke Trucking
(NAME OF CARRIER)

SCAC _____ Date _____

TO: Consignee <u>Redwood Landfill, Inc.</u>		FROM: Shipper <u>Weyerhaeuser Paper Co.</u>	
Street <u>8950 Redwood Highway</u>		Street <u>1801 Hibbard Street</u>	
Destination <u>Novato CA</u> Zip <u>94948</u>		Origin <u>Alameda CA</u> Zip <u>94501</u>	
Route: _____		Vehicle Number _____	U.S. DOT Hazmat Reg. No. _____

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		<u>Soil</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>15yds</u>		
		<u>Load # 3</u>						
		<u>Approval # 100 PC</u>						
		<u>* Landfill Sign</u>						

Remit C.O.D. to:			C. O. D. FEE:	
Address: _____	City: _____ State: _____ Zip: _____		COD Amt: \$	Prepaid <input type="checkbox"/> Collect <input type="checkbox"/>
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per <u>100</u>			FREIGHT CHARGES <input type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT	

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED **NONE** PLACARDS SUPPLIED YES NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE: _____

Where the applicable tariff provisions specify a limitation of the carrier's liability NMFC Item 172, if there is no release or value declaration by the shipper, and the shipper does not declare a value or release the carrier's liability, that liability shall be limited to the extent provided by NMFC Item 172. California intrastate shipments must comply with NMFC Item 173.

SHIPPER: <u>Weyerhaeuser Paper Co.</u>	CARRIER: <u>Banerke Trucking</u>
PER: <u>[Signature]</u>	PER: <u>[Signature]</u>
DATE: <u>2-10-94</u>	DATE: <u>2-10-94</u>

EMERGENCY RESPONSE TELEPHONE NUMBER: _____

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

THIS MEMORANDUM

Is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

Carrier's No. _____

Collins Trucking
(NAME OF CARRIER)

SCAC _____ Date _____

TO: Consignee <u>Redwood Landfill, Inc</u>	FROM: Shipper <u>Weyerhaeuser</u>
Street <u>8950 Redwood Highway</u>	Street <u>1801 Hibbard Street</u>
Destination <u>Novato CA</u> Zip <u>94948</u>	Origin <u>Alameda CA</u> Zip <u>94501</u>
Route: _____	Vehicle Number _____ U.S. DOT Hazmat Reg. No. _____

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		Soil	/	/	/	15 yds		
		Load # 4						
		Approval # 100 PC						
		* Landfill Sign						

Remit C.O.D. to: Address: _____ City: _____ State: _____ Zip: _____	COD Amt: \$	C. O. D. FEE: Prepaid <input type="checkbox"/> Collect <input type="checkbox"/> \$ _____
<small>NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____</small>	<small>Subject to Section 7 of the conditions, if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.</small>	FREIGHT CHARGES <input type="checkbox"/> PREPAID <input type="checkbox"/> COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

Per [Signature] **PLACARDS REQUIRED** NONE **PLACARDS SUPPLIED** YES NO - FURNISHED BY CARRIER

DRIVERS SIGNATURE: _____

SHIPPER: <u>Weyerhaeuser Paper Co.</u>	CARRIER: <u>Collins Trucking</u>
PER: _____	PER: <u>[Signature]</u>
DATE: <u>2-16-94</u>	DATE: <u>2-16-94</u>
EMERGENCY RESPONSE TELEPHONE NUMBER: _____	Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

STRAIGHT BILL OF LADING
ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

Carrier's No. _____

Collins Trucking
(NAME OF CARRIER)

SCAC _____ Date _____

TO:
Consignee *Redwood Landfill, Inc.*
Street *8950 Redwood Highway*
Destination *Novato CA* Zip *94948*
Route: _____

FROM:
Shipper *Weyerhaeuser Paper Co.*
Street *1801 Hibbard St*
Origin *Alameda CA* Zip *94501*
Vehicle Number _____ U.S. DOT Hazmat Reg. No. _____

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	Packing Group	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
1		SOIL	1	1	1	15yds		
		Load # 5						
		Approval # 100PC						
		* Landfill Sign						

Remit C.O.D. to:
Address: _____
City: _____ State: _____ Zip: _____

C. O. D. FEE:
Prepaid Collect \$ _____

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

FREIGHT CHARGES
 PREPAID COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

PLACARDS REQUIRED NONE PLACARDS SUPPLIED YES NO - FURNISHED BY CARRIER
DRIVERS SIGNATURE: _____

SHIPPER: *Weyerhaeuser Paper Co.*
PER: _____
DATE: *2-10-94*

Where the applicable tariff provisions specify a limitation of the carrier's liability NMFC Item 172), if there is no release or value declaration by the shipper, and the shipper does not declare a value or release the carrier's liability, that liability shall be limited to the extent provided by NMFC Item 172. California intrastate shipments must comply with NMFC Item 173

CARRIER: *Collins Trucking*
PER: *Charles Collins*
DATE: *2-10-94*

EMERGENCY RESPONSE TELEPHONE NUMBER: _____

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

TABLE 6
 METALS ANALYSIS - SOIL
 JANUARY 1994
 all values in mg/KG

METAL	B-4, 5.5'	MW-8, 7'	MW-9, 5'	MW-9, 9'	MW-10, 5'	MW-10, 9'	NORTH END WALL
CADMIUM	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	23	21	24	24	19	26	21
LEAD	8	6	4	6	8	6	6
NICKEL	28	27	16	24	10	28	22
ZINC	17	60	25	21	21	30	16

NOTES:

ND: Not Detected, minimum detection limits for each metal listed on original laboratory report forms

In summary, gasoline contamination in soil extends under the main plant building south of the 1991 gasoline tank cluster and almost to the property line north of the former tank cluster location. Traces of soil contamination from the 1991 gasoline tank cluster were detected on the east pit sidewall of the 1994 diesel tank excavation west of the former gasoline tank cluster. Soil contamination appears to have been largely removed east of the 1991 gasoline tank cluster.

4.0 REMEDIAL WORKPLAN

It is proposed to excavate contaminated soil to the maximum practical depth, aerate soil on-site to below 1.0 PPM total petroleum hydrocarbons and then replace the soil in the excavation. Only incidental amounts of soil, if any, will be off-hauled.

It is also proposed to construct a groundwater sparging grid in the saturated zone within the excavated area. A corresponding vapor extraction grid would be constructed immediately above the saturated zone to collect sparged volatiles.

4.1 Air Quality Compliance

The Bay Area Air Quality Management District (BAAQMD) regulates air pollutant emissions from the WPC Alameda location. The BAAQMD allows aeration of gasoline contaminated soils based on the TPH-gas concentration and quantity processed per day.

BAAQMD Rule 8, Regulation 40, Section 301 allows soil aeration in conformance with the following schedule:

ORGANIC CONTENT (ppm)	YD ³ /DAY
2000-2999	15
1000-1999	30
500-999	60
100-499	120

No soil samples from within the area to be excavated were found to be greater than 500 PPM total volatiles, either by conventional laboratory analysis or by fuel fingerprint in air analysis. Similarly, no soil samples field screened with a PID registered greater than 500 PPM total volatiles. Therefore, it is proposed to aerate 120 yd³ of soil per day. Soil not undergoing active aeration will be covered with plastic sheeting.

Due to the space restrictions at the WPC Alameda plant, 120 yd³ is also approximately the maximum amount of soil that could be aerated at any one time. Soil will be screened with a calibrated photoionization detector (PID) as it is excavated. If any soil registers higher than 499 PPM it will be assumed to be in the BAAQMD 500-999 PPM category and will be aerated accordingly.

Prior to initiating aeration operations the BAAQMD will be notified as required by Rule 40. A completed BAAQMD "Notification Form" will be telefaxed to the Enforcement Division at (415) 928-0338 at least three working days prior to beginning the project.

4.2 Soil Excavation

Prior to conducting any sub-surface work the area will be surveyed by Underground Service Alert to identify any non-Weyerhaeuser underground utilities. Additionally, the Weyerhaeuser facility building plans will be reviewed to identify company owned underground utilities.

It is proposed to excavate all soil within the area designated on Figure 6, with the exception of those areas previously overexcavated. The excavation area depicted on Figure 6 is based on a 1 PPM TPH-gas threshold. It is presumed that the soil within the previous overexcavation is clean. Sidewall soil sampling (described in Section 4.6) will be conducted to verify that assumption. The total amount of soil to be excavated at the WPC site is estimated to be 850 yd³

Overlying pavement will be removed in a sequenced pattern. Pavement will only be removed as necessary in order to provide the maximum paved operating area for machinery.

Soil will be excavated in batches of approximately 120 yd³ each. Soil will be excavated using a case 680E backhoe with a 18 inch bucket. As contaminated soil is excavated it will be placed in stockpiles as indicated on Figure 6. The stockpile area is paved. Soil stockpiles will be placed on plastic sheeting and covered at all times unless soil is actively being added or removed.

Sidewall samples will be screened with a PID to determine when complete removal of all contaminated soil has occurred. It is the intent of this project to excavate, to the maximum practical extent, soil contaminated greater than 1 PPM total volatiles.

4.3 On-Site Soil Aeration

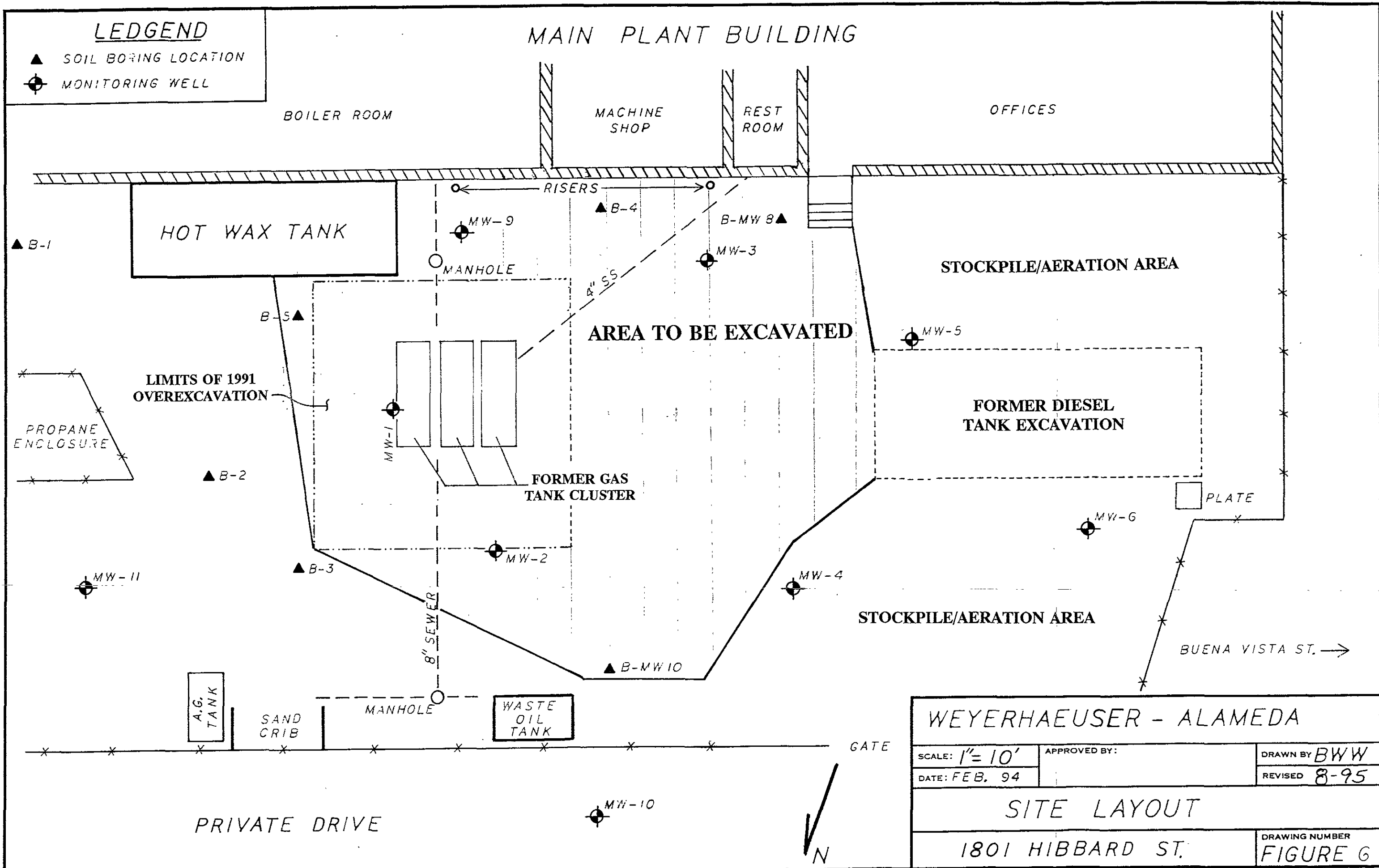
Aeration will be promoted by shuttling soil back and forth between the two stockpiles. Specifically, a wheeled loader with a 3 yd³ bucket will be used to pick up soil from the more contaminated stockpile for transport to the less contaminated stockpile. Aeration will be enhanced by the action of the soil falling 5-6 feet through the air onto the stockpile.

It is anticipated that approximately 2 days will be required to satisfactorily aerate each 120 yd³ soil batch. Aeration effectiveness will be monitored in the field with a PID.

After field screening indicates the first 120 yd³ batch has been aerated to less than 1 PPM TPH-gas, two, four sample, soil composite samples will be collected for laboratory analysis. If the two sample analytical results are less than 1 PPM TPH-gas, the soil batch will be replaced in the excavation. If either soil sample is greater than 1 PPM TPH-gas, additional aeration will be performed.

LEDGEND

- ▲ SOIL BORING LOCATION
- ⊕ MONITORING WELL



WEYERHAEUSER - ALAMEDA		
SCALE: 1" = 10'	APPROVED BY:	DRAWN BY BWW
DATE: FEB. 94		REVISED 8-95
SITE LAYOUT		
1801 HIBBARD ST.		DRAWING NUMBER FIGURE 6

Two, four sample composite, verification soil samples will be collected from each 120 yd³ batch of soil processed. After the first soil batch, at the discretion of the engineer in charge, soil may be replaced in the excavation based on field screening prior to obtaining laboratory results. Re-placement of aerated soil prior to receiving analytical results will only be practiced if the level of confidence in field screening is high. If any soil is found to be contaminated greater than 1 PPM TPH-gas after replacement, it will be re-excavated for additional aeration treatment.

4.4 Pit Water Management

It has been noted that borings drilled to a depth of 10 feet BGS at the WPC site are dry for an extended period of time, however standing water accumulates immediately in a boring advanced to 12 feet BGS. It has also been noted that after a period of 24 hours, standing groundwater will rise to 5-6 feet BGS in any hole left open.

It is anticipated that soil can be excavated to a depth of about 11 feet BGS without complications due to groundwater. It is expected, however, that groundwater will eventually accumulate in all open excavations. Construction of the sparging grid and replacement of aerated soil will therefore require pit dewatering.

Pit de-watering will be accomplished by placing an electric submersible pump in the excavation. Extracted groundwater will be pumped to a holding tank, filtered and then passed through activated carbon treatment units to remove all gasoline contaminants. Treated water will be routed through a totalizing flowmeter to sanitary sewer discharge.

The Weyerhaeuser Paper Company has an existing permit (No. 188-00911) from the EBMUD to discharge to the industrial sewer system. The EBMUD will be notified that a treated groundwater discharge will take place over a temporary period. The treated groundwater discharge will not exceed existing limitations on quantity or quality as defined by the permit. Third party sampling of treated groundwater effluent will be arranged if necessary.

4.5 Control of Surface Runoff

The project has been timed to minimize the potential for precipitation onto exposed soil. Measures will also be instituted to prevent contaminated runoff from leaving the property should rainfall occur.

In the event of rain, all aeration activities will be terminated and both soil stockpiles covered with plastic sheeting. The soil aeration area will be bermed and configured so that any runoff is directed to the open excavation.

Both soil stockpiles will be continuously covered with plastic sheeting unless soil is being added or removed. The plastic sheeting will not be removed during periods of rainfall.

4.6 Soil Sampling

Soil samples will be collected from the pit side walls to verify the removal of all contamination. Soil samples will be collected from the aerated soil pile to confirm remedial effectiveness.

4.6.1 Sidewall Soil Sampling

It is proposed to collect at least one sidewall soil sample from each excavation zone. At least one soil sample will be collected per each 20 feet of sidewall. It is anticipated that a total of 10 sidewall soil samples will be collected. It is proposed to analyze all sidewall samples discreetly.

Sidewall samples will be collected at a depth of 5 feet BGS. That depth is anticipated to be approximately one foot higher than the current groundwater elevation and is the depth at which the greatest TPH-gas concentrations have historically been detected.

Soil samples will be collected by digging a quantity of soil from the sidewall at the desired depth with the backhoe bucket. Undisturbed soil samples will be collected from the backhoe bucket with a hammer driven core sampler. The core sampler will be fitted with new brass liners. Retrieved samples will be sealed, labeled, chilled and entered on a chain of custody form. The chain of custody form will accompany the sample set until laboratory delivery. All soil sampling procedures will conform with Tri-Regional specifications.

Chemical analysis will be in a DHS certified laboratory using EPA approved test methods. Each soil sample will be analyzed for TPH-gas and BTXE. Every fourth sidewall sample will also be analyzed for naphthalene.

4.6.2 Stockpile Soil Sampling

Soil samples will be collected from the aerated soil pile prior to backfill. It is proposed to collect two, four sample composite, soil samples from each 120 yd³ soil batch. Sample points will be selected at random. Compositing will be performed in the testing laboratory.

Each soil sample will be collected with a hammer driven core sampler. The core sampler will be fitted with new brass liners. Retrieved samples will be sealed, labeled, chilled and entered on a chain of custody form. All soil sampling procedures will conform with Tri-regional specifications.

Chemical analysis will be in a DHS certified laboratory using EPA approved test methods. Each soil sample will be analyzed for TPH-gas and BTXE. One soil sample from each stockpile will also be analyzed for naphthalene.

4.7 Air Sparging System

It is proposed to construct an air sparging system in the open excavation. The air sparging system would consist of one inch diameter, schedule 40 PVC pipe perforated with 1/8 inch diameter holes. The sparging lines will be assembled in 2 foot squares. Each square will be manifolded to the air supply such that pressures and air flow rates can be regulated and separate sparging zones established, if desired.

The sparging lines will be bedded in 3/8 inch pea gravel. The objective will be to place a continuous pea gravel layer between 12 and 13 feet BGS.

A soil vapor extraction grid will be placed at 4 feet BGS to complement the air sparging system. The vapor extraction grid will consist of perforated 2 inch diameter PVC piping on three foot centers. It is proposed to bed the soil vapor extraction lines in 3/8 inch pea gravel also.

Pilot tests will be run on the air sparging/vapor extraction system to determine remedial effectiveness and effect (if any) on hydrologic site conditions. After successful construction of the system, a written description of the proposed pilot test program will be submitted to the Alameda County Health Agency.

4.8 Site Restoration

After receipt of all soil analytical results confirming remedial effectiveness, the site will be restored to its original configuration. Any utilities disrupted during excavation will be repaired. The compacted backfill will be graded, covered with a 12 inch thick layer of basecourse and a three inch thick layer of asphalt.

5.0 REPORT OF FINDINGS

Within 60 days of completing soil remediation activities, a written report of findings will be submitted to the Alameda County Health Agency and the San Francisco Bay Regional Water Quality Control Board. The report shall include:

- Executive summary
- List of acknowledgements
- Table of contents
- Site status
- Site history
- Location map
- Description of site characteristics
- Dimensions of final tank over-excavation
- As-built specifications of the air sparging/vapor extraction system
- Soil sample locations
- Analytical data (including original laboratory report forms)
- Treated water discharge quantities
- Recommendations for future action
- Proposed groundwater monitoring schedule

A schedule for future remedial activity will also be proposed in the soil remediation report.

6.0 HEALTH & SAFETY PLAN

During the soil remediation project it is proposed to implement measures to protect workers, the public and the environment from injury or contamination. Health & Safety measures are described in the following Sections.

SITE: Weyerhaeuser Paper Company
1801 Hibbard Street
Alameda, CA 95601

SITE CONTACT: Mr. John Hipner
Plant Engineer
(510) 814-1167

CONSULTANT: West & Associates Environmental Engineers
490 Merchant Street, Suite 140
Vacaville, CA 95688

CONSULTANT CONTACT: Mr. Brian W. West PE
Project Manager
(707) 451-1360 - Office
(707) 322-1646 - Mobile

SITE SAFETY OFFICER: Brian W. West PE
BACKUP SSO: Brennan Mahoney

CONTRACTOR: All Chemical Disposal, Inc.
941 Berryessa Road, Suite D
San Jose, CA 95133

CONTRACTOR CONTACT: Mr. Dave Escover
(408) 453-1660

6.1 Health & Safety Procedures

Objectives

- Protect workers from injury
- Prevent workers, employees or the public from contacting hazardous materials
- Prevent contaminants from entering the environment

Site Safety Officer

A designated site safety officer shall be on-duty during all work activity. The site safety officer shall have completed Hazardous Waste Supervisor, 8 hour training and Hazardous Waste Worker, 40 hour training as defined by OSHA regulation 1910.120.

The site safety officer shall keep a copy of the health & safety plan at the site. The site safety officer shall ensure that all persons at the work site have read and understood the site safety plan. A bound log book available for inspection by regulatory personnel shall be maintained at the site by the safety officer.

The site safety officer shall have a battery powered cellular phone on site at all times. As a backup, the safety officer shall have access to a land line phone in the Weyerhaeuser plant. In the event of emergency, assistance is summoned by dialing 911.

The nearest responder to the WPC Alameda site is:

- City of Alameda Fire Department, Station 3
1703 Grand Street, Alameda

The nearest location for medical assistance is:

- Alameda Hospital
2070 Clinton Ave., Alameda
(510) 522-3700

Hazard Assessment - Physical

The principal physical hazard associated with the proposed work involves operation of heavy earth moving equipment. Contact with broken underground utilities, cave in of excavation walls and falling into the excavation are also potential physical hazards. Confined space entry is not a hazard since personnel will not be required and are not permitted into the excavation. The overall physical safety hazard for this project is rated as moderate.

Health & Safety Measures - Physical

The possibility of accidental damage through contact with underground utilities will be minimized by diligently locating all known sub-surface structures before digging. Underground Service Alert will be contacted to mark all member utility lines in the work area.

An exclusion zone shall be established around the work area. The site safety officer shall be responsible for establishing the exclusion zone and for prohibiting entry to unauthorized persons. The exclusion zone is indicated on Figure 7. The north and west sides of the exclusion zone consist of chain link fence. The south side coincides with the plant building wall. A line of traffic barriers and caution tape will be established to form the eastern boundary of the exclusion zone.

All personnel working inside the exclusion zone will be equipped with sturdy, steel toed, footwear; eye protection; protective outer clothing; hearing protection; hard hat; suitable respiratory protection and gloves. Based on the work activity underway, the site safety officer will advise personnel regarding mandatory use of any piece of protective equipment.

LEDGEND

MONITORING WELL

MAIN PLANT BUILDING

BOILER ROOM

MACHINE SHOP

REST ROOM

OFFICES

HOT WAX TANK

MW-9
MANHOLE

MW-3

MW-5

PROPANE ENCLOSURE

EXCLUSION AREA

MW-1
FORMER GASOLINE TANK CLUSTER EXCAVATION

MW-2

MW-4

MW-11

MW-6

PLATE

BUENA VISTA ST. →

8" SEWER

MANHOLE

A.G. TANK

SAND CRIB

FORMER DISPENSER

GATE

PRIVATE DRIVE

MW-10

N

WEYERHAEUSER - ALAMEDA		
SCALE: 1" = 10'	APPROVED BY:	DRAWN BY BWV
DATE: FEB. 94		REVISED
1801 HIBBARD ST.		DRAWING NUMBER FIGURE 7

Hazard Assessment - Chemical

The following chemical compounds are known to be on site:

- Petroleum Hydrocarbons
- Volatile Aromatics (benzene, toluene, xylene, ethyl benzene)

Personnel may come into contact with these compounds either through inhalation or dermal contact. Ingestion exposure is not possible since eating, drinking and smoking are prohibited in the exclusion area. Because of the relatively low levels of gasoline contamination present at this site the chemical hazard rating for this project is rated as low.

Health & Safety Measures - Chemical

All personnel authorized to enter the exclusion zone shall have completed 40 hour health & safety training for hazardous waste workers as defined by OSHA regulation 1910.120. All personnel shall be current with regard to annual 8 hour hazardous waste health & safety training refresher courses.

Air monitoring will be continuously conducted while work activities are underway. A wind speed and direction indicator will be placed in a clearly visible location. Air monitoring will be performed downwind from the excavation using a PhotoVac MP 1500 Photoionization detector (PID). The PID will be calibrated at the start of each work day.

The PID alarm shall be set to 300 PPM total volatiles. If the ambient air concentration exceeds that limit, work will either be stopped until the ambient concentration falls below 300 PPM or respiratory protection will be used.

Each worker within the exclusion zone shall have a properly fitted half face respirator equipped with organic filter cartridges. One spare pack of organic filter cartridges per worker shall be available on site if sub-surface work is underway.

Dermal contact with hazardous chemicals shall be prevented by the use of protective clothing. Workers shall be equipped with tyvex overalls and disposable vinyl gloves. Spare overalls and gloves shall be available on-site while sub-surface work activities are underway.

A break area will be established within the exclusion zone. The break area will be adjacent to the personal decontamination zone so that employees can eat, drink or smoke without leaving the exclusion zone.

6.2 Environmental Protection

Contaminated material shall be isolated from the environment. All contaminated soil will be placed on plastic sheeting and rapidly covered unless undergoing aeration. Contaminated groundwater removed from the excavation will be securely stored in a temporary holding tank until treated for sanitary sewer discharge.

No personnel, equipment or tools will be allowed to leave the work area unless decontaminated. Equipment and tool decontamination will consist of a water spray to remove all loose dirt and a combination of wire brushing and water to remove other dirt. Personal decontamination will consist of an area to remove disposable overalls and gloves, a footwear cleaning station and respirator rinse station.

Decontamination residues will be contained in a leak proof basin. Decontamination water will be transferred to the holding tank for treatment and discharge. Solid decontamination residues will be aerated and backfilled in the excavation.

All decontamination water shall be considered hazardous. Decon water shall be collected in a containment area. Decon water will be periodically transferred to properly labeled 55 gallon drums for temporary on-site storage. All decontamination procedures will conform with State and federal specifications.