



Environmental Services, Inc.

2111 Jennings Street, San Francisco, CA 94124-3224, Phone (415) 822-4555 FAX (415) 822-5290

February 26, 1991
Project Number 5186B

San Lorenzo Unified School District
15510 Usher Street
San Lorenzo, CA 94580
Attention: Deb Cornwall

TANK REMOVAL REPORT
Auxiliary Tank Site
Arroyo School
15701 Lorenzo Avenue
San Lorenzo, California

We are pleased to forward this report to you, the Alameda County Health Care Services Agency, and the Eden consolidated Fire Protection District.

GENERAL

One 45 gallon underground steel gasoline fuel tank has been removed from the Arroyo School site. The underground tank was used to provide fuel for an auxiliary generator in case of power loss.

In accordance with the Underground Tank Closure Permit issued by the Alameda County Health Care Services Agency we are presenting this report. A copy of the approved first page of the Underground Tank Closure Permit is attached.

The Arroyo School is located at 15701 Lorenzo Avenue in San Lorenzo California. Figure 1, Vicinity Map shows the site location with respect to the surrounding area. The tank which was removed was located within the courtyard area adjacent to the parking lot. Figure 2, attached, shows the approximate location of the tank with respect to the buildings and parking lot.

TANK PREPARATION AND REMOVAL

Prior to removal the tank was evacuated of all remaining product and triple rinsed to remove any further product residue. The mixture of product and water was then removed from the site under Uniform Hazardous Waste Manifest procedure. A copy of the manifest number 8991 7572 is attached.

The 45 gallon auxiliary gasoline tank was exposed and on January 3, 1991 the tank was purged of explosive vapors by the insertion of approximately 100 pounds of dry ice. Mr. Vern Brooks, Hazardous Material Engineer of the Eden Consolidated Fire Protection District and Ms. Pam Evans, Hazardous Materials Specialist of the Alameda County Environmental Health Department were on site to observe the procedures and direct the soil sampling.

When the tank was lifted from the excavation, an inspection was made of the tank integrity. After scraping and probing, the tank was noted as being rusted with no holes.

The tank bottom was measured to be about 2.5 feet deep. Further backhoe excavation revealed some imported tank backfill over the natural in-situ soils. No groundwater accumulation was noted in the final 5 foot deep excavation.

The empty, rinsed, and purged tank was then immediately placed on a truck from Erickson Trucking and was delivered to Erickson Trucking in Richmond under Uniform Hazardous Waste Manifest procedures (Tank # 5305). A copy of the Uniform Hazardous Waste Manifest number 8991 7579 is attached.

SOIL SAMPLING

Ms. Evans designated four soil sample locations. Samples 01 and 02 were from the presumed tank backfill at depths of about 2.5 and 3.5 feet below ground surface respectively. Samples 03 and 04 were from the soil below the presumed tank backfill at depths of 4 and 5 feet below ground surface respectively. A backhoe was used to obtain the soil from the excavation for sampling. The location of the four samples are shown on the attached Figure 3, Sample Locations.

The soil samples were collected by a California registered geologist by driving 2 inch diameter by 6 inch long brass tubes into the designated soil. The tubes were capped, sealed, labeled and stored in a cooled ice chest. The samples were then transported to Precision Analytical Laboratory under Chain of Custody protocol for analysis.

LABORATORY ANALYSIS AND PROCEDURES

The four samples were analyzed for Total Petroleum Hydrocarbons as Diesel (TPH-D) and Total Petroleum Hydrocarbons as Gasoline (TPH-G) by the DHS Extraction Method and Total Lead by EPA Method 6010. The laboratory results are tabulated below.

Sample Number	Sample Depth (Feet)	RESULTS OF ANALYSIS		
		TPH-D	TPH-G	Total Lead
01	2.5	ND	ND	11.0
02	3.5	ND	ND	35.0
03	4.0	ND	ND	13.0
04	5.0	ND	ND	0.5

Notes: ppm parts per million
ND Non-Detected at or above the Method Detection Limit.

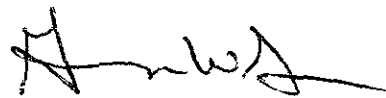
Original signed laboratory certificates from Precision Analytical Laboratory for each analysis are attached.

SOIL HANDLING

As the soil was removed from the tank excavation it was stored on plastic sheeting near the tank area. After sampling and reviewing analytical results it was replaced in the excavation.

If there are any questions please call.

Sincerely



George Wilson
Vice President



John Carver
Civil Engineer 23772



- cc: Alameda County Health Care Services Agency
Department of Environmental Health
ATTN: Ms. Pam Evans
- Eden Consolidated Fire Protection District
ATTN: Mr. Vern Brooks

765# 5186
5186B

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

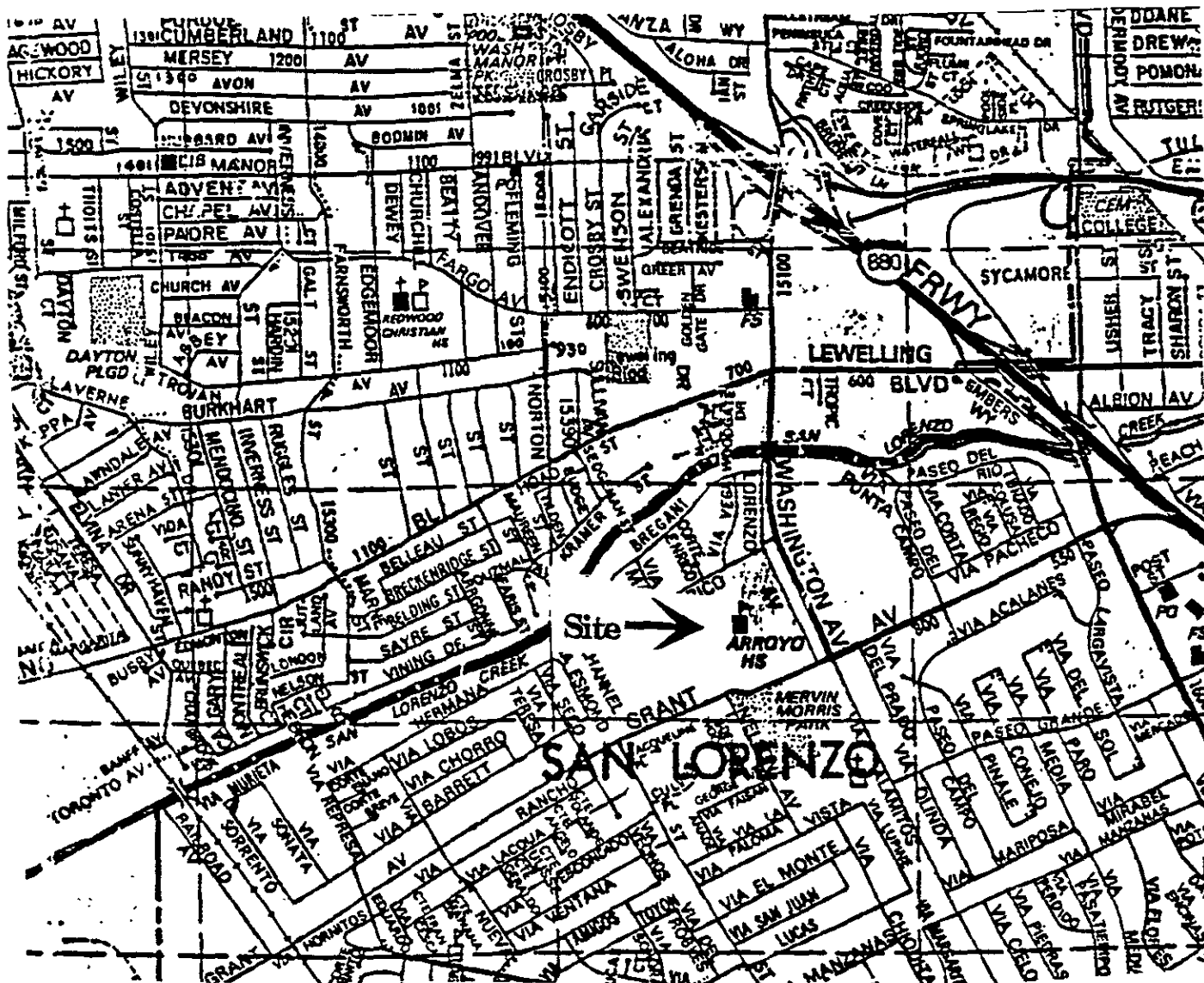
Ob/9e/81 20

ISSUANCE OF A PERMIT TO OPERATE UNDERGROUND TANKS IS SUBJECT TO THE FOLLOWING REGULATIONS:
1. THE TANK MUST BE REGISTERED WITH THE DEPARTMENT OF ENVIRONMENTAL HEALTH.
2. THE TANK MUST BE MAINTAINED IN ACCORDANCE WITH THE REGULATIONS.
3. THE TANK MUST BE INSPECTED BY THE DEPARTMENT OF ENVIRONMENTAL HEALTH AT LEAST ONCE A YEAR.
4. THE TANK MUST BE CLOSED OR MODIFIED IN ACCORDANCE WITH THE REGULATIONS.
5. THE TANK MUST BE REMOVED OR DESTROYED IN ACCORDANCE WITH THE REGULATIONS.

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

- Business Name San Lorenzo Unified School District-Arroyo High School
Business Owner San Lorenzo Unified School District
- Site Address 15701 Lorenzo Avenue
City San Lorenzo Zip 94580 Phone (415) 276-2260
- Mailing Address 15510 Usher Street
City San Lorenzo Zip 94580 Phone (415) 276-3600
- Land Owner San Lorenzo Unified School District
Address 15510 Usher Street City, State San Lorenzo, CA Zip 94580
- EPA I.D. No. CAC000277721
- Contractor Lindsay & Wilson Environmental Services, Inc.
dba, L. & W. Environmental Services, Inc.
Address 2111 Jennings Street
City San Francisco, CA. 94124 Phone (415) 822-4555
License Type A, B, Haz. Substance ID# 507442
- Consultant N/A
Address _____
City _____ Phone _____



L & W Environmental Services, Inc.

2111 Jennings Street
San Francisco, California

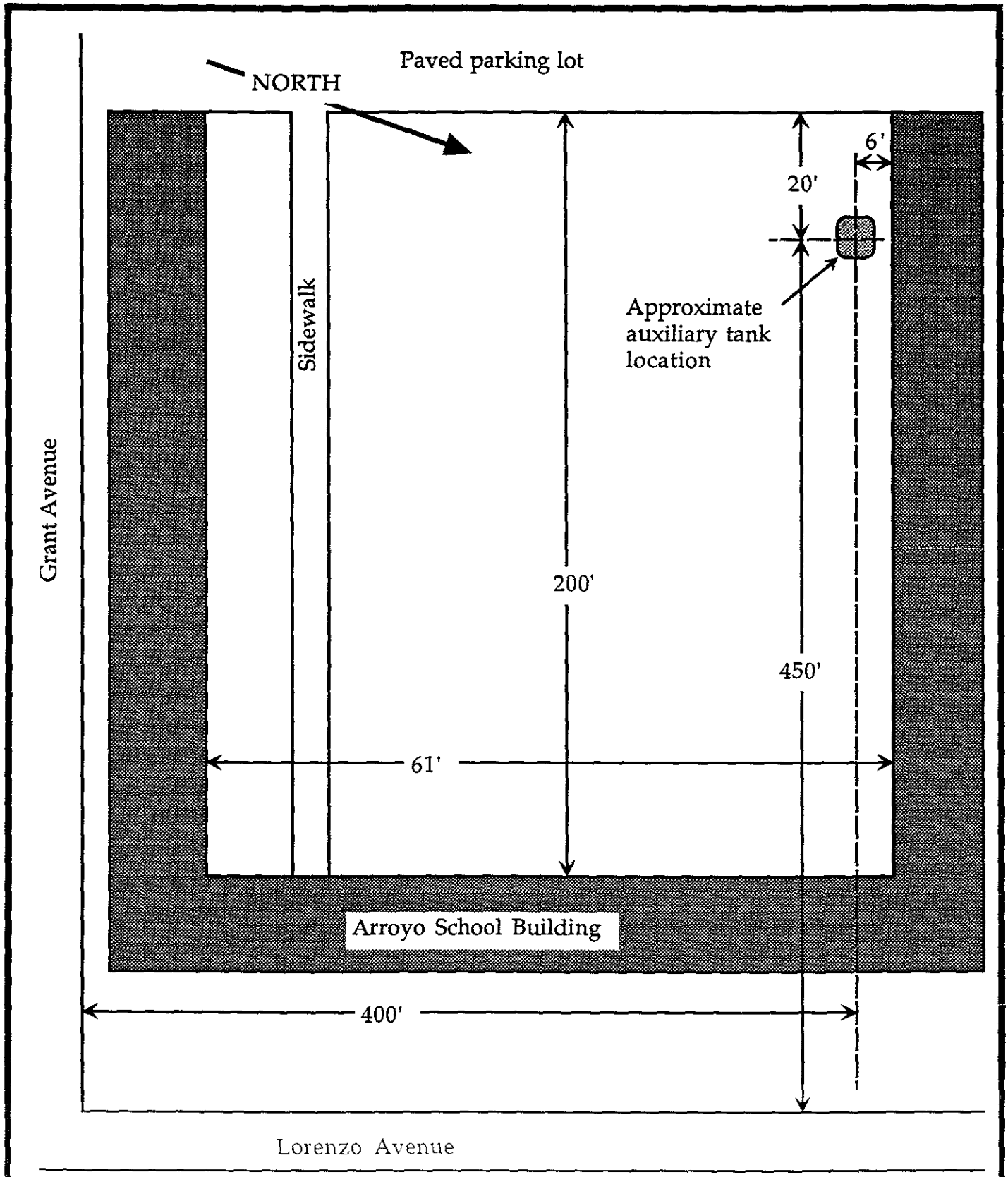
Vicinity Map
Auxiliary Tank
Arroyo High School
San Lorenzo, California

Project Number: 5186B

Drawn by: JNC

Date: February, 1991

Figure Number: 1



L & W Environmental Services, Inc.
 2111 Jennings Street
 San Francisco, California

TANK LOCATION PLAN
 Auxiliary Fuel Tank
 Arroyo School
 San Lorenzo, California

Project Number: 5186B

Drawn by: JNC

Date: February 1991

Figure Number: 2

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **CAC00002777211715712** Manifest Document No. **11715712** Page **1** of **1** Information not required by Federal Law

1. Generator's Name and Mailing Address
**San Lorenzo Unified School District/Arroyo High School
15510 Usher Street, San Lorenzo, CA 94580
Generator's Phone: 415 176-3600**

A. State Hazardous Waste Document Number
89917572

5. Transporter 1 Company Name
Allied Oil and Pumping

6. US EPA ID Number
CAE000014277

C. State Transporter's ID
D. Transporter's Phone (408) 432-0333

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
**Refineries Services
13331 No. Highway 33
Patterson, CA 95365**

C. US EPA ID Number
CAIAD108131161671218

G. State Facility's ID
CA0008311667213
H. Facility's Phone
(800) 874-4444

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt./Vol	15. Waste No.
	No.	Type			
a. Waste, Hazardous Waste, N.O.S., Combustible Liquid, NA 1993	0101	TIP	30	G	State: 221 EPA/Other: D001
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

13. Additional Descriptions for Materials Listed Above
**DIESEL ARROYO SCHOOL
15701 LORENZO AVE, SAN LORENZO, CA.**

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN HANDLING. KEEP MATERIAL AWAY FROM SOURCES OF IGNITION. GLOVES AND GOGGLES REQUIRED.

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 reduce the waste generated and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Richards** Signature: **Richards** Month Day Year: **12/1/90**
on behalf of San Lorenzo U.S.D. on behalf of San Lorenzo U.S.D.

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **RICH JOHNS** Signature: **Rich** Month Day Year: **12/1/90**

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:

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-USE-7-5353

Do Not Write Below This Line

When TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 2000 Sacramento, CA 95812

89917579

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7650

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA C100027779211/17151719
2. Page 1 of 1
3. Generator's Name and Mailing Address: SAN LORENZO UNIFIED SCHOOL DISTRICT-ARTOYO H.S. 1510 USHER ST, SAN LORENZO, CA 94580
4. Generator's Phone: (415) 276-3600
5. Transporter 1 Company Name: JACKSON, INC.
6. US EPA ID Number: CA D1001941616392
7. Transporter 2 Company Name: Trident Truck hire
8. US EPA ID Number: CA D0982484370
9. Designated Facility Name and Site Address: JACKSON, INC. 275 PARK Blvd. RICHMOND, CA 94806
10. US EPA ID Number: CA D1001941616392
11. State Manifest Document Number: 89917579
12. State Generator's ID
13. State Transporter's ID: 107569
14. Transporter's Phone: 415-783-2831
15. State Transporter's ID
16. Transporter's Phone
17. State Facility's ID: CA D1010941616392
18. Facility's Phone

Table with 5 columns: US DOT Description, Containers No., Containers Type, Total Quantity, Unit. Row 1: CALIFORNIA REGULATED WASTE ONLY, 0102 TIP, 161100 P, State: 512, EPA/Other: NONE

J. Additional Descriptions for Materials Listed Above: empty Diesel Tank # S304, empty gas tank # S305, empty nested in 15 lb dry ice per 1000 gal

16. Special Handling Instructions and Additional Information: KEEP AWAY FROM SOURCES OF IGNITION. WEAR HARDHAT AND STEEL TOED BOOTS WHEN HANDLING.

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.

17. Generator's Signature: DEB CORNWELL, Date: 8/10/91

18. Transporter 1 Acknowledgement of Receipt of Materials: Jeff Mann, Date: 10/10/91

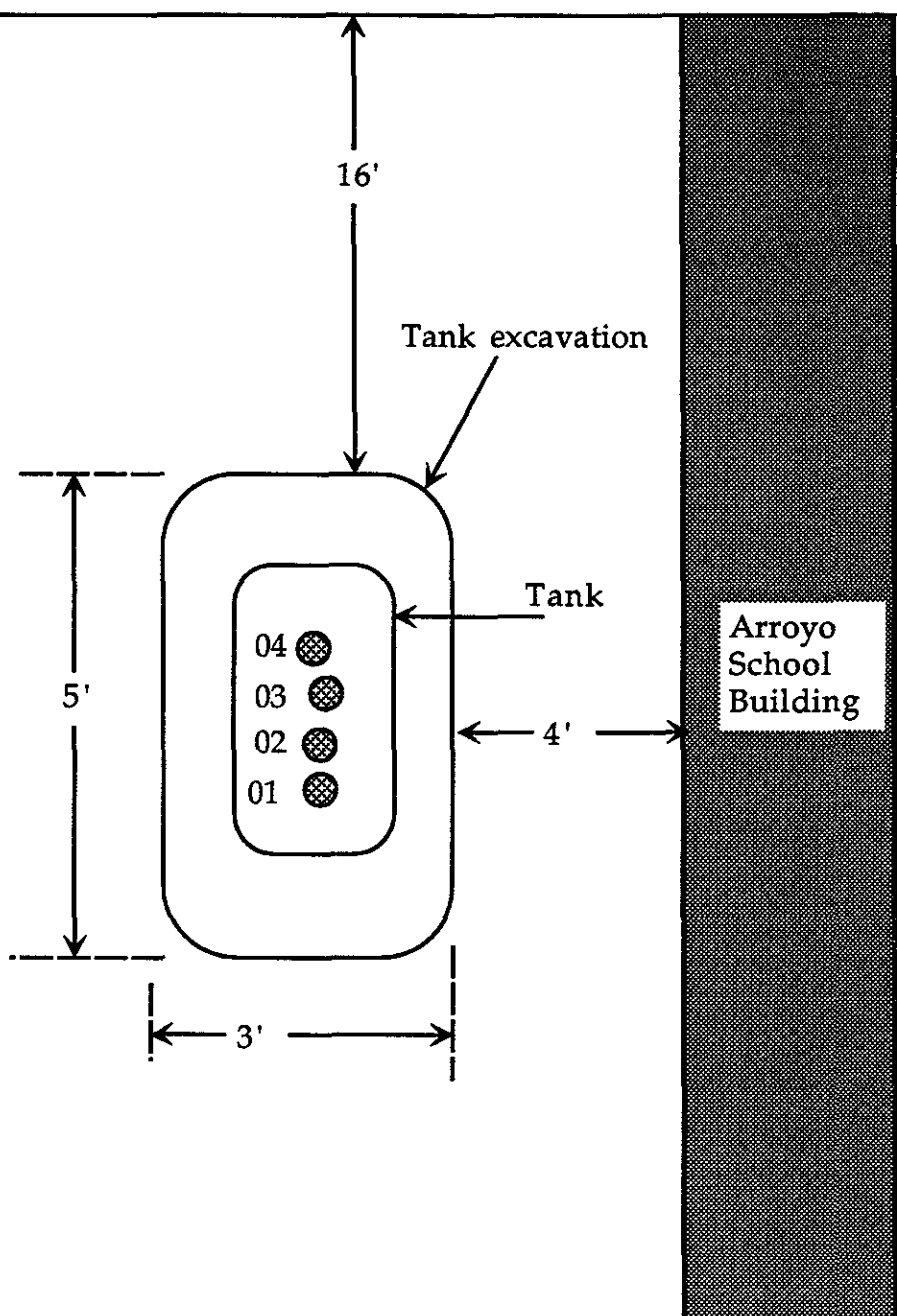
19. Transporter 2 Acknowledgement of Receipt of Materials

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

21. Facility Owner or Operator Signature: Ronald H. Johnson, Date: 10/10/91

Do Not Write Below This Line

White: TSD/ SENDS THIS COPY TO DHS WITHIN 30 To PO Box 3000 Sacramento CA 95833



Approximate sample location

Not to scale

L & W Environmental Services, Inc.
2111 Jennings Street
San Francisco, California

SAMPLE LOCATION PLAN
Auxiliary Fuel Tank
Arroyo School
San Lorenzo, California

Project Number: 5186B

Drawn by: JNC

Date: February, 1991

Figure Number: 3

CHAIN OF CUSTODY

SAMPLERS: (Signature) <i>James A Jacobo</i>		ANALYSIS REQUESTED
PROJECT NAME: Arroyo High School; San Lorenzo School Dist.	JOB NUMBER:	
DESCRIPTION: Auxiliary Generator (AG) Tank		
ADDRESS: Lorenzo Ave, San Leandro		

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	ANALYSIS REQUESTED					REMARKS	
						TOTAL PETROLEUM HYDROCARBONS	BTEX & E	VOC - EPA 8240	TOTAL OIL & GREASE	TETRAETHYL LEAD		
01 AG	1/3/91	1247	X		2'6" depth (base of tank)	X						
02 AG	1/3/91	1250	X		3'5" depth	X						
03 AG	1/3/91	1252	X		4' depth	X						
04 AG	1/3/91	1259	X		5' depth Native Soil	X						

RELINQUISHED BY: (Signature) <i>James A Jacobo</i>	DATE: 1/3/91 TIME: 5:15	RECEIVED BY: (Signature) <i>Kubwender Pichu</i>	DATE: 1/3/91 TIME: 5:15pm
RELINQUISHED BY: (Signature)	DATE: _____ TIME: _____	RECEIVED BY: (Signature)	DATE: _____ TIME: _____
RELINQUISHED BY: (Signature)	DATE: _____ TIME: _____	RECEIVED BY: (Signature)	DATE: _____ TIME: _____
RELINQUISHED BY: (Signature)	DATE: _____ TIME: _____	RECEIVED FOR LABORATORY BY: (Signature)	DATE: _____ TIME: _____

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 01/03/91

Reported: 01/08/91

Job #: 72137

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Arroyo High School - San Lorenzo School District
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/kg

Lab ID	Client ID	Diesel	MDL	Gasoline	MDL
72137-1	01 (AG)	ND<10	10	ND<10	10
72137-2	02 (AG)	ND<10	10	ND<10	10
72137-3	03 (AG)	ND<10	10	ND<10	10
72137-4	04 (AG)	ND<10	10	ND<10	10

QA/QC: Spike Recovery for Diesel: 97%
Spike Recovery for Gasoline: 97%

MDL: Method detection limit; Compound below this level would not be detected.

Sumindu Sidhu (For)
Jaime Chow
Laboratory Director

JC/dc

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 01/03/91
Reported: 01/08/91
Job #: 72137

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Arroyo High School - San Lorenzo School District
Matrix: Soil

Total Lead Analysis
EPA 6010 / Prep Method 3050
mg/kg

Lab ID	Client ID	Total Lead	MDL
72137-1	01 (AG)	11.0	1.1
72137-2	02 (AG)	35.0	1.1
72137-3	03 (AG)	13.0	1.1
72137-4	04 (AG)	5.0	1.1

QA/QC: Spike Recovery for Total Lead: 100%

MDL: Method detection limit; Compound below this level would not be detected.

Jaime Chow

Jaime Chow
Laboratory Director

JC/dc