

May 24, 1991

Mr. Martin Clark
Martin W. Clark Construction Co.
P.O. Box 295
Hayward, Ca.

Re: Clark's Woodworking Tank Pull

Dear Mr. Clark,

Enclosed please find the final report of methods and findings for the tank removal project at 2620 Norbridge Ave., Castro Valley. ASE's receipt of the disposal certificate had delayed this submittal to some degree.

If you have questions or concerns, please call.

Respectfully,

Aqua Science Engineers

Greg Gouvea Geologist

cc. Mr. Scott Seery, Alameda County Health Mr. Bob Bowman, Castro Valley Fire



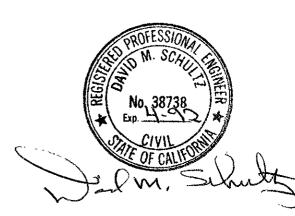
April 15, 1991

PROJECT REPORT

UNDERGROUND STORAGE TANK REMOVAL ASSESSMENT
a t
CLARK'S WOODWORKING
2620 NORBRIDGE AVE.
CASTRO VALLEY, CA

Prepared for:

Martin W. Clark Construction Co. Hayward, Ca.



Submitted by:

Aqua Science Engineers 2500 Old Crow Canyon Road, #121 San Ramon, CA 94583 (415) 820-9391

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1.0 INTRODUCTION

Aqua Science Engineers was contracted by the general contractor to supervise and document underground storage tank excavation, removal, and soil sampling activities at Clark's Woodworking, 2620 Norbridge Ave., Castro Valley, Ca. (Figure 1). The subject tank was a 4 foot diameter by 6 foot long, 550 gallon bare steel tank which was reportedly installed in 1973. The tank had contained only gasoline during it's service life, and had passed an integrity test in December, 1990.

The following activities were performed on or before March 28, 1991, and are documented in the following report.

- o Obtain all necessary permits;
- o Excavate, remove, and dispose of underground storage tank;
- o Sample soils;
- o Overexcavate pit, resample soils;
- o Prepare a report of methods and findings.

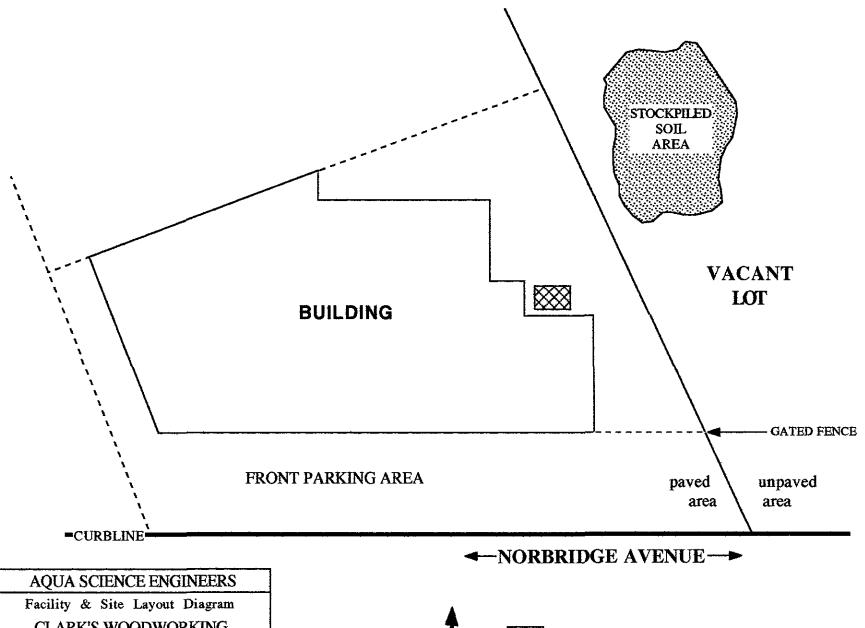
2.0 PERMITS

A permit to remove the underground storage tank was obtained from the Alameda County Health Care Services Agency, Dept. of Environmental Health, Hazardous Materials Division. The Bay Area Air Quality Management District was notified of tank removal as per Regulation 8, Rule 40. Copies of the permit and notification documents are contained in Appendix A.

3.0 EXCAVATION

Prior to excavation, Mr. Martin Clark inspected the tank area and removed all remaining product from the vessel into a vehicle gas tank.

The concrete surface cover was saw cut and removed on March 27, 1991. The dispenser was located directly over the tank, and was disconnected and removed. No overspill prevention device was in place. The connection between the tank riser (one foot of pipe) and the dispenser was significantly stained and may have leaked. Vent piping was removed.



Facility & Site Layout Diagram CLARK'S WOODWORKING 2620 Norbridge Ave. Castro Valley, CA

-FIGURE ONE-

APPROX. SCALE: 1"=20'



- TANK and DISPENSER LOCATION

The original tankpit backfill, comprised of imported medium to coarse grained sand with little or no silt and clay, was excavated, exposing the tank top and three sides. The original tankpit backfill was observed to exude gasoline odors. Organic Vapor Meter (OVM) readings were measured in shovel size mini excavations into the backfill stockpile at two locations. OVM readings were 28 and 380 ppm.

4.0 TANK REMOVAL PROCEDURES, FINDINGS

On the morning of March 28, 1991, approximately 170 lbs. of dry ice was inserted through the bungs into the tank. A 5/8" line was attached to the only uncapped tank opening, and vapors were exhausted about 50 feet away from the working area. Upon completion of tank removal procedures, excavation was continued to 11 feet depth below grade.

The tank removal operations were witnessed by the Castro Valley Fire Department official Mr. Bob Bowman, Mr. Scott Seery of the Alameda County Health Care Services, Hazardous Materials Division, and ASE representative Mr. Greg Gouvea.

After verifying a safe LEL of the tank atmosphere (9% LEL, 1% O2), the vessel was removed from the excavation with a backhoe/loader. The tank was brushed and scraped to remove adhering soil. Tank construction consisted of 1/4" plate steel with welded seams. No protective coatings were evident on the tank exterior. Minor corrosion of the tank exterior bottom was noted, along with easily noticed pitting of the bottom and lower sides. No visible holes were seen by witnessing personnel. The tank bottom had rested at 5 feet 2 inches depth below grade, with the original tankpit excavation limit at 5 feet 4 inches depth.

The pit walls down to about 5 feet depth were found to consist of dark gray silty clay. Below this depth the native materials consisted of olive gray, silty claystone with rusty fracture and bedding planes. Some slickensides were noted on one to three inch diameter chunks which exhibited patterned weathering. The weathered claystone was placed in two separate piles, one representing approximately 5-10 feet depth and the other representing about 10-11 feet depth. OVM measurements were obtained from each of the two piles, by methods previously described. The 5-10' pile yeilded 5 OVM readings between 432 and 4,232 ppm. OVM readings of 1,395 and 1,228 were measured from the 10-11' pile.

The tank was removed from the excavation, inspected, and loaded onto a flatbed truck in one continuous operation. Transportation under hazardous waste manifest was by and to the Erickson Tank Disposal Facility in Richmond, Ca. Copies of all Hazardous Waste Manifest and Tank Disposal Certificates are contained in Appendix B.

5.0 SAMPLING AND ANALYSIS

Two soil samples were obtained from the backhoe bucket. sample SS-1 represents soils from beneath the middle of the tank at about 6 feet depth. SS-2 was procured from 11 feet depth below grade, under the middle of the tank. Soil from the desired sampling depth was brought to the surface with the backhoe bucket. samples were collected into 2 inch by 6 inch brass tubes which had been precleaned with brushes and a TSP solution, then rinsed with tap water. The sample tubes were driven into the soils until no free air space remained, then sealed with plastic caps and tape. secured samples were labled and placed into a cooler with ice for transport to a State Certified Hazardous Waste Analytical Laboratory (#238) for analysis of total petroleum hydrocarbons (TPH) as gasoline (EPA methods 5030/8015) with benzene, ethylbenzene, and total xylenes (BTEX) distinction (EPA method QA/QC data is summarized on the laboratory reports contained in Appendix C.

Soil sample #1 (SS-1,6') was found to contain 1,000 ppm TPH as gasoline with 16,000 ppb benzene, 24,000 ppb toluene, 13,000 ppb ethylbenzene and 25,000 total xylenes. SS-2,11' yeilded 1.2 ppm TPH as gas, and 440, 21, 17, and 9.3 ppb BTEX, respectively (Table 1). Analyses for organic lead indicated levels below the method detection limit of 0.5 ppm for both soil samples.

TABLE ONE: RESULTS OF SOIL SAMPLE ANALYSES

Soil Sample #	TPH gasoline mg/kg	benzene ug/kg	toluene ug/kg	ethyl benzene ug/kg	total xylenes ug/kg
SS-1, 6'	1000	16000	24000	13000	25000
SS-2, 11'	1.2	440	21	17	9.3

mg/kg = parts per million ug/kg = parts per billion

6.0 CONCLUSIONS, RECOMMENDATIONS

ASE was contracted to supervise and document the removal of one 550 gallon underground gasoline storage tank from Clark's Woodworking at 2620 Norbridge Ave., Castro Valley, Ca. The tank was installed in 1973, with the dispenser directly over the tank. Fittings between the tank riser and the dispenser appeared to be a potential source for an unauthorized release of gasoline. Upon removal, the uncoated steel tank was noted to be visibly pitted though no holes were seen. The tank had recently passed an integrity test.

A soil sample obtained from 6 feet depth below grade (10 inches below tank bottom) yeilded 1,000 ppm TPH as gasline with BTEX concentrations in the ppm range. The tankpit bottom was further excavated to 11 feet depth and a soil sample was obtained from the backhoe bucket. This soil sample indicated 1.2 ppm TPH as gas with detectable amounts of each BTEX constituent. Organic lead concentrations were measured in both samples and was not detected. No groundwater was encountered during the excavation.

An unauthorized release form must be completed and distributed by the owner. ASE recommends that further excavation of soils and verification sampling be conducted to assure complete removal of gasoline contaminated soil from the area of the removed tank.

Groundwater will likely be encountered during subsequent excavation, and installation and sampling of a groundwater monitoring well will likely be required due to the presence of petroleum hydrocarbons at the levels of up to 1,000 ppm with BTEX in the ppm range.

APPENDIX A PERMITS

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

32. E

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1.	Business Name Cla	rk's Woodworking		
	Business OwnerLaw	rence O. Clark		
2.	Site Address262	O Norbride Ave		· · · · · · · · · · · · · · · · · · ·
	CityCastro Valley,	CA. Zip	94546 Phone	538-9511
3.	Mailing Address26	20 Norbridge Ave.		
	CityCastro Valley,	Zip	94546 Phone	538-9511
4.	Land OwnerLawrence			
	Address 2620 Norbrid	ge Ave city, S	tate Castro Valle	y, CA, Zip 94546
5.	EPA I.D. NoCAC 000			
	Contractor Martin			
	Address P.O. Bo			
	City Hayward, C/		Phone	886-5232
	License Type A-Gen			
7	ConsultantAQUA_SCI			
<i>'</i> •	Address P.O. Box			N
			820-0301	
	city San Ramon	Pho	ne <u>020-3331</u>	

8. Contact Person for Investigation	
Name Larry Clark	TitleOwner
Phone538-9511	
9. Total No. of Tanks at facility	1
10. Have permit applications for all office? Yes [X]	tanks been submitted to this
11. State Registered Hazardous Waste	Transporters/Facilities
a) Product/Waste Tranporter	
Name Erickson Inc.	EPA I.D. No. CAD 009466392
	StateCA. Zip
b) Rinsate Transporter	
NameErickson Inc.	EPA I.D. No. CAD 009466392
	StateCAZip
c) Tank Transporter	
NameErickson Inc.	EPA I.D. No. CAD 009466392
Address 255 Parr Blvd.	
City Richmond,	State CA. Zip
d) Tank Disposal Site	
Name Erickson Inc.	EPA I.D. No. CAD 009466392
Address 255 Parr Blvd.	•
	State CA. Zip
e) Contaminated Soil Transporter	51p
-	EPA I.D. No. CAD 009466392
Address 255 Parr Blvd.	EFR 1.D. NO. CAD 007400392
CICY	State CA. Zip

	Name	AQUA SCIENCE ENGINEERS	S INC.	
	Com	pany AQUA SCIENCE ENGINE	ER INC.	
	Addı	ressP.O. Box 535		
13	٠, ١	San Ramon Sing Information for each		Phone 820-9391
13.	. sampri	ing intormation for each	n tank or area	
		Tank or Area	Material	Location
Cap	acity	Historic Contents (past 5 years)	sampled	& Depth
55 ^C	5-	CASCLINE	SCIL (AND WATER IF EXXCUNTERED)	W/IN 2' OF NATTUE SOLL-BACKFILL INTERFACE
14.		anks or pipes leaked in		
15.	If yes	ethods used for render; , describe. purging with	dry ice at rate of 30 11	os. per 1,000 gal of
	or Pa	k capacity until vapor cont TR LOCAL FIRE EXTP losion proof combustible mertness.	REQUIREMENTS	
16.	Laborat	tories		٠
	Name _	PACE LABORATORIES INC		
	Address	11 DICTUAL DRIVE		
	city	NOVATO	StateCAZ	ip 94949
	State (Certification No.	48	

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TPH- 6-	5030	DHY,-LUFT METHED (CCFID)
BIEX		EPA METHED 2020 OR EZHO
TEL EDB		DHS-AB1803

- 18. Submit Site Safety Plan
- 19. Workman's Compensation: Yes [X] No []

Copy of Certificate enclosed? Yes [X] No []

Name of Insurer State Farm Ins.

- 20. Plot Plan submitted? Yes [X] No []
- 21. Deposit enclosed? Yes [X] No []
- 22. Please forward to this office the following information within 60 days after receipt of sample results.
 - a) Chain of Custody Sheets
 - b) Original Signed Laboratory Reports
 - c) TSD to Generator copies of wastes shipped and received
 - d) Attachment A summarizing laboratory results

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 Saftey and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. 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.

Signature of	Contractor	
Name (pleas	se type) Martin W. Clark Const. Co.	
Signature .	Matin W. Wark	
Date Jan.	. 23, 1991	
•	Site Owner or Operator	
Name (pleas		
Signature .	Charles Charles	
Date Dife	13. 14.14	

NOTES:

- 1. Any changes in this document must be approved by this Department.
- Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
- 3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
- 4. After approval of plan, notification of at least two (2) working days (48 hours) must be given to this Department prior to removal of tank(s).
- 5. A copy of your approved plan must be sent to the landowner.
- 6. Triple rinse means that:
 - a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.
 - b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.
 - c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

7. Any cutting into tanks requires local fire department approval.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)
SS-1, 6'	TPH as gasoline benzene toluene ethylbenzene	beneath tank bottom, 6' depth 	1,000 ppm 16,000 ppb 24,000 ppb 13,000 ppb
SS-2, 11¹	total xylenes		25,000 ppb
35-2, 11	TPH as gasoline benzene toluene ethylbenzene total xylenes	beneath tank bottom, 11' depth	1.2 ppm 440 ppb 21 ppb 17 ppb 9.3 ppb
SS-1, SS-2	organic lead	as described	both less than 0.5 pp

INSTRUCTIONS

2. SITE ADDRESS

Address at which closure or modification is taking place.

5. EPA I.D. NO.

This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR

Prime contractor for the project.

7. OTHER

List professional consultants here.

12. SAMPLE COLLECTOR

Persons who are collecting samples.

13. SAMPLING INFORMATION

Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES

Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:

All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:

Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN

A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

The plan should consists of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale
- b) North Arrow
- c) Property Line
- d) Location of all Structures
- e) Location of all relevant existing equipment including tanks and piping to be removed
- f) Streets
- g) Underground conduits, sewers, water lines, utilities
- h) Existing wells (drinking, monitoring, etc.)
- i) Depth to ground water
- j) All existing tanks in addition to the ones being pulled

rev. 9/88 mam

- A. Fire Department Inspection Requirements
 - 1. The fire department is to be notified 48 hours prior to tank removal to set up inspection.

- Notify the fire department the morning of tank removal to confirm time when purging of the tanks will begin, and estimated time when tanks will be adequately purged and ready for removal.
- 3. Prior to removal of the tank, inspection by the fire department is required.
- B. General Procedures for Underground Tank Removal
 - Secure site from unauthorized entry and eliminate any potential ignition sources from the area. Post applicable warning signs as necessary. i.e, no smoking or open flame.
 - 2. Maintain two 2A 20BC minimum fire extinguishers on site.
 - Drain and flush all piping into tank or appropriate container for disposal.
 - 4. Prior to excavation, remove all flammable liquid and sludge from the tank. It may be necessary to utilize a hand pump to remove the bottom few inches.
 - 5. Dig down to the top of the tank and remove fill tube and all piping to tank.
 - Prior to complete excavation of tank and its removal, the tanks must be purged of flammable and combustible vapor.

If dry ice is used, minimum of 30 pounds dry ice to every 1,000 gallons of tank capacity shall be used. Purging is considered adequate when vapor contents are below 15 percent of the lower explosive limits of the product and the 0_2 percent is below 5 percent. This requires that the tank be tested using a meter that indicates the percentage reading of the lower explosive limits, and oxygen percentage. The contractor is required to supply the meter.

It is the intent to purge the tanks prior to a large excavation hole being created, and to purge vapors at a height which will prevent accumulation of vapors in low spots. This will require a vent pipe be connected to the tank to permit purging of vapors at least five feet above grade. Care must be taken to assure vapors are being vented into a safe location free of possible ignition sources.

- 7. Once the tank has been purged, plug and cap all holes. Use screwed (boiler) plugs to plug any corrosion leak holes. One cap should have a 1/8 inch vent hole to prevent the tank from being subjected to excessive pressure changes (locate at upper most point of tank.
- 8. Complete excavation and removal of tank. Once removed, check tank for any damage or holes and plug such. Recheck tank for adequate purging and re-purge if necessary.
- 9. The tank is required to be removed from the site upon removal from the ground, and tanks shall not be left unattended at any time.
- 10. If the hole is going to be left unfilled, fencing (minimum six feet high) shall be placed around the site to prevent unauthorized entry.

is to certify that		RE AND CASUALTY COMPA ENERAL INSURANCE COMP		
s in force for	CLARK, MARTIN W. I	DEA MARTIN CLARK	CCNSTRUCTION	
		Name of P		ger - Topy K
-	,	Address of I	Policyholder	
-	HAYWARD, CA 94543	<u>}</u>		
ation of operations	VARIOUS			
_			***************************************	
following coverages f	or the periods and limits indicated	below		
OLICY NUMBER	TYPE OF INSURANCE	POLICY PERIOD (eff /exp)	LIMITS OF	LIABILITY
1-5406-0F	X Comprehensive General Liability	8/1/90-8/1/91	Dual Limits for	BODILY INJURY
	Manufacturers' and Contractors' Liability		Each Occurrence Aggregate	\$
I	Owners', Landlords' and Tenants' Liability			PROPERTY DAMAGE
The above insurance inclu (annicable if indicated by		D OPERATIONS	Each Occurrence Aggregate*	\$
	OWNERS OR CONTRAC CONTRACTUAL LIABILIT BROAD FORM PROPER	OWNERS OR CONTRACTORS PROTECTIVE LIABILITY		BODILY INJURY AND PROPERTY DAMAGE
DLICY NUMBER		HENSIVE GENERAL LIABILITY	Each Occurrence Aggregate	s 500,000 s 500,000
- LICT NUMBER	TYPE OF INSURANCE	POLICY PERIOD (eff /exp.)	CONTRACTUAL LIABILITY I	LIMITS
	(*)		Each Occurrence	\$
			Each Occurrence	PROPERTY DAMAGE
			Aggregate	\$
	EXCESS LIABILITY		Combined Single Limit for	BODILY INJURY AND PROPERTY DAMAGE
	Umbrella Other		Each Occurrence	\$
			Aggregate	\$
7-99-4288-1F	Workers Compensation X and Employers	8/1/90-8/1/91	Part 1 STATUTORY Part 2 BODILY INJURY Each Accident	s 100,000
-	Liability		Disease Each Employee	\$ 500,000
			Disease Policy Limit	\$
THE CERTIFICATI	not applicable if Owners' Landlords, and E OF INSURANCE IS NOT A CON' FERS THE COVERAGE APPROVE	TRACT OF INSURANCE AND N	EITHER AFFIRMATIVELY NOR	
-	HAT IT IS THE INTE			אר (זמן מאינ
ITEN NOTICE	PRIOR TO THE CANC TED IN THIS CERTIF	ELLATION OF, OR F		
NAME AND AD	DRESS OF PARTY TO WHOM CERTI	FICATE IS ISSUED		
	S WCODWORKING	·	JANLARY 22	1991
	NORBRIDGE AVE. O VALLEY, CA 9454	6	JANUARY 22	The same of the sa
•			Signature of Authors	•
			AGENT - 2526 Title	I mente e i mente di una se sono mano e mangina di panggan da panggan da se



MANAGEMENT DISTRICT

949 ELLIS STREET SAN FRANCISCO, CALIFORNIA 94109 (415) 771-6000

March 22, 1991

ATTENTION: Rosanne

Aeration of Contaminated Soil and Removal of Underground Storage Tanks

NOTIFICATION FORM

Removal or Replacement of Tanks

Excavation of Contaminated Soil

TE ADDRESS	2620 Norbridge Ave					
City, STATE, ZIP	Hayward, Ca. 94546					
WNER NAME	Clark's Woodworking					
PECIFIC LOCATION OF PROJECT						
TANK REMOVAL	CONTAMINATED SOIL EXCAVATION					
CHEDULED STARTUP DATE	SCHEDULED STARTUP DAYE 3-28-91					
VAPORS REMOVED BY:	STOCKPILES WILL BE COVERED? YES X HO	ı				
WATER WASH	ALTERNATIVE METHOD OF AERATION (DESCRIBE BFLOW)	:				
[X] VAPOR FREEING (CU ²) [] VENTILATION	(MAY REQUIRE PERMIT)	-				
	CONTRACTOR INFORMATION					
NAME Martin W. Clark Co	onst. Co. CONTACT Marty Clark					
DORESS P.O. Box 295						
	Ca. 94543	10 10 10 10 10 10 10 10 10 10 10 10 10 1				
	CONSULTANT INFORMATION (IF APPLICABLE)					
ME AQUA SCIENCE ENGI	NEERS INC. CONTACT Micharl Dirk					
ADDRESS P.O. 535						
IV. STATE, ZIP San Ramon						
and the same of th						
R OFFICE USE ONLY						
TE RECEIVED	BY					
CC: INSPECTOR NO.	(INIT.) DATE BY					
11707 601107 1101	DATE BY (INIT.)					
TELEPHONE UPDATE: CALLER_	CHANGE MADE					
BAGMD N #						
_						

SITE INFORMATION

APPENDIX B HAZARDOUS WASTE MANIFEST, TANK DISPOSAL CERTIFICATE

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US E	310000000000	Manifest cument No.	2, 1				he shaded are by Federal lav
3. Generator's Name and Mailing Address	(- 191K) Woodwig 2620 North Ja	arking	,,	no Manifest	(906	4938
4. Generator's Phone (1/5) 5 7 4 - 5. Transporter 1 Company Name	7511	US EPA ID Number	Que 41		ite Generato			
ETICKSON Truck 7. Transporter 2 Company Name	ing IAC. 10			D. Tra	ite Transpor naporter's i	honel	75)	235/3
7. Iransporter 2 Company Name	ψ 8. I	US EPA ID Number	1 1 1		te Transpor neporter's P		·	
9. Designated Facility Name and Site Address Erickson, Inc.	es 10	. US EPA ID Number	 	G. Sta	te Facility's	10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*************************************
255 Parr Blvd.				H Fa	Mity's Phon		لللا	
Richmond, Ca. 94801	င	A D D D D 9 4 6 6	9 2				235	-1393
11. US DOT Description (including Proper St	hipping Name, Hazard	Class, and ID Number)	12. Cont	ainers Type	13. Tota Quai		14. Unit Wt/Vol	f. Waate
Maste Empty Storage Tan	ık			1,7,50			VII./ V OI	State 312
NON-RCRA Hazardous Wast	e Solid.		001	T P	اگا ا	00	P	EPA/ON NO
b.			Total IV			<u>~ [~</u>		State
			1 1 1			,		EPA/Other
C.								State
			1.					EPA/Other
d.	······································							State
) '		l			EPA/Other
Qty Empty Storage . Tank (s)	Tank (s) # have been	S9/S. Inerted with 15	lbs.	a. C.	ndling Code	5 TOT 14	b.	
Dry Ice per 1000 Cal. C	apacity.	S915, inerted with 15	lbs.	4.		o tor w	b.	
Tank (s) Dry Ice per 1000 Gal. C 15. Special Handling instructions and Addition Keep away from sources U.S.T.'s 24 Hr. Conta	nal Information	. Always your h	a edbata	6.			b.	
16. Special Handling Instructions and Addition Keep away from sources	nal Information	. Always your h	a edbata	6.			b.	
Dry Ice per 1000 Gal. C 15. Special Handling Instructions and Addition Keep away from sources U.S.T.'s 24 Hr. Conta 18. GENERATOR'S CERTIFICATION: I here and are classified, packed, marked, and national government regulations.	nal Information of ignition. ct Name Ma	Always wear had in the Clark & contents of this consignment are respects in proper condition for	ardhat s Phone 4 stully and ac or transport b	whe	n work	ing	b. a rought 3, y proper solicable in the solicable in th	nd 2 shipping nam
15. Special Handling Instructions and Addition Keep away from sources U.S.T.'s 24 Hr. Conta 16. GENERATOR'S CERTIFICATION: I here and are classified, packed, marked, and	nal Information of ignition. ct Name Ma eby declare that the clabeled, and are in all y that I have a program h and the environment	Always wear had a consignment are respects in proper condition for a collection method of treatment, CR, if I am a small quantity of the collection of the c	ardhats Phone 4 a fully and according transport be and toxicity storage, or cenerator. I he	curately by highwr	described a ay according	ing	d. a roui	nd 2 shipping naminternational a
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IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

APPENDIX C SAMPLE ANALYSIS DOCUMENTATION

5 DAYS TURNAROUND

CHROMALAB, INC.

Analytical Laboratory (E694)

April 11, 1991

ChromaLab File No.: 0391147

AQUA SCIENCE ENGINEERS

Attn: Greg Gouvea

RE: Two soil samples for Gasoline/BTEX analysis

Project Name: CLARK WOODWORKING

Date Sampled: March 28, 1991 Date Extracted: April 10, 1991

Date Submitted: March 28, 1991 Date Analyzed: April 10, 1991

RESULTS:

Sample No.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
SS-1, 6'	1000	16000	24000	13000	25000
SS-2, 11'	1.2	440	21	17	9.3
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	110.5%	110.8%	81.7%	89.7%	87,18
DUP SPIKE RECOVE	RY 98.9%	95.6%	95.2%	94.9%	80.7%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOF OF	5030/				
ANALYSIS	8015	8020	8020	802 0	8020

ChromaLab, Inc.

Chief Chemist

Éric Tam

Laboratory Director



MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553 Phone (415) 372-3700 • Fax (415) 372-6955

0391147/011730

10. "快乐·中国通过"

Chromalab, Inc. 2239 Omega Road, #1 San Ramon, CA 94583 ATTN: Eric Tam Project Manager

Date Sampled: 04-01-91 Date Received: 04-01-91

Date Reported: 04-08-91

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ORGANIC LEAD

Sample Number	Sample Description	Detection Limit	SOIL RESULTS
		ppm	ppm
	Project No.:	0391147	
B041001	ss-1, 6'	0.5	<0.5
B041002	SS-2, 11'	0.5	<0.5

Sample blank is none detected

California LUFT 12/87 Note: (ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans Lab Director

aqua science asse**engineers inc.**

Aqua Science Engineers Inc.

PO Box 535. San Ramon, CA 94583 •

415-820-9391

Chain of Custo

ANALYSIS REQUEST PRIORITY POLLUTANT NETALS (13) ADDRESS (PHONE NO.) TOTAL 35 LAB ID. DATE CHROMALAB FILE # 391147 RELINQUISHED BY 1. RELINQUISHED BY BELINOUISHED BY PROJECT INFORMATION SAMPLE RECEIPT TOTAL NO. OF CONTAINERS (Tit (Signature) (Time) Signature C (Signature) CHAIN OF CUSTODY SEALS REC'D GOOD CONDITION/COLD (Printed Name) (Date) (Printed Name) Aqua Science CONFORMS TO RECORD SHIPPING ID NO (Company) (Company) (Company) LAB NO. RECEIVED SY LASORATORY VIA RECEIVED BY RECEIVED BY SPECIAL INSTRUCTIONS/COMMENTS: 10 day turnaround (Time) (Signature) (Time) (Signature) (Signature) (Printed Name) (Date) (Printed Name) (Date) (Printed Name) (LAB) (Company) (Company)