CONFIRMATORY AAS SAMPLING CONDUCTED AT HACIENDA VILLAGE (CAL 4-10) 1515 E. 105th Street LOS ANGELES, CALIFORNIA

CT&E Environmental Services Inc.

CT&E Environmental Services Inc.

CONFIRMATORY AAS SAMPLING CONDUCTED AT HACIENDA VILLAGE (CAL 4-10) 1515 E. 105th Street LOS ANGELES, CALIFORNIA

ESD JOB #2898

Report Issued SEPTEMBER 6, 1995

Ms. Nancy Mazzie
Housing Authority of the City of Los Angeles
2600 Wilshire Boulevard, Suite 100
Los Angeles, California 90017

Prepared by:

CT&E Environmental Services Inc.
3491 Kurtz Street
San Diego, California 92110

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EXECUTIVE SUMMARY

CT&E Environmental Services Inc.
Environmental Sciences Division

3491 Kurtz Street
San Diego, CA 92110-4430
Tel: (619) 222-0544
Fax: (619) 224-7260

September 6, 1995

Ms. Nancy Mazzie
Housing Authority of the City of Los Angeles
2600 Wilshire Boulevard, Suite 100
Los Angeles, California 90017

Executive Summary

Confirmatory lead-based paint sampling was performed using Atomic Absorption Spectrometry (AAS) on select building components at Hacienda Village (CAL 4-10), 1515 E. 105th Street, Los Angeles, California by CT&E Environmental Services Inc. Sampling was performed on these building components as part of the decision-making process concerning lead-based paint for multi-unit testing with an XRF (Chapter 4 of the HUD Regulations).

This property had been surveyed in the past using XRF equipment by Health Science Associates (report date January, 1992).

The upcoming component summary will consist of data taken from the prior Health Science Associates survey, as well as information gathered during this confirmatory survey.

The characters used to identify which surveys the data had been gathered from are:

A = Health Science Associates. - Report date January, 1992

B = CT&E Environmental Services Inc. - Report date September 6, 1995

The following decision rules are from Chapter 4 of the HUD Regulations on interpretation of sampling data and are appropriately assigned to building components within the component summary for your convenience and review.

#1 Lead is present and either all such components should be abated or all should be tested to determine which require abatement and which do not. If the testing option is chosen, all inconclusive results must be confirmed. (Test or abate all of these components.)

#2 Confirm all positive results and all inconclusive results above 1.0 mg/cm^2.

#3 No further testing or abatement of these components is required.

CT&E Environmental Services Inc.

COMPONENT SUMMARY

CT&E Environmental Services Inc.

Component Summary

Component	Survey	Action
Front Door		
Exterior Door Trim	A	1
Exterior Screen Door Outside	A	3
Exterior Screen Door Inside	A	1
Exterior Main Door	A, B	1
Interior Door Jamb	A, B	1
Interior Main Door	A	3
Interior main Door Trim	A, B	1
Living Room, Hallway, Bedroom & room		
Wall	A, B	3
Baseboard	A, B	1
Window Trim	A, B	1
Window Sill	A, B	1
Shelf	A	3
Ceiling	A	1
Floor	A	3
Door (Interior)	A, B	3
Door Jamb (Interior)	A, B	1
Door Trim (Interior)	A, B	1
Chair Rail	A, B	3
Heater Radiator	A	3
Crown Molding	A, B	1
Kitchen		
Kitchen Cabinet Door	A	3
Kitchen Cabinet Drawer	A	3
Pantry Door Trim	A	3
Kitchen Pantry Shelf	A	3
Kitchen Ceiling	A	3
Rear Exterior		
Back Door Trim Inside	A, B	1
Back Door, Main Door Inside	A, B	1
Back Door Jamb	A	1
Back Door, Main Door Outside	A	1
Back Screen Door Inside	A	3
Back Screen Door Outside	A	3
Back Door Trim Outside	A, B	1

NOTE: Action Numbers Legend

1 = Test or abate
2= Confirm all positives & inconclusives above 1.0 mg/cm2
3 = No further testing or abatement required

Component Summary (continued)

Component	Survey	Action
Front Exterior		
Eaves	A	1
Wall, Upper	A	1
Wall, Lower	A, B	1
Window Trim	A	1
Window Sill	A	1
Additional Locations		
Divider	A, B	1
Eaves	A	1
Wall, Upper	A	1
Wall, Lower	A	1
Window Trim	A, B	1
Window Sill	A	1

NOTE: Action Numbers Legend

1 = Test or abate
2 = Confirm all positives & inconclusives above 1.0 mg/cm^2
3 = No further testing or abatement required

DISCUSSION

Discussion

Upon reviewing data collected during the XRF and AAS surveys performed on this project, it becomes apparent that lead-based paint is present above the HUD regulatory levels on a variety of interior and exterior components.

Consideration should be given to abating building components which have been determined to contain lead-based paint by Atomic Absorption Spectrometry and/or a X-Ray Fluorescence Analyzer (in accordance with Chapter 4 of HUD Regulations). These building components are listed in the component summary section of this report. They can be easily identified there as the components requiring action number one. Building components which require action number two need additional confirmatory sampling and components which require action number three need no further testing or abatement. However, the actual decision-making and selection is the responsibility of the Housing Authority.

If at any time the lead-based paint from this project is to be disturbed, this should only be done by properly trained personnel in accordance with all applicable local, state and federal regulations.

Sincerely,

CT&E ENVIRONMENTAL SERVICES INC.

James Goward

James A. Goward, Project Manager
Inspector/Assessor Interim Certification #I425

JAG/ms

REVIEWED BY:

Larry Lindeen

Larry Lindeen, Vice-President
Inspector/Assessor Interim Certification #I329

CT&E Environmental Services Inc.

AAS LABORATORY ANALYSIS

United States Testing Company, Inc.
1415 Park Avenue • Hoboken, New Jersey 07030 • 201-792-2400 • Fax: 201-792-7607

RECEIVED
JAN 13 1995
CT & E ENVIRONMENTAL

REPORT OF TEST

January 6, 1995

CLIENT: United States Testing Company
3467 Kurtz Street
San Deigo, Ca 92110

PROJECT NO.: 403922

Attention: Mr. Larry Lindeen

SUBJECT:

Ninty three (93) paint chip samples collected 12/23/94 from H.A.C.L.A. Project Hacienda Village Cal 4-10.

AUTHORIZATION:

U.S. Testing Company Requisition #87191.

ANALYSIS REQUEST:

Lead Analysis.

DATE RECEIVED:

December 28, 1994.

RESULTS:

Attached.

SIGNED FOR THE COMPANY BY

Page 1 of 4
hb

Lisa Van Savage
Laboratory Manager

Timothy Kroder
Laboratory Director

SGS Member of the SGS Group

• Biology • Chemistry • Environmental • Materials • Facilities in Principal Cities •

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United States Testing Company, Inc.

CLIENT: United States Testing Co., Inc. **PROJECT NO:** 403922
DATE: 01/06/95

REPORT OF ANALYSIS FOR LEAD

DATE ANALYZED: 12/30/94-1/5/95

METHOD: "Test Methods for evaluating Solid Waste: Physical/Chemical Methods", SW-846, 3rd Edition, U.S.EPA 1986. Method 7420.

CLIENT SAMPLE ID	PROJECT SAMPLE ID	RESULTS (mg/Kg)	DETECTION LIMITS(mg/Kg)
Sample #1	403922-1	1310	13.9
Sample #2	403922-2	18600	633
Sample #3	403922-3	45.8	16.9
Sample #4	403922-4	4120	146
Sample #5	403922-5	1730	23.1
Sample #6	403922-6	14900	661
Sample #7	403922-7	829	23.8
Sample #8	403922-8	8560	395
Sample #9	403922-9	532	6.6
Sample #10	403922-10	1020	59.2
Sample #11	403922-11	3220	99.4
Sample #12	403922-12	2230	111
Sample #13	403922-13	59.3	14.1
Sample #14	403922-14	4120	385
Sample #15	403922-15	34.2	26.3
Sample #16	403922-16	1030	76.1
Sample #17	403922-17	777	8.5
Sample #18	403922-18	12100	968
Sample #19	403922-19	1470	96.0
Sample #20	403922-20	2650	129
Sample #21	403922-21	1040	9.7
Sample #22	403922-22	35.1	10.6
Sample #23	403922-23	16300	590
Sample #24	403922-24	6490	251
Sample #25	403922-25	815	9.6
Sample #26	403922-26	2120	105
Sample #27	403922-27	7060	452
Sample #28	403922-28	9630	963
Sample #29	403922-29	7030	426
Sample #30	403922-30	9710	460
Sample #31	403922-31	5280	429
Sample #32	403922-32	2610	99.2
Sample #33	403922-33	115	11.6
Sample #34	403922-34	3950	324
Sample #35	403922-35	2110	77.7

ND = Not Detected.
mg/Kg = Parts Per Million (PPM).

United States Testing Company, Inc.

CLIENT: United States Testing Co., Inc. **PROJECT NO:** 403922
DATE: 01/06/95

REPORT OF ANALYSIS FOR LEAD

DATE ANALYZED: 12/30/94-1/5/95

METHOD: "Test Methods for evaluating Solid Waste: Physical/Chemical Methods", SW-846, 3rd Edition, U.S.EPA 1986. Method 7420.

CLIENT SAMPLE ID	PROJECT SAMPLE ID	RESULTS (mg/Kg)	DETECTION LIMITS(mg/Kg)
Sample #36	403922-36	8640	524
Sample #37	403922-37	23300	642
Sample #38	403922-38	4790	571
Sample #39	403922-39	*	
Sample #40	403922-40	189	10.8
Sample #41	403922-41	2820	226
Sample #42	403922-42	476	32.8
Sample #43	403922-43	331	18.3
Sample #44	403922-44	433	12.2
Sample #45	403922-45	28700	816
Sample #46	403922-46	1150	82.4
Sample #47	403922-47	12.8	9.1
Sample #48	403922-48	2290	120
Sample #49	403922-49	976	77.5
Sample #50	403922-50	11500	521
Sample #51	403922-51	2450	295
Sample #52	403922-52	702	9.4
Sample #53	403922-53	32200	843
Sample #54	403922-54	14600	652
Sample #55	403922-55	270	8.5
Sample #56	403922-56	60.2	17.7
Sample #57	403922-57	499	11.2
Sample #58	403922-58	80.2	8.5
Sample #59	403922-59	2810	93.8
Sample #60	403922-60	26000	943
Sample #61	403922-61	1560	68.2
Sample #62	403922-62	2290	62.3
Sample #63	403922-63	190*	28.0
Sample #64	403922-64	1500	103
Sample #65	403922-65	1850	69.4
Sample #66	403922-66	7000	353
Sample #67	403922-67	11000	877
Sample #68	403922-68	2300	177
Sample #69	403922-69	1660	102
Sample #70	403922-70	2590	108

ND = Not Detected.
mg/Kg = Parts Per Million (PPM).
* Did not receive sample #39.

United States Testing Company, Inc.

CLIENT: United States Testing Co., Inc. **PROJECT NO:** 403922
DATE: 01/06/95

REPORT OF ANALYSIS FOR LEAD

DATE ANALYZED: 12/30/94-1/5/95

METHOD: "Test Methods for evaluating Solid Waste: Physical/Chemical Methods", SW-846, 3rd Edition, U.S.EPA 1986. Method 7420.

CLIENT SAMPLE ID	PROJECT SAMPLE ID	RESULTS (mg/Kg)	DETECTION LIMITS(mg/Kg)
Sample #71	403922-71	93300	910
Sample #72	403922-72	1840	90.2
Sample #73	403922-73	15900	564
Sample #74	403922-74	702	8.1
Sample #75	403922-75	1980	89.7
Sample #76	403922-76	898	15.5
Sample #77	403922-77	85300	8280
Sample #78	403922-78	2550	97.8
Sample #79	403922-79	3410	121
Sample #80	403922-80	2620	97.5
Sample #81	403922-81	357	7.2
Sample #82	403922-82	2800	127
Sample #83	403922-83	247	31.6
Sample #84	403922-84	1320	82.2
Sample #85	403922-85	2450	194
Sample #86	403922-86	2570	110
Sample #87	403922-87	2820	76.5
Sample #88	403922-88	727	10.9
Sample #89	403922-89	748	15.8
Sample #90	403922-90	3990	209
Sample #91	403922-91	805	66.6
Sample #92	403922-92	1560	89.5
Sample #93	403922-93	869	10.3
Sample #94	403922-94	2940	83.3

ND = Not Detected.
mg/Kg = Parts Per Million (PPM).

Report Date: 1/13/97

CT&E ENVIRONMENTAL SERVICES INC.

4440 Glen Este-Withamsville Road, Suite 900, Cincinnati, OH 45245-1331

Client: CT&E Environmental Services Inc.
Client Address: 3491 Kurtz Street, San Diego, CA
Project Description: HACLA Hacienda Village
Project Number:
Samples collected by: Client
Samples received by lab: January 8, 1997, 9:15

Contact: Rick DeNisco
Matrix: Paint Chip

Sample ID	CT&E Lab #	Date/Time Sampled	MDL	Lead Result	Units	Date Analyzed	Time	Analyst	Method No.
164: LIVINGRM WALL	OH73777	12/17/97 14:00	50	130	mg/Kg	1/10/97	15:10	SEP	SW7420
7: KITCHEN WALL	OH73778	12/17/97 14:00	50	1200	mg/Kg	1/10/97	15:13	SEP	SW7420
9: KITCHEN WALL	OH73779	12/17/97 14:00	50	1200	mg/Kg	1/10/97	15:14	SEP	SW7420
58: KITCHEN WALL	OH73780	12/17/97 14:00	50	2900	mg/Kg	1/13/97	12:52	SEP	SW7420
12: KITCHEN WALL	OH73781	12/17/97 14:00	50	890	mg/Kg	1/10/97	15:16	SEP	SW7420
183: BEDRM WALL	OH73782	12/17/97 14:00	50	2200	mg/Kg	1/13/97	12:53	SEP	SW7420
101: KITCHEN CEILING	OH73783	12/17/97 14:00	50	5900	mg/Kg	1/13/97	12:54	SEP	SW7420
179: BATH CEILING	OH73784	12/17/97 14:00	50	240	mg/Kg	1/10/97	15:21	SEP	SW7420
18: LIVINGRM CEILING	OH73785	12/17/97 14:00	50	1300	mg/Kg	1/10/97	15:22	SEP	SW7420
42: BATH DOOR	OH73786	12/17/97 14:00	50	1600	mg/Kg	1/10/97	15:25	SEP	SW7420

AIHA ACCREDITATION #15873
OHIO ELAP LAB ID #10026
NEW YORK ELAP LAB ID # 11562
ND: Not Detected at concentration greater than MDL - Method Detection Limit

Respectfully Submitted:
Kendall Sutler, Laboratory Manager

NOV. 04 '97 (TUE) 14:36 CT&E ENVIRONMENTAL SVCS 619 224 7260 PAGE. 3

United States Testing Co., Inc.
Environmental Sciences Division
Western Region
3467 Kurtz Street, San Diego, California 92110

(1-38 40-54)

DATE RECEIVED: 12-23-94 **ANALYSIS REQUEST** 93 **# SAMPLES RECEIVED:**
JOB #: 2898

CLIENT'S NAME: NANCY MAZZIE
ADDRESS: H.A.C.L.A
1533 Wilshire Blvd.
L.A. CA. 90017
PHONE:

Project:
HACIENDA VILLAGE
CAL 4-10

SAMPLE INFORMATION

DATE	ID	~~LOCATION~~ Component Apt		TYPE
12-23-94	1	2	Bedroom Crown molding	AAS For lead
	2	2	REAR EXTERIOR WALL	
	3	4	BACK DOOR INSIDE	
	4	7	Bedroom Baseboard	
	5	7	Bedroom crown molding	
	6	9	EXTERIOR main entry door	
	7	9	Bedroom baseboard	
	8	14	EXTERIOR main entry door	
	9	14	Bedroom baseboard	
	10	15	Living Room WALL	
	11	15	Kitchen WALL	
	12	15	HALL DOOR	
	13	15	FRONT EXTERIOR DIVIDER	
	14	18	REAR EXTERIOR LOWER WALL	
	15	18	Bedroom Baseboard	
	16	25	Living Room Baseboard	

Received from James Howard Received by _____

ORIGINAL TO U. S. TESTING COPY TO CLIENT

United States Testing Co., Inc.
Environmental Sciences Division
Western Region
3467 Kurtz Street, San Diego, California 92110

DATE RECEIVED: 12-23-94 **ANALYSIS REQUEST** 93 **# SAMPLES RECEIVED:**

JOB #: 2858

CLIENT'S NAME:
ADDRESS: NANCY MAZZIE

PHONE:

SAMPLE INFORMATION

DATE	ID	Apt #	~~Component~~ LOCATION	TYPE
12-23-94	17	25	HALL BASEBOARD	AAS For LEAD
	18	25	EXTERIOR, MAIN ENTRY DOOR	
	19	34	LIVING ROOM BASEBOARD	
	20	34	LIVING ROOM CROWN molding	
	21	36	HALL BASEBOARD	
	22	42	EXTERIOR MAIN ENTRY DOOR	
	23	46	EXTERIOR MAIN ENTRY DOOR	
	24	46	FRONT LOWER WALL	
	25	49	Kitchen WINDOW TRIM	
	26	49	BATHROOM CHAIR RAIL	
	27	51	HALL DOOR TRIM	
	28	51	BACK DOOR, INSIDE	
	29	51	REAR EXTERIOR LOWER WALL	
	30	63	Bedroom door JAMB	
	31	63	BATHROOM door JAMB	
	32	70	HALL Window sill	

Received from Jim Goward Received by _____

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United States Testing Co., Inc.
Environmental Sciences Division
Western Region
3467 Kurtz Street, San Diego, California 92110

DATE RECEIVED: 12-23-94

ANALYSIS REQUEST 93 **# SAMPLES RECEIVED:**

JOB #: 2898

CLIENT'S NAME: NANCY MAZZIE
ADDRESS:

PHONE:

SAMPLE INFORMATION

DATE	ID	Apt	Component LOCATION	TYPE
12-23-94	33	70	BACK DOOR TRIM INSIDE	AAS FOR LEAD.
	34	77	Bedroom DOOR JAMB,	
	35	78	Bedroom DOOR JAMB,	
	36	78	BACK door inside	
	37	82	LIVING ROOM DOOR JAMB, INSIDE	
	38	82	Kitchen window Trim,	
	[redacted]			
	40	82	Bedroom baseboard	
	41	88	Back door trim inside	
	42	95	hall baseboard	
	43	95	Bedroom baseboard	
	44	95	Bedroom door jamb,	
	45	95	Backdoor Trim outside	
	46	96	Living Room baseboard	
	47	96	Kitchen baseboard	
	48	96	HALL door jamb,	

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93

United States Testing Co., Inc.
Environmental Sciences Division
Western Region
3467 Kurtz Street, San Diego, California 92110

DATE RECEIVED: 12-23-94 **ANALYSIS REQUEST** 93 **# SAMPLES RECEIVED:**

JOB #: 2898

CLIENT'S NAME: NANCY MAZZIE
ADDRESS:

PHONE:

SAMPLE INFORMATION

DATE	ID	Apt #	LOCATION	TYPE
12-23-94	49	96	HALL Baseboard	AAS For lead
	50	96	Kitchen window TRIM	
	51	101	HALL BASEBOARD	
	52	105	Bedroom Baseboard	
	53	105	Front, EXTERIOR WINDOW TRIM	
	54	107	Kitchen window TRIM	
	55	107	Bedroom Baseboard	
	56	113	Kitchen Baseboard	
	57	113	Bedroom baseboard	
	58	121	BATHROOM DOOR JAMB,	
	59	131	Kitchen window TRIM	
	60	131	BACK door inside	
	61	131	HALL door TRIM	
	62	131	BACK DOOR TRIM OUTSIDE.	
	63	135	Bedroom Baseboard	
	64	135	Bedroom Crown molding	

Received from Jim Ward Received by

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94

United States Testing Co., Inc.
Environmental Sciences Division
Western Region
3467 Kurtz Street, San Diego, California 92110

DATE RECEIVED: 12-23-94

ANALYSIS REQUEST 93 **# SAMPLES RECEIVED:**

JOB #: 2855

CLIENT'S NAME: NANCY MAZZIE
ADDRESS:

PHONE:

SAMPLE INFORMATION

DATE	ID	Apt #	~~Comment~~ LOCATION	TYPE
12-23-94	65	135	Bedroom door Jamb,	AAS For PAD
	66	135	REAR EXTERIOR LOWER WALL	
	67	140	Kitchen window Trim	
	68	140	Bedroom Baseboard	
	69	140	Bedroom door jamb,	
	70	140	BATHROOM DOOR JAMB,	
	71	145	ENTRY DOOR JAMB,	
	72	145	ENTRY DOOR TRIM EXTERIOR	
	73	145	Kitchen Window Trim	
	74	145	Bedroom Baseboard	
	75	145	Bedroom door jamb,	
	76	145	BATHROOM DOOR JAMB,	
	77	151	~~TRIM~~ ENTRY DOOR TRIM EXTERIOR	
	78	151	Kitchen Window Trim	
	79	151	Bedroom Baseboard	
	80	161	LIVING ROOM BASEBOARD	

Received from Jim Howard Received by _____

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United States Testing Co., Inc.
Environmental Sciences Division
Western Region
3467 Kurtz Street, San Diego, California 92110

DATE RECEIVED: 12-23-94

ANALYSIS REQUEST 93

 # SAMPLES RECEIVED:

JOB #: 2854

CLIENT'S NAME: NANCY MAZZIE

ADDRESS:

PHONE:

SAMPLE INFORMATION

DATE	ID	Apt #	~~LOCATION~~ Component	TYPE
12-23-94	81	161	HALL BASEBOARD	AAS FOR LEAD.
	82	161	Bedroom Baseboard	
	83	164	Bedroom Baseboard	
	84	149	Bedroom door jamb,	
	85	169	Bedroom baseboard	
	86	169	hall, wall	
	87	178	Kitchen Window Trim	
	88	178	HALL baseboard	
	89	178	Bedroom crown molding	
	90	179	Kitchen Window trim	
	91	179	Back door trim inside	
	92	179	Back door inside	
	93	179	Bedroom baseboard	
	94	179	Bathroom chair RAIL	

Received from Jim Goward Received by _____

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CHAIN OF CUSTODY RECORD

CT&E Environmental Services Inc.
Laboratory Division

- Alaska
- California
- Florida
- Illinois
- Maryland
- Michigan
- Missouri
- New Jersey
- Ohio
- Pennsylvania
- West Virginia

(1)

CLIENT: CT&E San Diego
CONTACT: Rick DeNisco PHONE NO: (619) 2220544
PROJECT: HACLA SITE: Hacienda Village
REPORTS TO: S.D. Office, CT&E
FAX NO: (619) 224-7260
INVOICE TO:
P.O. NUMBER:

CT&E Reference:
PAGE ____ OF ____

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No. CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	Preservatives Used	Analysis Required (3) AA for Pb	REMARKS
DH73777	64: Living Rm. Wall	12/17/96	2:00	Paint Chip	1			✓	
78	7: Kitchen Wall				1			✓	
79	9: ↓ ↓				1			✓	
80	58: ↓ ↓				1			✓	
81	12: ↓ ↓				1			✓	
82	183: Bedrm. ↓				1			✓	
83	101: Kitchen Ceiling				1			✓	
84	179: Bath ↓				1			✓	
85	18: Living Rm ↓				1			✓	
86	42: Bath ↓ Door				1			✓	

(5)

	Date	Time	
Collected/Relinquished By: (1)	1/7/96	1:00	Received By:
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 1-8-97	Time 9:15	Received For Laboratory By: Stephanie A Miller

(4)

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C:
Data Deliverables Required
Level I Level II Level III
Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT
Requested Turnaround Time and Special Instructions: Normal

4440 Glen Este-Withamsville Rd., Suite 900 Cincinnati, OH 45245 Tel: (513) 752-9696 Fax (513) 752-2614
White - Retained by Lab (Project File) Yellow - Returned with Report Pink - Retained by Sampler

NOV. 04 '97 (TUE) 14:39 CT&E ENVIRONMENTAL SVCS 619 224 7260 PAGE. 4

CERTIFICATIONS

STATE OF CALIFORNIA—HEALTH AND WELFARE AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF HEALTH SERVICES
2151 BERKELEY WAY
BERKELEY, CA 94704-1011

(510) 450-2453

June 6, 1995

Mr. James A. Goward
1714 Summer Place Drive
El Cajon, California 92021

Dear Mr. Goward:

Congratulations! You have met the California Department of Health Services requirements to be Interim Certified as a Lead-Related Construction Inspector/Assessor.

You will receive a photo identification card from the Department of Health Services at a later date. Until then, this letter serves as your proof of Interim Certification by the Department.

Your Interim Certification expires on 06/05/96. Your interim certificate number is I425. To renew your Interim Certification, you must apply for renewal to the Department by 02/06/96.

Thank you for your cooperation.

Sincerely,

Kim Cox

Kim Cox, M.P.H., Chief
Lead Accreditation and
Certification Unit,
Childhood Lead Poisoning
Prevention Branch

WESTERN REGIONAL LEAD TRAINING CENTER

AT THE UNIVERSITY OF CALIFORNIA, SAN DIEGO

15090 AVENUE OF SCIENCE • SAN DIEGO, CA 92128 • 1-800/572-LEAD

This is to verify that

JAMES GOWARD

has successfully completed 24 hours of instruction in

LEAD INSPECTOR TRAINING

FALL 1992 NOV. 16 1992

Date

David Carey, Director
Western Regional Lead Training Center

EPA

Certificate No.
I0028

No. 1184

This is to certify that

JAMES GOWARD

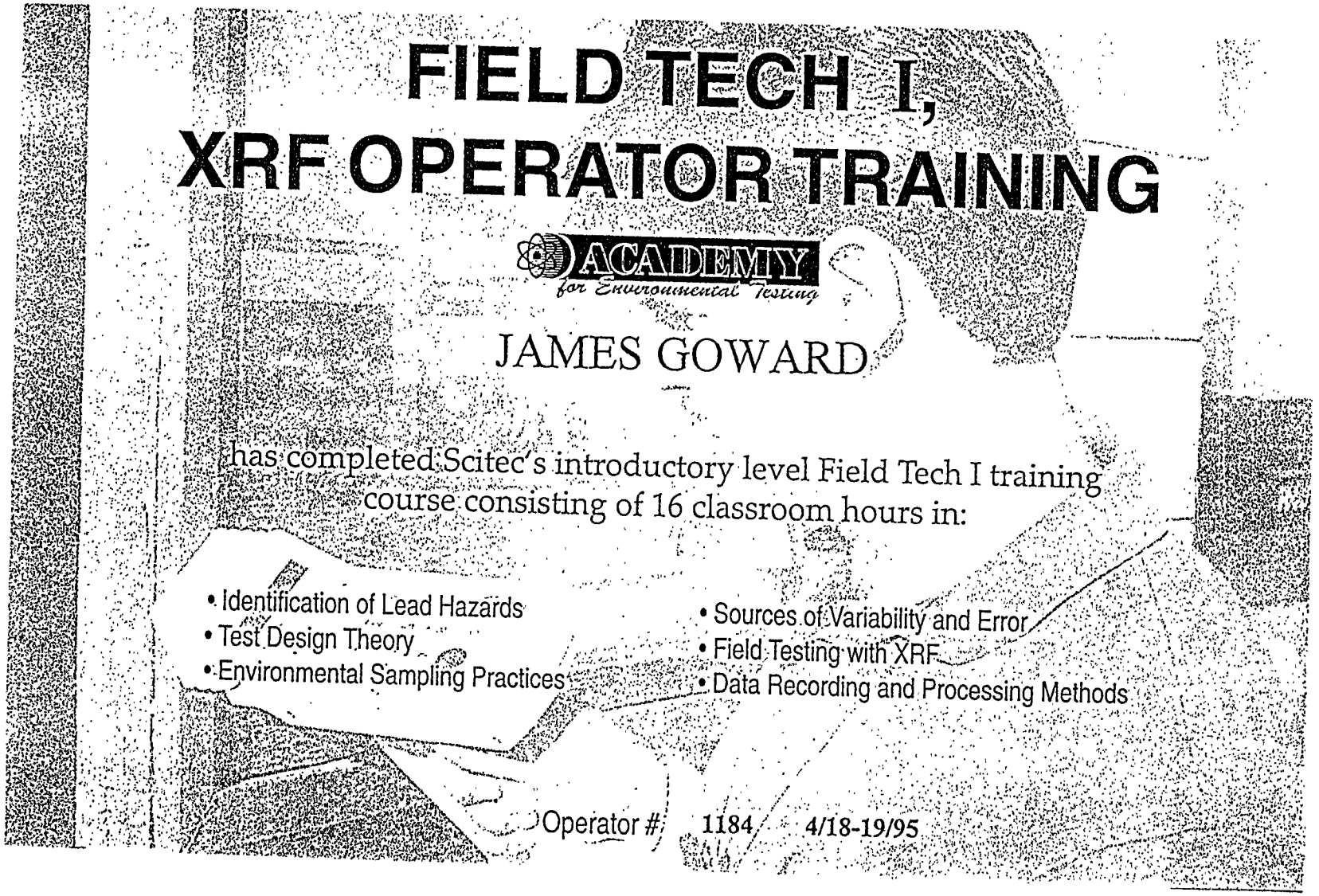
has satisfactorily completed SCITEC Corporation's Training Course consisting of 40 classroom hours in:

- Advanced Report Manager© Training
- AccuData™ Method Training
- Standard Field Testing Methods
- Advanced Sample Coding Techniques
- Automatic Report Generation Techniques
- Advanced Quality Control Techniques

Instructor Douglas R. Burrell Date 4/20-21/95

ARM AccuData

SCITEC CORPORATION


FIELD TECH I,
XRF OPERATOR TRAINING
ACADEMY
for Environmental Testing
JAMES GOWARD
has completed Scitec's introductory level Field Tech I training course consisting of 16 classroom hours in:
• Identification of Lead Hazards
• Test Design Theory
• Environmental Sampling Practices
• Sources of Variability and Error
• Field Testing with XRF
• Data Recording and Processing Methods
Operator # 1184 4/18-19/95

Certificate of Training

№ 001884

RADIATION TRAINING PROGRAM

THIS IS TO CERTIFY THAT

JAMES GOWARD

HAS SATISFACTORILY COMPLETED SCITEC CORPORATION'S
WASHINGTON STATE APPROVED RADIATION TRAINING COURSE
CONSISTING OF EIGHT CLASSROOM HOURS.

SCITEC CORPORATION

Instructor _____

Date December 7, 1992

UCSD Extension
University of California, San Diego

This is to verify that

James Goward

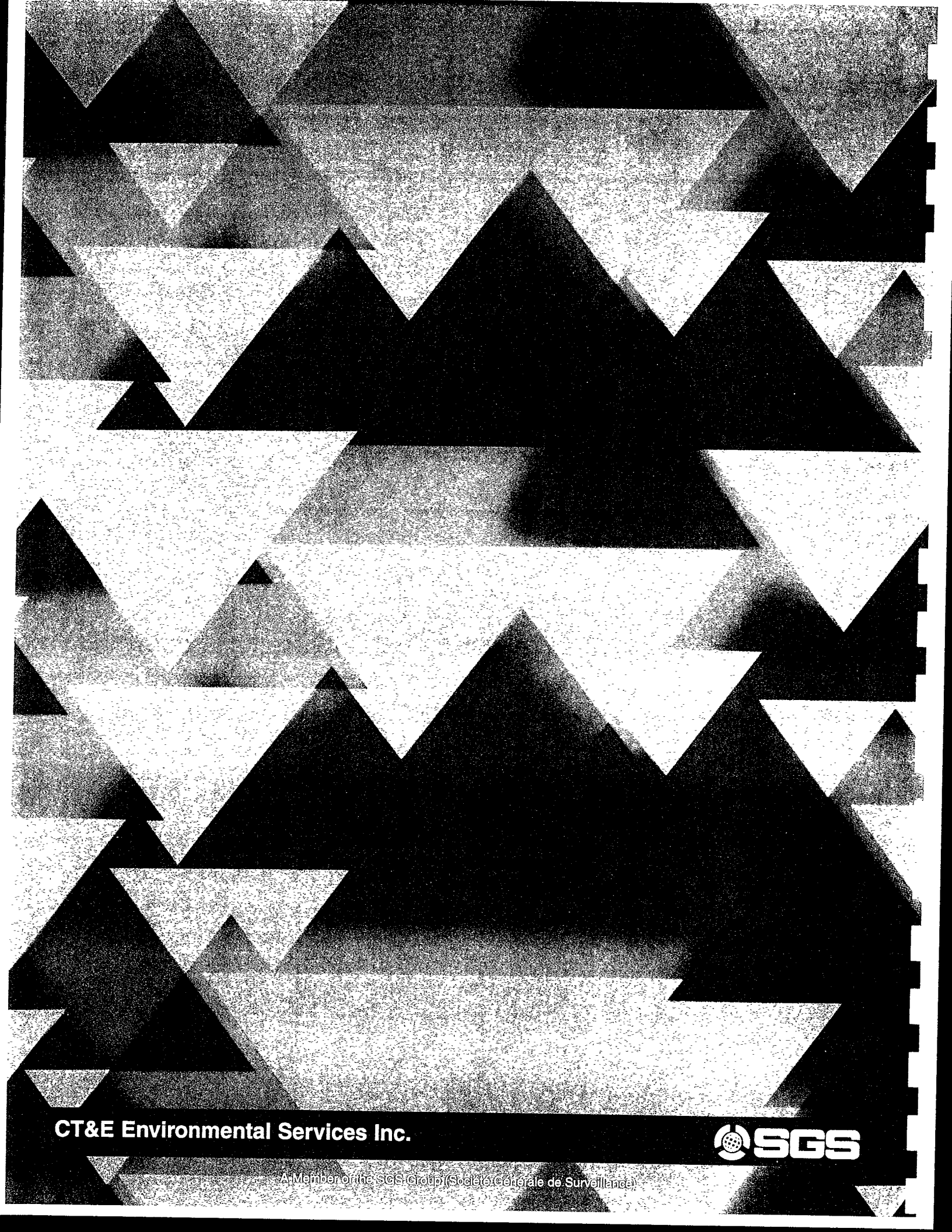
has completed 12 hours in the course

Risk Assessment Protocol for Lead Contamination

with the Environmental Training Center

SEPTEMBER 22-23, 1994
Date

Dave Carey
David W. Carey, Director
Department of Environmental Management


CT&E Environmental Services Inc.
SGS
A Member of the SGS Group (Société Générale de Surveillance)