



Uriah Inc.
An Environmental Services Company

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JUL 29 1988

HAZARDOUS MATERIALS/
WASTE PROGRAM

STID 3713
JMI

Subsurface Soil and Water Sampling Report
Alameda Collision
1911 Park Street, Alameda, CA
June 20, 1988



Uriah Inc.

An Environmental Services Company

July 19, 1988

Mr. Gary Zaccor
Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025

RE: Subsurface soil and water sampling at Alameda Collision,
1911 Park Street, Alameda, CA

Dear Mr. Zaccor:

On June 20, 1988, Uriah staff performed sampling at the above referenced location following the removal of one (1) 200 gallon underground gasoline storage tank and one (1) 750 gallon underground gasoline storage tank in order to determine the extent of hydrocarbon contamination (if any) present in the underlying soil.

All sampling was undertaken in the presence of Alameda County Hazardous Materials Specialist, Dennis Byrnie. In accordance with Mr. Byrnie's instructions, three (3) soil samples and three (3) groundwater samples were collected. Soil sample #1 was collected from native soil within the north side wall of the tank pit at a depth of 7 feet below grade. Soil sample #2 was collected from native soil within the west side wall of the tank pit at a depth of 6 feet. Soil sample #3 was collected from native soil within the east side wall of the pit at a depth of 6.5 feet. Water sample #4 was collected from inside tank B (see site map). Water sample #5 was collected from inside tank A (see site map). Water sample #6 was collected from inside the tank pit (see site map).

Soil samples #1-#3 and water samples #4 and #5 were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G) with BTX&E distinction using EPA methods 5020/8015 and 8020. Water sample #6 was also analyzed for TPH-G with BTX&E distinction using EPA method 5030/602. Samples #1,2,3, and 6 were also analyzed for Total Lead using EPA method 7420.

CHART 1

<u>SAMPLE #</u>	<u>TYPE</u>	<u>SOURCE</u>
1	native soil	North side wall of tank pit at 7 feet below grade
2	native soil	West side wall of tank pit at 6 feet below grade
3	native soil	East side wall of tank pit at 6.5 feet below grade
4	water	Interior of tank B
5	water	Interior of tank A
6	water	Floor of tank excavation

OBSERVATIONS

Both tanks were in poor condition with holes found in the bottom seam of tank A with significant rusting and pitting present. Holes were also found beneath the fill end and at the top center of tank B. No odor or discoloration of the soil beneath the tanks was noted.

SAMPLING METHODOLOGY

All soil samples were obtained by Uriah, Inc. staff by collection in clean brass tubes (1.92 inches in diameter and 6 inches long). The ends of the sampling tubes were promptly covered with aluminum foil, capped, and sealed with black electrical tape. Immediately following their collection, samples were handed to personnel of HAZCAT Mobile Organics Lab under appropriate chain of custody.

One (1) water sample was collected from each of the two storage tanks and then introduced into two clean VOA vials (samples #4 and #5). The VOA vials were filled to a positive meniscus below the surface of the water being sampled. They were then promptly sealed with screw caps and checked for the presence of air bubbles. A grab sample was collected in a clean (1) liter amber bottle from within the tank pit using a subsurface sampling device. Immediately after collection, samples were transferred to personnel of HAZCAT Mobile Organics Lab under appropriate chain of custody.

ANALYTICAL RESULTS

Copies of the analytical results as received from the certified analytical laboratory are enclosed.

CONCLUSIONS AND RECOMMENDATIONS

The concentrations of constituents tested for in samples #1-#5 are well below the action levels (AL) which typically trigger a regulatory agency mandate for further investigation. While the TPH-G level of 1,700 ppb detected in sample #6 is also below the action level, the 4.3 ppb level of Benzene detected within this sample exceeds the 0.7 ppb California Drinking Water Standard. However, when an environmental attenuation factor of 10 is applied, the action level may be increased to 7 ppb. It is suggested, therefore, that no additional work will be required at the Park Street site.

It is recommended that one each of the copies of this report (as attached) be forwarded to the following agencies:

San Francisco Bay Region Water Quality Control Board
1111 Jackson Street, 6th Floor
Oakland, California 94607
Attention: Greg Zentner

Alameda County Hazardous Materials Management Program
80 Swan Way, Room 200
Oakland, California 94621
Attention: Dennis Byrne

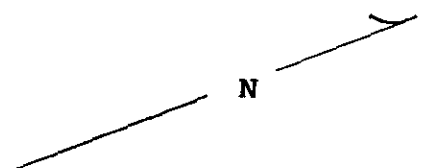
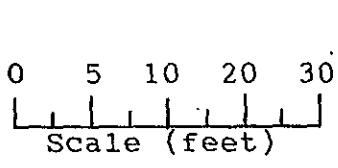
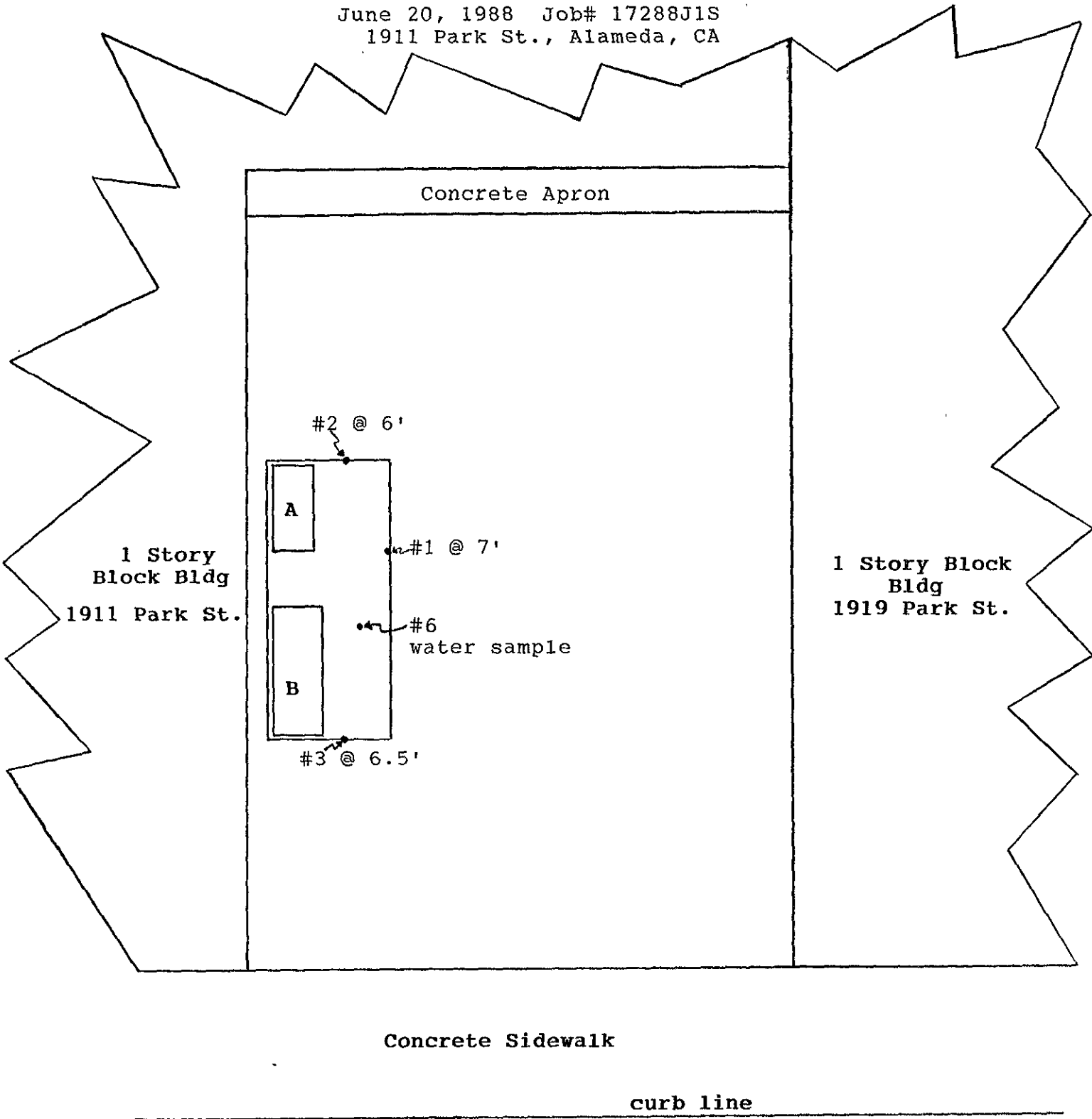
If you have any questions, or if I may otherwise be of assistance, please contact me at (209) 579-2007.

Sincerely,

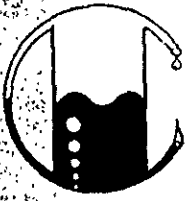
Timothy M. Bahcock

Timothy M. Bahcock
Environmental Microbiologist

TMB:dr



Prepared For:
Zaccor Corporation
791 Hamilton Avenue
Menlo Park, CA 94025



HAZCAT Mobile Organics Lab

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, Ca. 94025
Attn: Gary Zaccor

Date Sampled: 06-20-88
Date Received: 06-20-88
Date Reported: 06-20-88

Sample Number

068205

Sample Description

17288J1S-Alameda Collision
1911 Park St.-Alameda
#1 SOIL

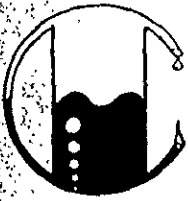
ANALYSIS

	<u>Detection Limit</u>	<u>Sample Results</u>
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

HAZCAT

Ronald G. Evans
Ronald G. Evans
Lab Director



HAZCAT Mobile Organics Lab

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Zaccor Corporation
791 Hamilton Avenue
Menlo Park, Ca. 94025
Attn: Gary Zaccor

Date Sampled: 06-20-88
Date Received: 06-20-88
Date Reported: 06-20-88

Sample Number

068206

Sample Description

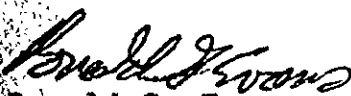
17288J1S-Alameda Collision
1911 Park St.-Alameda
#2 SOIL

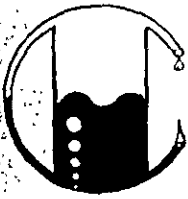
ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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San Carlos, CA 94070 • (415) 591-5820

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, Ca. 94025
Attn: Gary Zaccor

Date Sampled: 06-20-88
Date Received: 06-20-88
Date Reported: 06-20-88

Sample Number

068207

Sample Description

17288J1S-Alameda Collision
1911 Park St.-Alameda
#3 SOIL

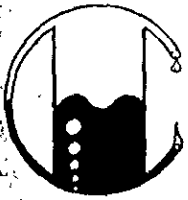
ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	<0.1
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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San Carlos, CA 94070 • (415) 591-5820

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, Ca. 94025
Attn: Gary Zaccor

Date Sampled: 06-20-88
Date Received: 06-20-88
Date Reported: 06-20-88

Sample Number

068208

Sample Description

17288J1S-Alameda Collision
1911 Park St.-Alameda
#4 WATER

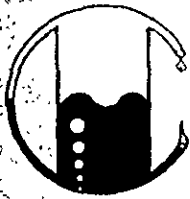
ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1	1.7
Benzene	0.1	<0.1
Toluene	0.1	0.3
Xylenes	0.1	0.5
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

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733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Zaccor Corporation
791 Hamilton Avenue
Menlo Park, Ca. 94025
Attn: Gary Zaccor

Date Sampled: 06-20-88
Date Received: 06-20-88
Date Reported: 06-20-88

Sample Number

068209

Sample Description

17288J1S-Alameda Collision
1911 Park St.-Alameda
#5 WATER

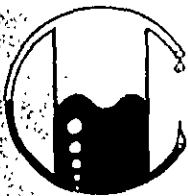
ANALYSIS

	Detection Limit ----- ppm	Sample Results ----- ppm
Total Petroleum Hydrocarbons as Gasoline	1	<1.0
Benzene	0.1	<0.1
Toluene	0.1	<0.1
Xylenes	0.1	0.3
Ethylbenzene	0.1	<0.1

Note: Analysis was performed using EPA methods 5020 and 8015 with method 8020 used for BTX distinction.

HAZCAT


Ronald G. Evans
Lab Director



HAZCAT Mobile Organics Lab

733 Dartmouth Avenue
San Carlos, CA 94070 • (415) 591-5820

Zaccor Corporation
791 Hamilton Ave.
Menlo Park, CA 94025
Attn: Gary Zaccor

Date Sampled: 06-20-88
Date Received: 06-20-88
Date Reported: 06-25-88

Sample Number

068210

Sample Description

17288J1S-Alameda Collision
1911 Park St.-Alameda
#6 WATER

ANALYSIS

	Detection Limit	Sample Results
	ppb	ppb
Total Petroleum Hydrocarbons as Gasoline	50	1,700
Benzene	0.5	4.3
Toluene	0.5	3.3
Xylenes	0.5	140
Ethylbenzene	0.5	8.4

Note: Analysis was performed using EPA methods 5030 and 602.

HAZCAT

Ronald G. Evans
Ronald G. Evans
Lab Director



**FIREMAN'S FUND
INSURANCE COMPANIES**

Environmental Laboratory
3700 Lakeville Highway
Petaluma, CA 94952
800-FFIC-LAB

ENVIRONMENTAL LABORATORY

Tim Babcock
Uriah, Inc.
945 Coffee Road, Suite 5
Modesto, CA 95355

L A B O R A T O R Y R E S U L T S

Supply/Order No.:
Client's Survey No.: 1911 PARK, ALEMEDA
Contract/PO No.: NO CONTRACT NUMBER
Release No.: 17288JIS

Laboratory Job No.: 882902
Date Received: 06/20/88
Date Reported: 06/28/88
Client Code: URIA1

LEAD(AA ASSAY EPA 7420), 3010 ACID DIGEST

MATRIX: SOIL & LIQUID, ACID DIGEST

LABNO SMPLNO	COMPOUND	FOUND PPM	CA TTLC PPM	DET.LIM. PPM
16471 1 (SOIL)	PB	4.8	1000.00	1.4
16472 2 (SOIL)	PB	3.2	1000.00	1.4
16473 3 (SOIL)	PB	3.2	1000.00	1.4
16474 6 (WATER)	PB	27.40	1000.000.28	

ANALYST: PRECY ROBINSON

APPROVED BY
JERRY TUMA, PH.D., CIH
LABORATORY DIRECTOR

URIAH ENVIRONMENTAL SERVICES INC.

CHAIN OF CUSTODY

PROJECT #: 17288 JIS TURN-AROUND: ON SITE RESULTS BY: _____
 SAMPLING COMPLETED: 9:15 AM, 6/20/88 BY JEFF
 SITE ADDRESS: 1911 PARKST., ALAMUDA
 LAB USED: HASCAT

SAMPLE#	SOIL/ WATER	ANALYZE FOR:	#CONTAINERS	SINGLE/ COMPOSITE
<u>1</u>	<u>SOIL</u>	<u>TPH (GAS), BTEX, FFLCLAD</u>	<u>1</u>	<u>SINGLE</u>
<u>2</u>	<u>SOIL</u>	<u>" " _____</u>	<u>1</u>	<u>S</u>
<u>3</u>	<u>SOIL</u>	<u>" " _____</u>	<u>1</u>	<u>S</u>
<u>4</u>	<u>WATER</u>	<u>TPH (GAS), BTEX _____</u>	<u>2</u>	<u>S</u>
<u>5</u>	<u>WATER</u>	<u>TPH (GAS), BTEX</u>	<u>2</u>	<u>S</u>
<u>6</u>	<u>WATER</u>	<u>TPH (GAS), BTEX, FFLCLAD <u>OTHER</u></u>	<u>2</u>	<u>S 1wk Turn- around</u>

RELEASED BY: [Signature] 9:35, 6/20/88 ACCEPTED BY: [Signature] 9:35, 6/20/88
 _____ : , ____/____/88 _____ : , ____/____/88
 _____ : , ____/____/88 _____ : , ____/____/88

URIAH ENVIRONMENTAL SERVICES INC.

CHAIN OF CUSTODY

PROJECT #: 17288J15 TURN-AROUND: 2 week RESULTS BY: 7/5/88
 SAMPLING COMPLETED: 9:15 AM/PM, 6/20/88 BY Jeff
 SITE ADDRESS: 1911 Park St. Alameda
 LAB USED: Firemans Fund

SAMPLE#	SOIL/ WATER	ANALYZE FOR:	#CONTAINERS	SINGLE/ COMPOSITE
<u>1</u>	<u>S</u>	<u>TTL lead</u>	<u>1</u>	<u>S</u>
<u>2</u>	<u>S</u>	<u>" "</u>	<u>1</u>	<u>S</u>
<u>3</u>	<u>S</u>	<u>" "</u>	<u>1</u>	<u>S</u>
<u>6</u>	<u>W</u>	<u>" "</u>	<u>2</u>	<u>S</u>

RELEASED BY:

[Signature] 2:10, 6/20/88
 _____ :__, __/__/88
 _____ :__, __/__/88

ACCEPTED BY:

Rita Bagby 2:15, 6/20/88
 _____ :__, __/__/88
 _____ :__, __/__/88

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

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 004771168	Manifest Document No. 511446	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address Jim Thompson 1911 Park St Alameda 94501			A. State Manifest Document Number 87851246		
4. Generator's Phone (510) 523 4836			B. State Generator's ID 1100		
6. Transporter 1 Company Name HHS Ship Service		8. US EPA ID Number CA 004771168		C. State Transporter's ID 902450	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 415 543 4035	
9. Designated Facility Name and Site Address HHS Ship Service 220 China Basin SAN FRANCISCO CA 94107			10. US EPA ID Number CA 004771168		G. State Facility's ID 38-99176
					H. Facility's Phone 415 543 4735
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste Flammable Liquid N/A 9189 r.o.s.				12. Containers No. Type 0101 RTT 010000290	13. Total Quantity 500
				14. Unit Wt/Vol 90	Waste No. State 222 EPA/Other VA
b.					State
c.					EPA/Other
d.					State
					EPA/Other
13. Additional Descriptions for Materials Listed Above None				K. Handling Codes for Wastes Listed Above a. b. c. d.	
15. Special Handling Instructions and Additional Information Gloves Goggles					
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 Gary Zaccor		Signature <i>[Signature]</i>		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Martin Costello		Signature <i>[Signature]</i>		Month Day Year 06/19/88	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space 581122					
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 J. J. CAMI	