K T W & ASSOCIATES

P.O. Box 55158 Hayward, Calif. 94545
(510) 732-9877 Fax 732-9876
Calif. State Cont. Lic# 572427

October 26, 1994

Mr. Rod Kwan
Auto Tech West
2703 Martin Luther King Way
Oakland, California 94612

Mr. Rod Kwan

K.T.W. & Associates, Inc. is pleased to submit this report describing closure activities associated with the removal of (1) 2,000 gallon gasoline tank located at 2703 Martin Luther King Way, Oakland, California. This report provides a description of site activities and observations that include: the condition of the excavated tank, the condition of tank's backfill and other subsurface materials, sampling procedures and locations, laboratory analytical procedures and certified analytical results, chain of custody documentation, and certificates of disposal.

Site Description

The site is Auto Tech West, located at 2703 Martin Luther King Way, Oakland, California. A site location map is presented in the enclosures. One 2,000 gallon underground gasoline tank was formerly at the subject site. A site map showing the location of the site structures, and the former underground tank is presented in the enclosures.

Closure Plan and Permitting

A closure plan and permit application for removal of the underground tank was completed and submitted to Alameda County Health Care Services Agency (ACHCSA) and City of Oakland Fire Prevention (COFP).
Closure activities were completed under the (ACHCSA) permit.

Underground Tank Closure

Tank removal activities began on October 11,1994. Inspector Jennifer Eberle of the Alameda County Health Care Service Agency and Inspector ~~Larry James~~ Gary Collins of the City of Oakland Fire Prevention, were present to observe the tank removal. Sampling activities were conducted under the direction of Inspector Eberle.

On October 11, 1994, sampling activities took place under the direction and guidance of Inspector Eberle. Construction, sampling, and documentation services associated with the closure were performed by K.T.W. & Associates.

Closure activities were documented in the ACHCSA Agency's Inspection Form. Upon removal, the structural integrity of the tank was observed to be in good condition. The tank was removed and transported from the site by a permitted hazardous waste transporter under a hazardous waste manifest. A copy of the Hazardous Waste Manifest and Certificates of Disposal are presented in the enclosures.

General Observations, Underground Tank Closure

Strong hydrocarbon odors were observed while removing the overburden surrounding the tank. The material removed contained a high level of discoloration. The soil consisted of clays and bay muds. There was also evidence of a possible previous tank removal, due to large pieces of concrete and debris at 2 feet below the 2,000 gallon tank.

the soils sampled were sands

Excavation

The excavation remains open as directed by the owner and pending laboratory analysis.

Soil Sampling

Under the direction of Inspector Eberle, one sample was taken from the north end of the excavation and one sample was taken from the south end of the excavation.

The soil samples from the excavation were obtained by the use of a backhoe bucket. Upon removal of the soil, samples were extracted by driving a brass tube into the soil in the bucket. The tubes were then sealed with foil and plastic caps and promptly stored on blue ice in a cooler.

All samples were submitted on blue ice to McCampbell Analytical, Pacheco, California (DOHS #1644) on October 12, 1994, under the appropriate chain of custody documentation. The sample locations and analyses are included in the enclosures.

Certified Analytical Results

The samples collected for minimum verification analyses (MVA) were analyzed in accordance with appropriate regulatory guidelines contained within Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks (RWQCB, 1988). Copies of soil analytical results are presented in the enclosures.

Dispensation of Stockpile

The excavated soil is stockpiled on 10mil polysheeting and covered pending disposal or backfilling.

We recommend removing potentially impacted soil from the excavation and resample to confirm proper removal.

Copies of this report should be submitted to:

Alameda County Health Care Services Agency
Department of Environmental Protection
1131 Harbor Way Parkway
Alameda, California 94502
Attn: Inspector Jennifer Eberle

Regional Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, California 94612
Attn: Diane Whyte

City of Oakland Fire Prevention
421 14th Street
Oakland, California, 94612
Attn: Inspector Larry James

Additional copies of this report have been provided for the purpose of regulatory submittal.

Should you have any questions or comments regarding the evaluations presented in this report, please call.

Respectfully,

Thomas M. Gregory
President
K.T.W. & Associates, Inc.

TMG/weg
Enclosures

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

KTW & Associates 1641 Ashbury Lane Hayward, Calif. 94545	Client Project ID: AutoTech West	Date Sampled: 10/11/94 ✓
		Date Received: 10/12/94
	Client Contact: Allan Heider	Date Extracted: 10/12/94
	Client P.O:	Date Analyzed: 10/13/94 ✓

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)+	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
41545	TP-1-N	S	18,000,b,d	100	870	370	2000	114#
41546	TP-2-S	S	870,b,d	2.9	2.1	19	21	96
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak co-elutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 10/13/94 Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.000	1.935	1.960	2.03	95	97	1.3
Benzene	0.000	0.178	0.168	0.2	89	84	5.8
Toluene	0.000	0.186	0.176	0.2	93	88	5.5
Ethylbenzene	0.000	0.184	0.174	0.2	92	87	5.6
Xylenes	0.000	0.576	0.548	0.6	96	91	5.0
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

Chain of Custody Record

KTW & ASSOCIATES

43289 Osgood Road, Fremont, CA 94539 (415) 623-0480

3052AKTW2 DATE 10-11-94 PAGE 1 OF 1

Client: Rod Kwon
Address: 2703 Martin Luther King Oakland, Ca.
Project: AutoTech West

SAMPLERS SIGNATURE: Thomas M Gregory

SAMPLE NO.	DATE	TIME	LOCATION	CAM METALS (18)	PR. POLLUTANT METALS (13)	GENERAL MINERALS	OIL & GREASE	TOG	BASE/NEU/ACIDS (ORGANICS)	PESTICIDES	VOLATILE ORGANICS (601/602)	VOLATILE ORGANICS (624)	TPH-G	TPH-D	BTXE					NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
TP-1-N	10/11/94	2:00P	North end - 11' bgs										X		X						41545
TP-2-S	10/11/94	2:20	South end - 11' bgs										X		X						41546

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY	DATE
Tom Gregory, KTW & Assoc.	10/12/94	ALLAN HEIDER, K.T.W. & ASSOC	10/12/94	ALLAN HEIDER, K.T.W. & ASSOC	10/12/94	Ron Hamilton, MAI	
	TIME 10:30a		TIME 10:30 AM		TIME 2:10 PM		TIME
RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY	DATE
Ron Hamilton, MAI	10/12/94	Heidi Ricca, McCampbell	10/12/94				
	TIME 3:50	HEIDI RICCA	TIME 3:50 pm		TIME		

TOTAL # OF CONTAINERS: 2

METHOD OF SHIPMENT: Ice chest

SPECIAL HANDLING/ T.A.T.: Standard

ICE/T° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ PRESERVATIVE APPROPRIATE CONTAINERS ✓ VOAS | O&G | METALS | OTHER

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 11542

CUSTOMER: KTW AND ASSOC.
JOB NO.: 86339

FOR: ERICKSON, INC. TANK NO. 14585

LOCATION: RICHMOND DATE: 94/10/12 TIME: 09:17

TEST METHOD: VISUAL GASTECH/1314 SMPN LAST PRODUCT: UG

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: 2000 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.
ERICKSON, INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

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 permissable 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.

Francisco Cruz — REPRESENTATIVE

TITLE

Dave Soto — INSPECTOR

CP5995

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CAC099721120			

3. Generator's Name and Mailing Address
ROD KWAN
2703 MARTIN LUTHER KING WAY
OAKLAND, CA. 94612

4. Generator's Phone (510) 839-7264

5. Transporter 1 Company Name	6. US EPA ID Number
ERICKSON INC	CAD009466392

7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
Erickson, Inc. 255 Parr Blvd. Richmond, CA. 94801	CAD009466392

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-RCRA Hazardous Waste Solid Waste Empty Storage Tank.	001	T	12000	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. ROD KWAN & Phone (510) 839-7264

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	Signature	Month	Day	Year
ROD KWAN	Rod Kwan	10	11	94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Richard K. Adler	Richard K. Adler	10	11	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
NO MANIFEST DOCUMENT #

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
KAREN RUFFIN	Karen Ruffin	10	11	94

DO NOT WRITE BELOW THIS LINE.

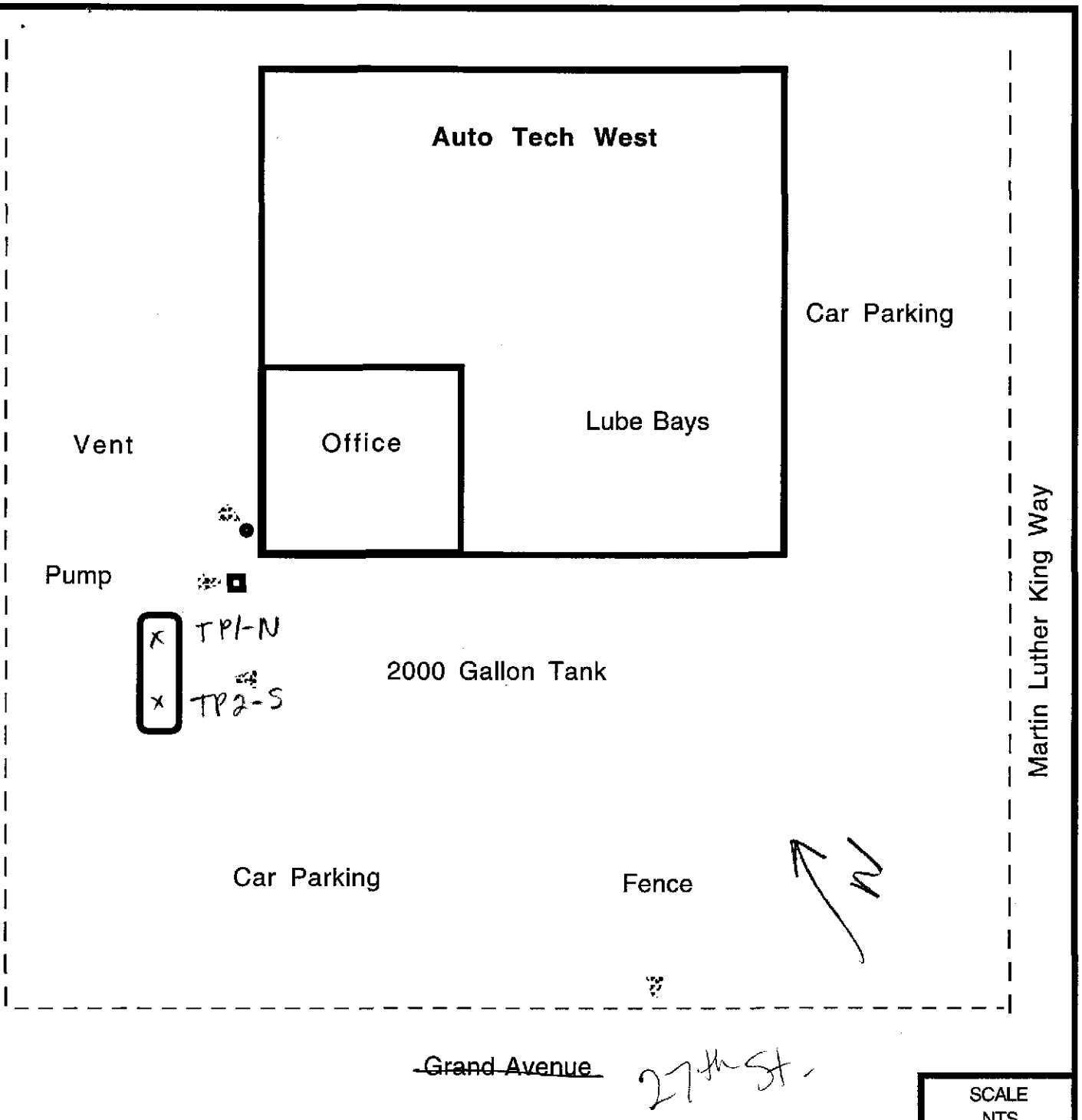
GENERATOR
TRANSPORTER
FACILITY

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

93480812

DTSC 8022A (9/93)
EPA 8700—22

[illegible] TO DTSC WITHIN 60 DAYS



SCALE	NTS
Date	9/13/94
Drawing	AMH

KTN & ASSOCIATES

PROJECT: # 1374

SITE LOCATION MAP

Auto Tech West
2703 Martin Luther King Way
Oakland, California 94612

PLATE

1