



GEOTECHNICAL ENGINEERS AND GEOLOGISTS

TERRASEARCH *INC.*

11840 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA 94568 (510) 833-9297 FAX (510) 833-9548

Project No. E333

June 20, 1997

Ms. Amy Leech
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services-LOP
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Waste-Oil Contamination
Spanish Ranch Mobile Home Park No. 1 - Auto Repair Area
28400 Granada Circle
Hayward, California 94544
**REQUEST FOR CLOSURE OF FORMER WASTE-OIL
CONTAMINATED AREA**

- References:
- 1) Letter to Revise Proposed Investigations
By Alameda County Health Care Services Agency
Dated December 18, 1996
 - 2) Laboratory Analytical Results of Soil Samples Collected From Beneath
Waste-Oil Contaminated Area
By Terrasearch, Inc.
Dated January 23, 1997
 - 3) Proposed Environmental Work
By Terrasearch, Inc.
Dated March 18, 1997

Dear Ms. Leech:

On behalf of Ken Earp Development and at the request of Alameda County Health Care Services Agency (ACHCSA), *TERRASEARCH, inc.* observed the excavation and sampling of the former waste-oil contaminated area behind the automotive maintenance area off of Los Ojos Avenue on May 20, 1997. All field work was performed in accordance with *TERRASEARCH, inc.*'s Site and Safety Manual dated May 20, 1997, which conforms to 29 Code of Federal Regulations (CFR) 1910.120 and 8 Code California Regulations (CCR) General Industry Safety Orders (GISO) 5192.

The **initial dimensions of the excavation were approximately 8.3 feet in length** (trending north-south direction), **approximately 5.5 feet in width** (trending east-west), and **approximately 3 feet in**

SINCE 1969

6840 VIA DEL ORO, SUITE 110, SAN JOSE, CALIFORNIA 95119-1348 (408) 362-4920 FAX (408) 362-4926

97 SEP 24 PM 4:30
ENVIRONMENTAL
PROTECTION

depth. All excavated soil was placed into an adjacent 17 cubic yard roll-off bin that was temporarily stored on-site. Four soil samples (1N, 1E, 1S, and 1W) were collected approximately one foot from the excavation bottom on the sidewalls and one soil sample (1B) was collected from the excavation bottom. All five soil samples were capped, labeled, and placed in a pre-cooled ice-chest and transported under chain-of-custody documentation to Chromalab, Inc. of Pleasanton, California, a State-certified hazardous waste testing laboratory (Certification No. 1094) for analysis. Soil samples 1N, 1E, 1S, 1W, and 1B were analyzed for total oil and grease (TOG) using Standard Method (SM) 5520E&F. Analytical results of the soil samples 1E, 1S, and 1W reported not detectable concentrations of TOG (less than 50 milligrams per kilogram [mg/Kg]). Detectable concentrations of TOG were reported in soil samples 1N and 1B at 1,500 mg/Kg and 1,800 mg/Kg, respectively. The laboratory analytical report and chain-of-custody form are attached. The location of the waste-oil excavation and soil sample locations are shown on the attached Figure 1, Site Plan.

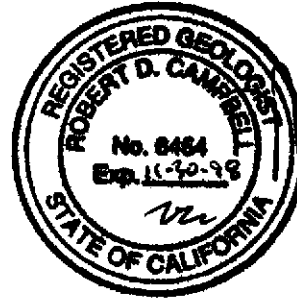
Based on the detectable concentrations of TOG from the excavation northern sidewall and excavation bottom, the excavation was widened by 2 feet on the northern side and deepened by 3 feet for a final dimension of 10 feet in length (trending north-south), 8 feet in width (trending east-west), and 6 feet in depth on May 28, 1997. Soil samples 2N and 2B were collected from the northern excavation sidewall and excavation bottom by a *TERRASEARCH, inc.* field geologist on June 2, 1997. Soil samples 2N and 2B were capped, labeled, and placed in a pre-cooled ice-chest and transported under chain-of-custody documentation to Chromalab, Inc. for analysis on a 24-hour turnaround time. Soil samples 2N and 2B were analyzed for TOG using SM 5520E&F, and analytical results reported not detectable concentrations of TOG (less than 50 mg/Kg) for soil samples 2N and 2B. The laboratory analytical report and chain-of-custody form are attached.

On June 16, 1997, All Chemical Disposal, Inc. of San Jose, California, a State-licensed hazardous waste hauler, transported the 17-cubic yard roll-off bin to Browning and Ferris Industries (BFI) Class II sanitary landfill at Vasco Road, Livermore for disposal. A copy of the signed manifest is attached.

It is anticipated that the excavation will be backfilled with clean, imported fill by the end of June 1997. Mr. Ken Earp was making arrangements to obtain the clean, imported fill as of the date of this correspondence.

On behalf of Ken Earp Development, *TERRASEARCH, inc.* requests that the this former waste-oil impacted soil site be closed to further environmental investigation and/or remediation based on the laboratory analyses of the soil samples collected from the excavation sidewalls and bottom.

Should you have any questions relating to the contents of this proposal, or should you require additional information, please contact our office at your convenience.



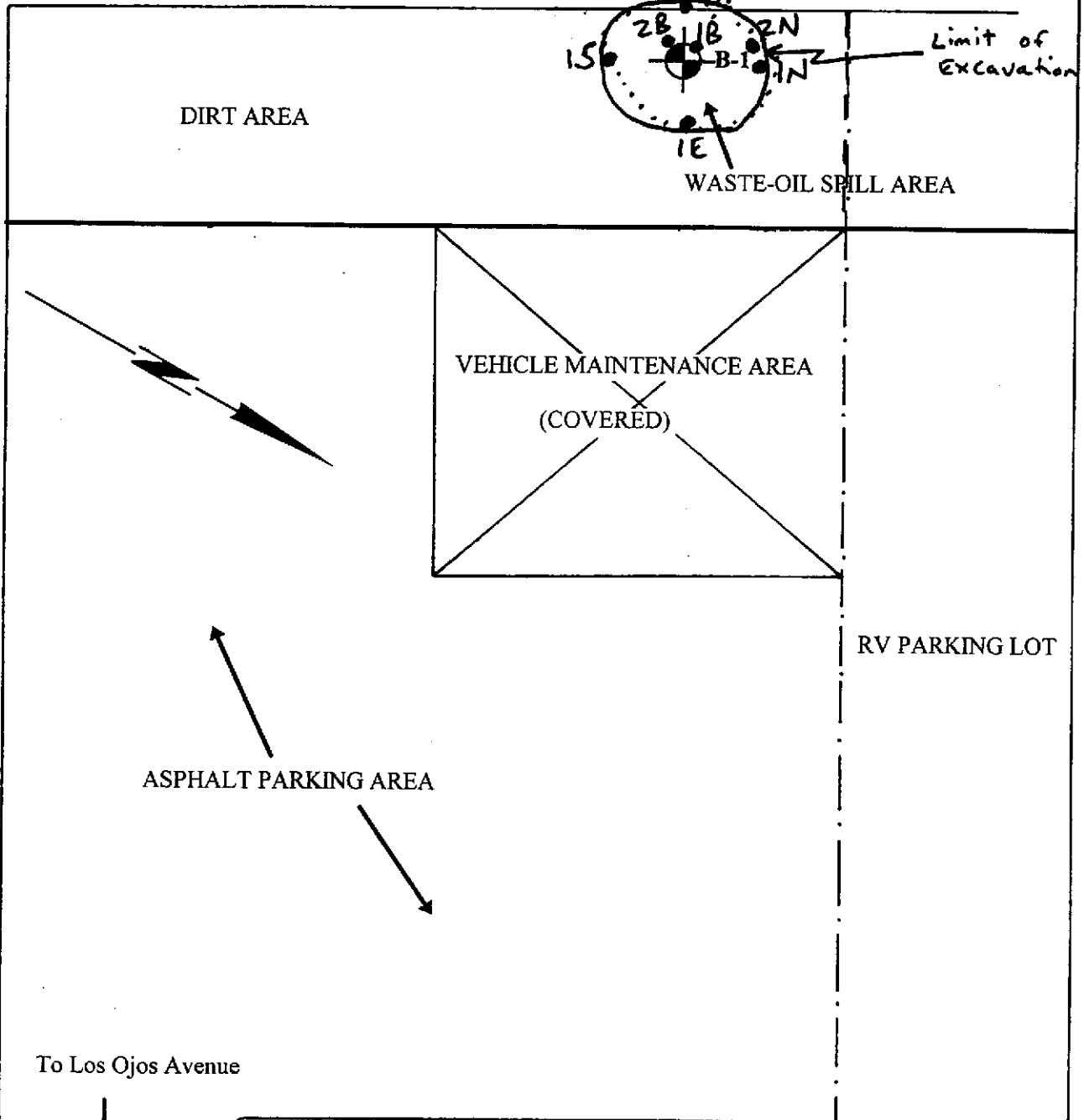
Very truly yours,
TERRASEARCH, inc.

Robert D. Campbell
Robert D. Campbell, R.G.
Project Geologist

Attachments: Figure 1, Site Plan
Chromalab, Inc. Laboratory Analytical Reports
and Chain-of-Custody Forms
BFI Waste Manifest Form

Copies: 1 to Mr. Ken Earp
1 to Mr. Amy Leech
1 to files

ALAMEDA COUNTY FLOOD WALL




To Los Ojos Avenue

Explanation

 B-1 = Hand Augered Boring Location

Scale: 1" = 10'

 15 = Excavation pit soil sample location

CHROMALAB, INC.

Environmental Services (SDB)

May 23, 1997

Submission #: 9705282

TERRARESEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH
Received: May 20, 1997

Project#: E333

re: 5 samples for Oil and Grease analysis.
Method: 5520 E&F


Sampled: May 20, 1997

Matrix: SOIL
Run#: 6982

Extracted: May 22, 1997
Analyzed: May 22, 1997

Spl#	CLIENT SPL ID	OIL & GREASE (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
132576	1B	1800	50	N.D.	93.5	1
132577	1N	1500	50	N.D.	93.5	1
132578	1S	N.D.	50	N.D.	93.5	1
132579	1E	N.D.	50	N.D.	93.5	1
132580	1W	N.D.	50	N.D.	93.5	1


Carolyn House
Extractions Supervisor


Chip Poalinelli
Operations Manager

282/132576-132580

JBM #: 9705262 REP: GC
 CLIENT: TERRARESEARCH
 JE: 05/28/97
 EF #: 33801

33801
 Reference #: 33801

CHROMALAB, INC.

Chain of Custody

Environmental Services (SDB) (DOHS 1094)

DATE 5/20/97 PAGE 1 OF 1

PROJ MGR <i>Rob Campbell</i>	ANALYSIS REPORT																
COMPANY Terraresearch Inc.	TPH-(EPA 8015,8020) <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) <input type="checkbox"/> Kerosene, <input type="checkbox"/> Diesel, <input type="checkbox"/> M.O.	PURGEABLE HALOCARBONS (HYOCs) (EPA 8010 by 8260)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B+F, E+F)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	<input type="checkbox"/> PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080)	PNA's by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	<input type="checkbox"/> pH <input type="checkbox"/> Spec. Cond. <input type="checkbox"/> TSS <input type="checkbox"/> TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CMM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	<input type="checkbox"/> W.L.T. <input type="checkbox"/> TCLP	NUMBER OF CONTAINERS
ADDRESS 11840 Dublin Blvd Dublin, CA 94568																	
SAMPLERS (SIGNATURE)	(PHONE NO.)	(FAX NO.)															

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH	PURGEABLE AROMATICS	TPH-Diesel	TEPH	PURGEABLE HALOCARBONS	VOLATILE ORGANICS	SEMIVOLATILES	TOTAL OIL AND GREASE	TOTAL RECOVERABLE	PESTICIDES	PCB'S	PNA's	pH	Spec. Cond.	TSS	TDS	LUFT METALS	CMM 17 METALS	TOTAL LEAD	W.L.T.	TCLP	NUMBER OF CONTAINERS	
B	5/20/97		Soil									X															1
IN												X															1
IS												X															1
IE												X															1
IW												X															1

PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY 1			RELINQUISHED BY 2			RELINQUISHED BY 3		
PROJECT NAME Spanish Ranch	TOTAL NO OF CONTAINERS			HEAD SPACE			SIGNATURE <i>Robert D. Campbell</i>			SIGNATURE			SIGNATURE			
PROJECT NUMBER E333	TEMPERATURE			CONFORMS TO RECORD			PRINTED NAME Terraresearch Inc.			PRINTED NAME			PRINTED NAME			
P.O. # E333	STANDARD 5-DAY			24	48	72	DATE 5/20/97			DATE			DATE			
TAT	OTHER			RECEIVED BY 1			RECEIVED BY 2			RECEIVED BY (LABORATORY) 3						
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4				SPECIAL INSTRUCTIONS/COMMENTS:			SIGNATURE			SIGNATURE			SIGNATURE <i>Mike Arango</i>			
				DATE			DATE			DATE 5/20/97						

CHROMALAB, INC.

Environmental Services (SDB)

May 30, 1997

Submission #: 9705329

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH

Project#: E333

Received: May 20, 1997

re: One sample for CAM 17 METALS analysis.

Method: EPA 3050A/6010A/7471A Nov 1990

Client Sample ID: 1B

Spl#: 132967

Matrix: SOIL

Extracted: May 27, 1997


Sampled: May 20, 1997

Run#: 7017

Analyzed: May 27, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	N.D.	2.0	N.D.	98.9	1
ARSENIC	2.8	1.0	N.D.	101	1
BARIUM	120	1.0	N.D.	97.0	1
BERYLLIUM	N.D.	0.50	N.D.	97.4	1
CADMIUM	N.D.	0.50	N.D.	97.0	1
CHROMIUM	35	1.0	N.D.	96.9	1
COBALT	8.6	1.0	N.D.	98.5	1
COPPER	29	1.0	N.D.	89.5	1
LEAD	9.3	1.0	N.D.	97.2	1
MOLYBDENUM	N.D.	1.0	N.D.	97.7	1
NICKEL	36	1.0	N.D.	97.2	1
SELENIUM	N.D.	2.0	N.D.	101	1
SILVER	N.D.	1.0	N.D.	89.9	1
THALLIUM	N.D.	1.0	N.D.	98.7	1
VANADIUM	28	1.0	N.D.	96.1	1
ZINC	43	1.0	N.D.	97.4	1
MERCURY	N.D.	0.050	N.D.	93.8	1

Mercury extracted on May 27, 1997 and analyzed on May 27, 1997.


Christopher Arndt
Chemist


John S. Labash
Inorganics Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

June 3, 1997

Submission #: 9706003

TERRASEARCH, INC.

Atten: Robert Campbell

Project: SPANISH RANCH

Project#: E333

Received: June 2, 1997


re: 2 samples for Oil and Grease analysis.
Method: 5520 E&F

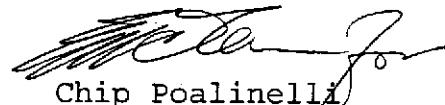
Sampled: June 2, 1997

Matrix: SOIL
Run#: 7131

Extracted: June 3, 1997
Analyzed: June 3, 1997

<u>Spl#</u>	<u>CLIENT SPL ID</u>	<u>OIL & GREASE</u> <u>(mg/Kg)</u>	<u>REPORTING</u> <u>LIMIT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>RESULT</u> <u>(mg/Kg)</u>	<u>BLANK</u> <u>SPIKE</u> <u>(%)</u>	<u>DILUTION</u> <u>FACTOR</u>
134178	2B	N.D.	50	N.D.	102	1
134179	2N	N.D.	50	N.D.	102	1


Carolyn House
Extractions Supervisor


Chip Poalinelli
Operations Manager

06003 / 134176-134179

JOB #: 9706003 REP: GC
 CLIENT: TERRARESEARCH
 JE: 06/03/97
 EF #: 33997

Reference #: 33997

CHROMALAB, INC.

Chain of Custody

Environmental Services (SDB) (DQHS 1094)

DATE 6/2/97 PAGE 1 OF 1

PROJECT INFORMATION					ANALYSIS REPORT																	
PROJ MGR <i>Bob Campbell</i>	COMPANY <i>TerraSearch Inc.</i>	ADDRESS <i>11840 Dublin Blvd Dublin, CA 94568</i>	SAMPLES (SIGNATURE) <i>Robert Campbell</i>	(PHONE NO.) <i>910-833-9277</i>	(FAX NO.) <i>910-833-9280</i>	TPH (EPA 8015, 8020) <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX QM/TBE	PURGEABLE AROMATICS BTX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) <input type="checkbox"/> Kerosene, <input type="checkbox"/> Diesel, QM.O.	PURGEABLE HALOCARBONS (HYOCs) (EPA 8010 by 8260)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B + K + E + F)	TOTAL RECOVERABLE HYDROCARBONS (EPA 418.1)	<input type="checkbox"/> PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080)	PNA's by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	<input type="checkbox"/> pH <input type="checkbox"/> Spec. Cond. <input type="checkbox"/> TSS <input type="checkbox"/> TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 8010/7470/7471)	TOTAL LEAD	<input type="checkbox"/> W.E.T. <input type="checkbox"/> TCLP	NUMBER OF CONTAINERS
SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.																		
2B	6/2/97	11:30	Soil																			1
2N	6/2/97	11:30	Soil																			1
RUSH																						

PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY				RELINQUISHED BY			
PROJECT NAME <i>Spanish Ranch</i>	PROJECT NUMBER <i>E333</i>	P.O.# <i>E333</i>	TAT	TOTAL NO OF CONTAINERS <i>2</i>	HEAD SPACE	TEMPERATURE	CONFORMS TO RECORD	(SIGNATURE) <i>Robert Campbell</i>	(TIME) <i>12:4</i>	(DATE) <i>6/2/97</i>	(COMPANY) <i>TerraSearch Inc.</i>	(SIGNATURE)	(TIME)	(DATE)	(COMPANY)
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4	SPECIAL INSTRUCTIONS/COMMENTS:							(SIGNATURE)	(TIME)	(DATE)	(COMPANY)	(SIGNATURE)	(TIME)	(DATE)	(COMPANY)



If waste is asbestos waste, complete Sections I, II, III and IV.
 If waste is NOT asbestos waste, complete only Sections I, II and III.

No. 604612

Section I: GENERATOR

a. Generator Name: KEW EARTH b. Generating Location: _____
 c. Address: 1100 LAKEMORE d. Address: 28100 GRANADA CIRCLE
EMERALD TAL 37066 HAYWARD CA
 e. Phone No.: (510) 633-9797 f. Phone No.: (510) 633-9797
 If owner of the generating facility differs from the generator, provide:
 g. Owner's Name: _____ h. Owner's Phone No.: _____
 i. BFI WASTE CODE: LA 405 061 697 00719 Containers: _____
 j. Description of Waste: Soil Contaminated k. Quantity: _____ Units: _____ No.: _____ TYPE: _____
with oil
 GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.
 * Judy Martin * Judy Martin * 06/16/97
 Generator Authorized Agent Name: _____ Signature: _____ Shipment Date: _____

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER
UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

Section II: TRANSPORTER

TRANSPORTER I
 a. Name: NG Chemical, Inc.
 b. Address: 1795 Industrial Ave
San Jose, CA 95112
 c. Driver Name/Title: AME Kowick
 d. Phone No.: 408 285 5616 e. Truck No.: 7
 f. Vehicle License No./State: 12741834
 Acknowledgement of Receipt of Materials: _____
 g. Driver Signature: _____ Shipment Date: 06/15/97

TRANSPORTER II
 h. Name: _____
 i. Address: _____
 j. Driver Name/Title: _____
 k. Phone No.: _____ l. Truck No.: _____
 m. Vehicle License No./State: _____
 Acknowledgement of Receipt of Materials: _____
 n. Driver Signature: _____ Shipment Date: _____

Section III: DESTINATION

a. Site Name: BFI - VASCO ROAD c. Phone No.: (510) 447-0671
 b. Physical Address: 11001 N. VASCO ROAD d. Mailing Address: SAME
LIVERMORE, CA 94550
 e. Discrepancy Indication Space: _____
 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.
 f. Name of Authorized Agent: _____ Signature: _____ Receipt Date: _____

Section IV: ASBESTOS

a. Operator's Name: _____ b. Operator's Phone No.: _____
 c. Operator's Address: _____
 d. Special Handling Instructions and additional information: _____
 OPERATOR'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 government regulations.
 e. Operator's Name & Title: _____ f. Name and Address of Responsible Agency: _____
 g. Friable; Non-friable; Both _____ % friable _____ % nonfriable
 * Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

TRANSPORTER RETAIN

260-7208 5/93