

*Emeryville - Sherwin Williams*



# Industrial Compliance

9838 Old Placerville Road Suite 100 Sacramento, CA 95827-3559  
916/369-8971 FAX 916/369-8370

April 28, 1995

IC Project No. 05100680

Ms. Susan Hugo  
Senior Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Environmental Protection Division  
1131 Harbor Bay Parkway, #250  
Alameda, California 94502

**R.T.S.**  
**MAY 02 1995**  
96 FEB 17 PM 12:17  
ENVIRONMENTAL PROTECTION

**Re: Transmission of Documentation for  
Southern Pacific Transportation Company Property  
1450 Sherwin Avenue  
Emeryville, California**

Dear Ms. Hugo:

Industrial Compliance (IC), on behalf of Southern Pacific Transportation Company (SPTCo), submits the following documents pursuant to your February 28, 1995 letter request.

- \* Monitoring Well Installation Workplan
- \* Copies of manifests to document appropriate disposal of soil from the former underground storage tanks (UST) excavation.
- \* Region IX Preliminary Remediation Goals
- \* Health Based Cleanup Levels for Diesel Fuel Containing Soils at the San Luis Obispo Site, July 1990, Terra, Inc.
- \* Three "Form B's" for the additional USTs that were removed in July 1994

In reference to the health based cleanup levels for diesel fuel, the cleanup level in the enclosed document was applied to the Emeryville site because bunker C fuel is also known as diesel No. 6 which is a less refined product of the typical diesel No. 2 fuel that is used in automobile and truck engines.

680-004.LTR/04-28-95/G:\KEYDATA\LTR-MEM

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Ms. Susan Hugo  
April 28, 1995  
Page 2

If you have any questions please contact the undersigned at (916) 369-8971.

Sincerely,

INDUSTRIAL COMPLIANCE



Ronald J. Derrick, P.E.  
Project Manager

RJD/dao

Enclosures

cc: Randall Smith, Southern Pacific Transportation Company (with enclosures)





# Industrial Compliance

9838 Old Placerville Road Suite 100 Sacramento, CA 95827-3559  
916/369-8971 FAX 916/369-8370

April 28, 1995

IC Project No. 05100680

Mr. Randall Smith  
Senior Environmental Manager  
Environmental Affairs Group  
Southern Pacific Transportation Company  
One Market Plaza  
San Francisco, California 94105

**R. T. S.**

**MAY 02 1995**

**Re: Monitoring Well Installation  
Southern Pacific Transportation Company  
1450 Sherwin Avenue  
Emeryville, California**

Dear Mr. Smith:

Industrial Compliance (IC) has prepared this letter/workplan in response to the February 28, 1995 Alameda County Health Care Services' (County) letter regarding the four bunker C fuel underground storage tanks (USTs) that were removed from the subject site (see Figure 1) in July of 1994. Due to physical constraints which limited site excavation, some residual bunker C impacted soil remains at the site. The County has requested Southern Pacific Transportation Company (SPTCo) submit a workplan to assess the lateral and vertical extent of soil and ground water impact associated with the former USTs. In the letter, it appears that the County understands that the physical site constraints will at least partially dictate the location of soil borings and monitoring wells. Based upon a recent site reconnaissance and discussions with a representative for The Sherwin-Williams Company, IC recommends the following site investigation actions.

### **Proposed Site Investigation**

Based on data reported by Levine-Fricke, a consultant to The Sherwin-Williams Company, in their December 20, 1991 *Evaluation of Interim Remedial Measures at the Sherwin-Williams Facility*, the direction of ground water flow is west-northwest in the area of the former USTs. Several physical constraints exist at the site which impede drilling of subsurface borings. These constraints are a soil-bentonite slurry wall located approximately 20 feet east of the former USTs and a series of six active railroad tracks adjacent to the west of the former USTs excavation (see Figure 2). The slurry wall and the railroad tracks pinch together at a point 60 feet north of the former USTs excavation.

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Mr. Randall Smith  
April 28, 1995  
Page 2

In an October 26, 1993 workplan, Levine-Fricke proposed installation of two ground water monitoring wells (LF-21 and LF-23) that are ideally located, considering the physical site constraints, for assessing the extent of ground water impact from the USTs (see Figure 2). LF-21 is 30 feet north and LF-23 is 140 feet west of the former USTs excavation. Since submittal of this workplan, wells LF-14 and LF-15 have been damaged and replacement of the wells is proposed by Levine-Fricke. The replacement wells are anticipated to be numbered LF-24 and LF-25 and will be located approximately 240 feet and 400 feet northwest of the former USTs excavation, respectively. Since it is physically impractical to locate soil borings/monitoring wells north, east, or west of the former USTs excavation, other than the locations proposed by Levine-Fricke, IC/SPTCo have initiated negotiations with Sherwin-Williams to retrieve soil samples during drilling of well LF-21 and to obtain ground water samples from wells LF-21, and LF-23 through LF-25.

The extent of soil impact south of the former USTs is characterized by excavation sidewall sample T1T2-SW in which only 40 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons (TPH) as bunker C fuel and 13 mg/kg of TPH as oil was detected. Therefore, no boring/well is proposed to be installed south of the former USTs.

Procedures for well installation and development are presented in Levine-Fricke's October 26, 1993 workplan. The conceptual procedures for soil and ground water sample collection are described below. More detailed monitoring well purging and sampling procedures may be presented in a future Levine-Fricke workplan.

#### **Soil Sample Collection Procedures and Analysis**

During drilling of LF-21, a continuous soil core will be retrieved from which representative samples will be collected and troweled into glass jars sealed with Teflon lined screw caps. Samples will be collected based on the presence of soil staining but at least one sample will be collected from every 5 foot depth interval. It is anticipated that the soil core will be collected using either a 5 foot long core barrel attached inside a hollow-stem auger or by repeatedly driving an 18 inch long unlined split-spoon sampler in advance of the auger bit.

Based on the analytical results from samples collected on sidewalls of the former USTs excavation, the soil samples will be analyzed for extractable TPH as diesel and bunker C fuel by Environmental Protection Agency (EPA) Method 8015.

Mr. Randall Smith  
April 28, 1995  
Page 3

### Ground Water Collection Procedures and Analysis

After well development, the static water level will be measured to the nearest 0.01 feet with an electric water level probe. Each well will then be purged and sampled using a bottom-filling disposable or Teflon bailer.


Samples will be placed in laboratory supplied containers with the appropriate preservative, if applicable. All samples collected will be labeled with a unique sample number, location designation, date and time of collection, initials of the sampler, project number, and any other pertinent information. The samples will then be placed in an cooled ice chest for transport, under chain-of-custody protocol, to an analytical laboratory for analysis of extractable TPH as diesel and bunker C fuel by EPA Method 8015.

The ground water monitoring wells will be sampled quarterly for one year; after which the monitoring program will be reevaluated and any recommended changes will be made, in writing, for the County's review.

Implementation of the above scope of work is being scheduled by Levine-Fricke. If you have any questions please contact the undersigned at (916) 369-8971.

Sincerely,

INDUSTRIAL COMPLIANCE

  
Ronald J. Derrick, P.E.  
Project Manager

RJD/dao

cc: Larry Mencin, The Sherwin-Williams Company  
Mark Knox, Levine-Fricke





33450970  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7551

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>C A D 0 0 6 2 8 1 9 8 6</b>	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address <b>SOUTHERN PACIFIC TRANSPORTATION COMPANY P.O. BOX 24374 OAKLAND, CA (94623-1374 (303)634-2793</b>					
5. Transporter 1 Company Name <b>SOUTHERN PACIFIC TRANS. CO.</b>		6. US EPA ID Number <b>C A D 0 0 6 9 1 3 2 0 6</b>			
7. Transporter 2 Company Name		8. US EPA ID Number			
9. Designated Facility Name and Site Address <b>ECDC ENVIRONMENTAL L.C. 1111 WEST HIGHWAY 123 EAST CARBON, UTAH 84520</b>		10. US EPA ID Number <b>U T C 0 9 3 0 1 2 2 0 1</b>			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>NON-RCRA HAZARDOUS WASTE SOLID CALIFORNIA REGULATED WASTE</b>		12. Containers No. Type <b>0 0 1 C M</b>		13. Total Quantity <b>9 0</b>	14. Unit Wt/Vol <b>T</b>
15. Special Handling Instructions and Additional Information <b>ECDC IS A NON-RCRA FACILITY REGULATED BY THE STATE OF UTAH ECDC JOB #94-0384 EMERGENCY PHONE (303)634-2793 RAIL CAR # <b>ATW 9103</b></b>		16. Handling Codes for Wastes listed Above a. <b>03</b> b. c. d.			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this 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 <u>highway</u> according to applicable international and national government regulations. <i>rail</i>					
Printed/Typed Name <b>Carl Taylor</b>		Signature <i>Carl Taylor</i>		Month Day Year <b>01 24 95</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name <b>R. G. LEWIS</b>		Signature <i>R. G. Lewis</i>		Month Day Year <b>01 24 95</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		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		Signature		Month Day Year	

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A D 0 0 6 2 8 1 9 B 6		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address SOUTHERN PACIFIC TRANSPORTATION COMPANY P.O. BOX 24374 OAKLAND, CA 94623-1374 (303)634-2793											
4. Generator's Phone No.											
5. Transporter 1 Company Name SOUTHERN PACIFIC TRANS. CO.										6. US EPA ID Number C A D 0 0 6 9 1 3	
7. Transporter 2 Company Name										8. US EPA ID Number	
9. Designated Facility Name and Site Address ECDC ENVIRONMENTAL L.C. 1111 WEST HIGHWAY 123 EAST CARBON, UTAH 84520		10. US EPA ID Number U T C 0 9 3 0 1 2									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol			
a. NON-RCRA HAZARDOUS WASTE SOLID CALIFORNIA REGULATED WASTE				0 0 1 C M				9 0			
b.											
c.											
d.											
15. Special Handling Instructions and Additional Information ECDC IS A NON-RCRA FACILITY REGULATED BY THE STATE OF UTAH ECDC JOB #94-0384 EMERGENCY PHONE (303)634-2793 RAIL CAR # SP 337720				16. Generator's Certification		17. Transporter 1 Acknowledgement of Receipt of Materials		18. Transporter 2 Acknowledgement of Receipt of Materials			
				I hereby declare that the contents of this 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 international and national government regulations.  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 JOHN O. CAVANAGH Signature <i>[Signature]</i> Month Day Year 1 0 2 5 9 4		Printed/Typed Name BOB MAUI Signature <i>[Signature]</i> Month Day Year 1 0 8 16 9 4		Printed/Typed Name Signature Month Day Year	
19. Discrepancy Indication				20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
				Printed/Typed Name Signature		Month Day Year					

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 CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-755  
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 GENERATOR  
 TRANSPORTER  
 FACILITY

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93455918 CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7555

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A D 0 0 6 2 8 1 9 8 6		Manifest Document No. 11557		2. Page 1 of		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address SOUTHERN PACIFIC TRANSPORTATION COMPANY P.O. BOX 24374													
4. Generator's Phone No. OAKLAND, CA 94623-1374 (303)634-2793													
5. Transporter 1 Company Name SOUTHERN PACIFIC TRANS. CO.					6. US EPA ID Number C A D 0 0 6 9 1 3								
7. Transporter 2 Company Name													
8. US EPA ID Number													
9. Designated Facility Name and Site Address ECDC ENVIRONMENTAL L.C. 1111 WEST HIGHWAY 123 EAST CARBON, UTAH 84520					10. US EPA ID Number U T C 0 9 3 0 1 2								
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total		14. Unit			
						No.		Type		Quantity		Wt/Vol	
a. NON-RCRA HAZARDOUS WASTE SOLID CALIFORNIA REGULATED WASTE						0 0 1 C M				9 0			
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information ECDC IS A NON-RCRA FACILITY REGULATED BY THE STATE OF UTAH ECDC JOB #94-0384 EMERGENCY PHONE (303)634-2793 RAIL CAR # LRWN 6053						16. Handling Cases of Wastes Listed Above 03		b.		c.			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this 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 international and national government regulations.  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 JOHN O CAVANAUGH				Signature <i>John O Cavanaugh</i>				Month 10		Day 23		Year 94	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name BOB DAVIS				Signature <i>Bob Davis</i>				Month 10		Day 26		Year 94	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name				Signature				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				Signature				Month		Day		Year	

GENERATOR OR SPILL, CALL THE NATIONAL RESPC CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7555

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GENERATOR  
 TRANSPORTER  
 FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.  C A D 0 0 6 2 8 1 9 8 6	Manifest Document No.  1-000001	2. Page 1  of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address  SOUTHERN PACIFIC TRANSPORTATION COMPANY P.O. BOX 24374 OAKLAND, CA 94623-1374 (303)634-2793					
4. Generator's Phone		5. Transporter 1 Company Name  SOUTHERN PACIFIC TRANS. CO.		6. US EPA ID Number  C A D 0 0 6 9 1 3	
7. Transporter 2 Company Name		8. US EPA ID Number			
9. Designated Facility Name and Site Address  ECDC ENVIRONMENTAL L.C. 1111 WEST HIGHWAY 123 EAST CARBON, UTAH 84520		10. US EPA ID Number  U T C 0 9 3 0 1 2 2 0 1			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol	
a. NON-RCRA HAZARDOUS WASTE SOLID CALIFORNIA REGULATED WASTE		No. Type		9 0	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information  ECDC IS A NON-RCRA FACILITY REGULATED BY THE STATE OF UTAH ECDC JOB #94-0384 EMERGENCY PHONE (303)634-2793 RAIL CAR # LAWN 6139		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this 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 international and national government regulations.  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.		17. Transporter 1 Acknowledgement of Receipt of Materials	
Printed/Typed Name <i>John O. Cournauey</i>		Signature <i>John O. Cournauey</i>		Month 10	Day 25
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature <i>Bob Davis</i>		Month 12	Day 26
Printed/Typed Name		Signature		Month	Day
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		Signature		Month	Day

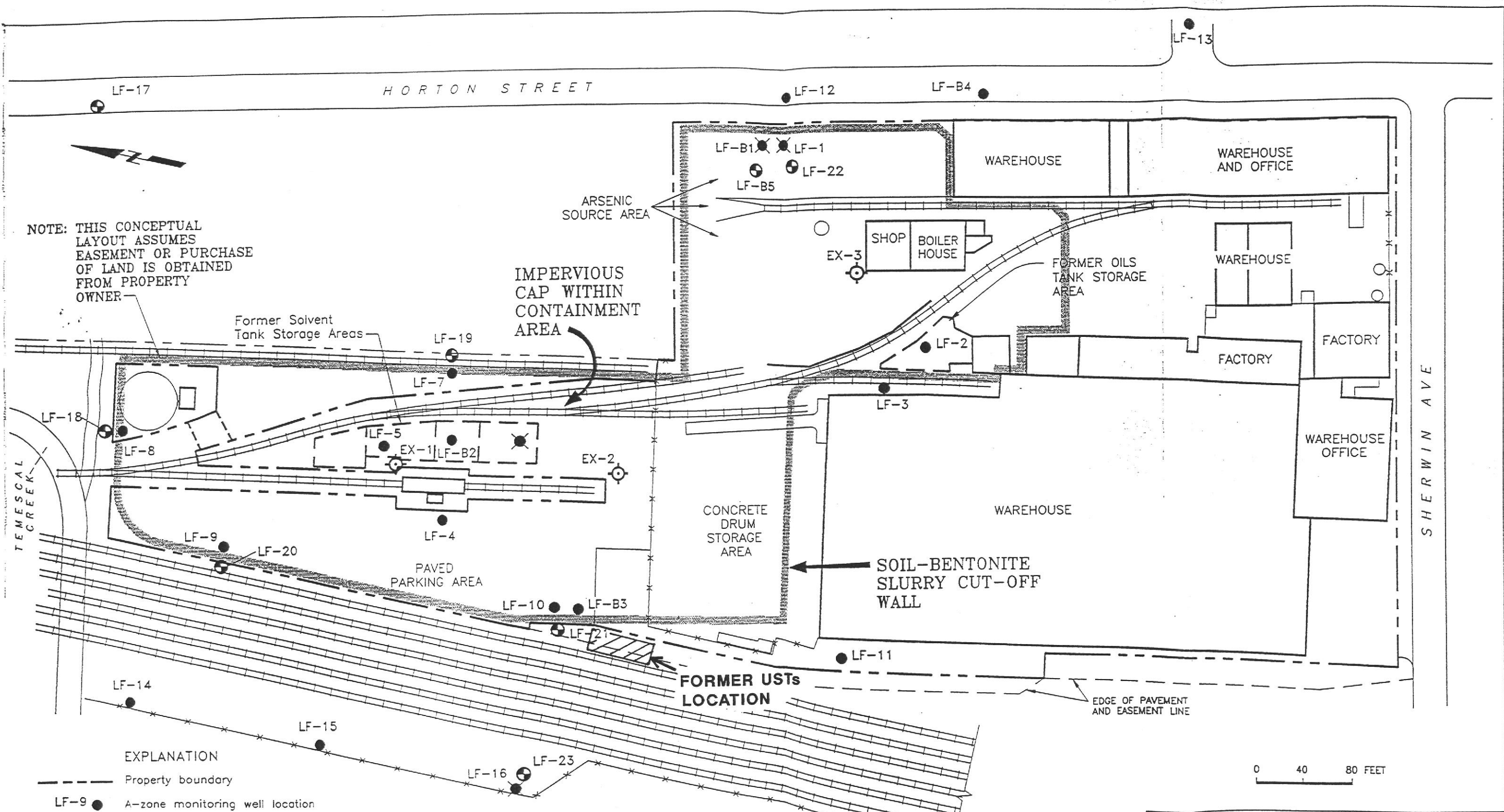
DO NOT WRITE BELOW THIS LINE.



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4. Generator's US EPA ID Number											
5. Transporter 1 Company Name SOUTHERN PACIFIC TRANS. CO.		6. US EPA ID Number C A D 0 0 6 9 1 3									
7. Transporter 2 Company Name		8. US EPA ID Number									
9. Designated Facility Name and Site Address ECDC ENVIRONMENTAL L.C. 1111 WEST HIGHWAY 123 EAST CARBON, UTAH 84520		10. US EPA ID Number U T C 0 9 3 0 1 2									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers								13. Total Quantity	
a. NON-RCRA HAZARDOUS WASTE SOLID CALIFORNIA REGULATED WASTE		No. Type 0 0 1 C M		Quantity		9 0					
b.											
c.											
d.											
IC PROJECT #0510000 SOIL GENERATED FROM BENTONVILLE BANKER C. TANK EXCAVATION				13. Total Quantity		14. Unit Wt/Val					
				0 3							
15. Special Handling Instructions and Additional Information ECDC IS A NON-RCRA FACILITY REGULATED BY THE STATE OF UTAH ECDC JOB #94-0384 EMERGENCY PHONE (303)634-2793 RAIL CAR # SP 337997											
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Printed/Typed Name JOHN O. CAVANAGHI		Signature <i>John O. Cavanaghi</i>				Month 10		Day 25		Year 94	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BOB DAVIS		Signature <i>Bob Davis</i>				Month 10		Day 26		Year 94	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature				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											
Signature				Month		Day		Year			

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 CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7555  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPC  
 GENERATOR



NOTE: THIS CONCEPTUAL LAYOUT ASSUMES EASEMENT OR PURCHASE OF LAND IS OBTAINED FROM PROPERTY OWNER.

**EXPLANATION**

- Property boundary
- LF-9 A-zone monitoring well location
- LF-B3 B-zone monitoring well location
- ⊗ Monitoring well abandoned under permit
- ⊕ Proposed containment area ground-water extraction well location
- ⊙ Proposed ground-water monitoring well or piezometer location

Figure 2 :  
PROPOSED ADDITIONAL MONITORING AND EXTRACTION WELL LOCATIONS

Project No. 1563 **LEVINE•FRICKE**  
ENGINEERS, HYDROGEOLOGISTS, & APPLIED SCIENTISTS

**DRAFT**