

**Lead-Containing Paint Survey Report for the Sand Island State
Park Accessibility Renovations at Sand Island State Park, 501
Parkway Drive, Honolulu, Hawaii 96819**

Prepared for:

SATO & ASSOCIATES, INC.
2046 S. King Street
Honolulu, Hawaii 96826

Prepared by:

EDWARD K. NODA AND ASSOCIATES, INC.
615 Piikoi Street, Suite 300
Honolulu, Hawaii 96814

CN 2351-01F
August 2003

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I. EXECUTIVE SUMMARY

Edward K. Noda and Associates, Inc. (EKNA) was retained by Sato and Associates, Inc., to conduct an investigative lead-containing paint (LCP) survey of surfaces that may be disturbed during the accessibility renovations of the Sand Island State Park Comfort Station #'s 1 through 6, the Train Playground, and the Bunker Playground.

Utilizing atomic absorption spectrometry (AAS) for analysis of bulk paint chip samples, the following paint colors contain lead at a concentration greater than the laboratories analytical limit of detection (>LOD) and are considered lead-containing paints (LCPs). Paints which contain lead at concentrations greater than 5,000 parts per million (>5,000 ppm), 5,000 milligrams per kilogram (>5,000 mg/kg), one-half of one percent (>0.5%) or one milligram per square centimeter (>1.0 mg/cm²) are considered lead-based paint (LBP) under Environmental Protection Agency (EPA) regulations and Housing and Urban Development (HUD) Guidelines (Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing) and are indicated as (LBP) below. See Appendix A for sample locations and Appendix B for analytical results.

COMFORT STATION #1

Green Paint

COMFORT STATION #2

Green Paint

COMFORT STATION #3

None

COMFORT STATION #4

Green Paint
Brown Paint

COMFORT STATION #5

Green Paint
Yellow Paint

COMFORT STATION #6

None

(List Cont.)

TRAIN PLAYGROUND

Green Paint (LBP)
Red Paint
Yellow Paint

BUNKER PLAYGROUND

Green Paint (LBP)
Yellow Paint

II. SAMPLING METHODOLOGY

On July 02, 2003, EKNA's accredited lead risk assessor, Michael Vaughn, (see Appendix C for Risk Assessor Certificate) sampled for the presence of LCP at the Sand Island State Park Comfort Station #'s 1 through 6, the Train Playground, and the Bunker Playground.

EKNA conducted the on-site survey by collecting representative paint chip samples from the various building components at the project site. The samples were placed in individual zip-lock plastic bags, sealed, and labeled with a unique sample identification numbers. Samples were analyzed at NVL Laboratories, Inc. (NVL) of Seattle, Washington to determine lead content. NVL participates in the American Industrial Hygiene Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP) for lead.

Samples for which laboratory analysis identifies lead present above the analytical limit of detection for the AAS instrument are considered to be LCP (see Appendix B for Sample Results).

III. RECOMMENDATIONS

A green lead-based paint (LBP) was identified on the Train and Bunker Playground structures. In addition, the red paint utilized on the Train playground structure was reported as having a lead concentration of 4,800 mg/kg, slightly below the EPA and HUD criteria of 5,000 mg/kg for LBP. These structures are not under HUD's jurisdiction for public and Indian housing. Were these under HUD's jurisdiction, they would be considered high contact surfaces for children and a response action under the HUD Guidelines would be required. Response actions under the HUD Guidelines include permanent measures to control lead hazards (e.g., removal, enclosure [20 + years], encapsulation [20+ years]) and interim controls (paint film stabilization, treatment of friction surfaces, bare soil and dust control, education of occupants and workers, and periodic evaluations by certified individuals). Interim controls are considered a temporary means to make dwellings safe until permanent measures can be implemented.

Regarding renovation work and any subsequent disposal of LCP, the following issues should be addressed:

When LCP is removed from building elements by scraping, wire brushing, sanding, heat gun or media blasting, the resultant airborne particulate, fumes or debris may create a hazardous environment with respect to employee exposures or the deposition of debris into soils or water sources. If removal of LCP is performed, respiratory protection, personnel air monitoring and installation of critical barriers may be necessary.

If LCP is removed, the paint debris may constitute a hazardous waste. Debris (scrapings, etc.) must be characterized by TCLP testing to determine the proper manner of waste disposal (i.e., as a hazardous or non-hazardous waste).

Items with adhered LCP which pass the Toxicity Characteristic Leaching Procedure (TCLP) test may be removed intact (without disturbing the paint) and disposed of directly into the landfill as a general construction waste/debris. The receiving landfill facility should be provided a copy of the TCLP test results.

Metal items with adhered LCP may be recycled.

For this project, EKNA recommends the following:

Due to the green LBP on the Train and Bunker playground structures and the red LCP on the train playground structure being high contact surfaces for children, these paints should be removed. Interim control measures would not be appropriate for paints which will continuously deteriorate as a result of exposure to the elements. Soils adjacent to these structures should also be tested to ensure they are not a potential route of exposure for small children (inhalation and ingestion [i.e., hand to mouth]).

When disturbing LCPs, and there is a potential for worker exposure to airborne lead, OSHA requirements will apply (i.e., site specific engineering controls, employee/worker responsibilities, worker exposure assessments, hand washing facilities, dust controls, etc.).

The renovation contractor performing work affecting the lead-containing paints should be advised of paint lead levels and evaluate their proposed methods of protecting human health and the environment with respect to OSHA requirements, and abide by EPA and landfill requirements regarding handling and disposal of paint debris.

All trades involved in renovation activities at the work site should be advised of the location and extent of LCP during renovation activities.

IV. LIMITATIONS

This survey involved the identification of accessible painted surfaces which may be disturbed during the accessibility renovation work. Sampling techniques were limited to acquisition of samples sufficient for laboratory analysis.

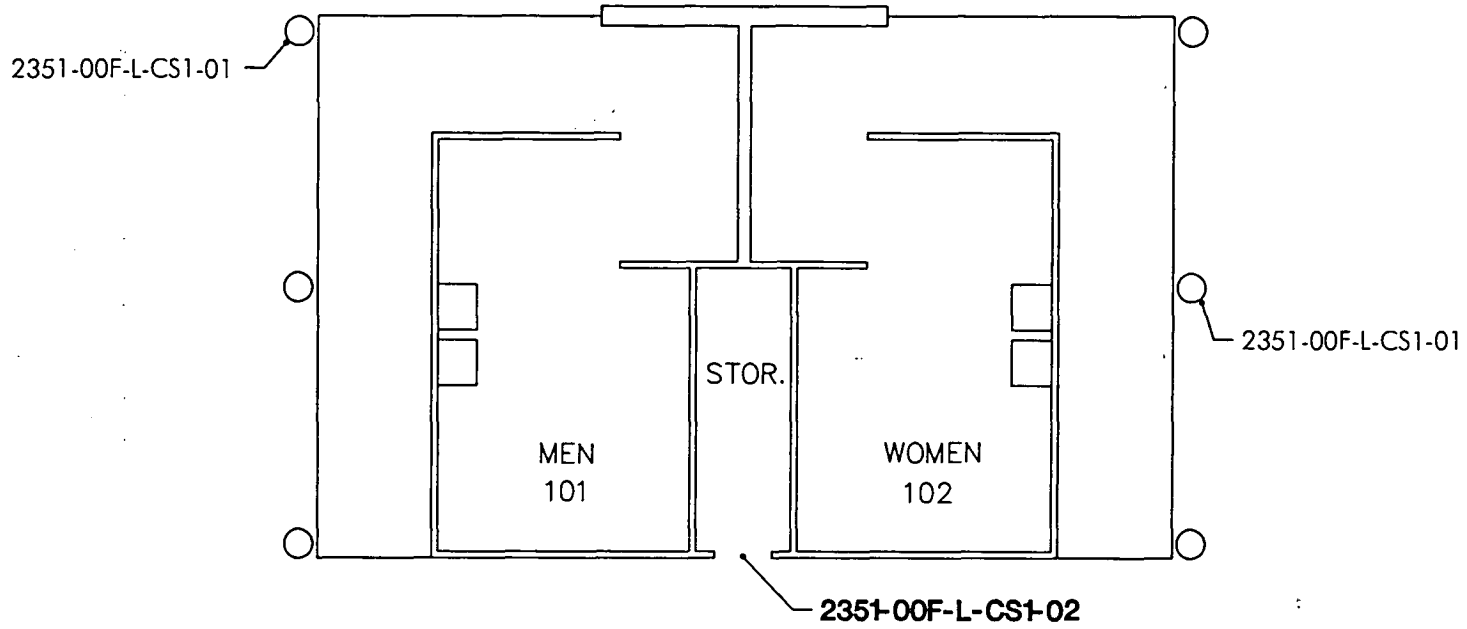
This survey does not constitute a final statement as to the occurrence and/or extent of LCP. Undetected LCP may be present in inaccessible areas such as underground tunnels, LCP on substrates within wall or ceiling cavities, or materials encased in concrete.

The information set forth is based solely on the agreed upon scope of services. This information is based on personal observation and the results of the LCP survey. Edward K. Noda and Associates, Incorporated expressly disclaims any and all liability representations, expressed, or implied, contained in, or for omissions from this report, or any other written or oral communication which might be interpreted as establishing the total extent of all liability present at the subject property.

Our services have been performed with the usual thoroughness and competence of the consulting profession, in accordance with the standards of professional services at this time. No other warranty or representation, either expressed or implied, is included or intended.

EDWARD K. NODA AND ASSOCIATES, INC.

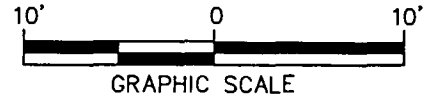
APPENDIX A
PAINT CHIP SAMPLE LOCATIONS



LEGEND

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION BELOW THE AAS ANALYTICAL LIMIT OF DETECTION

COMFORT STATION #1



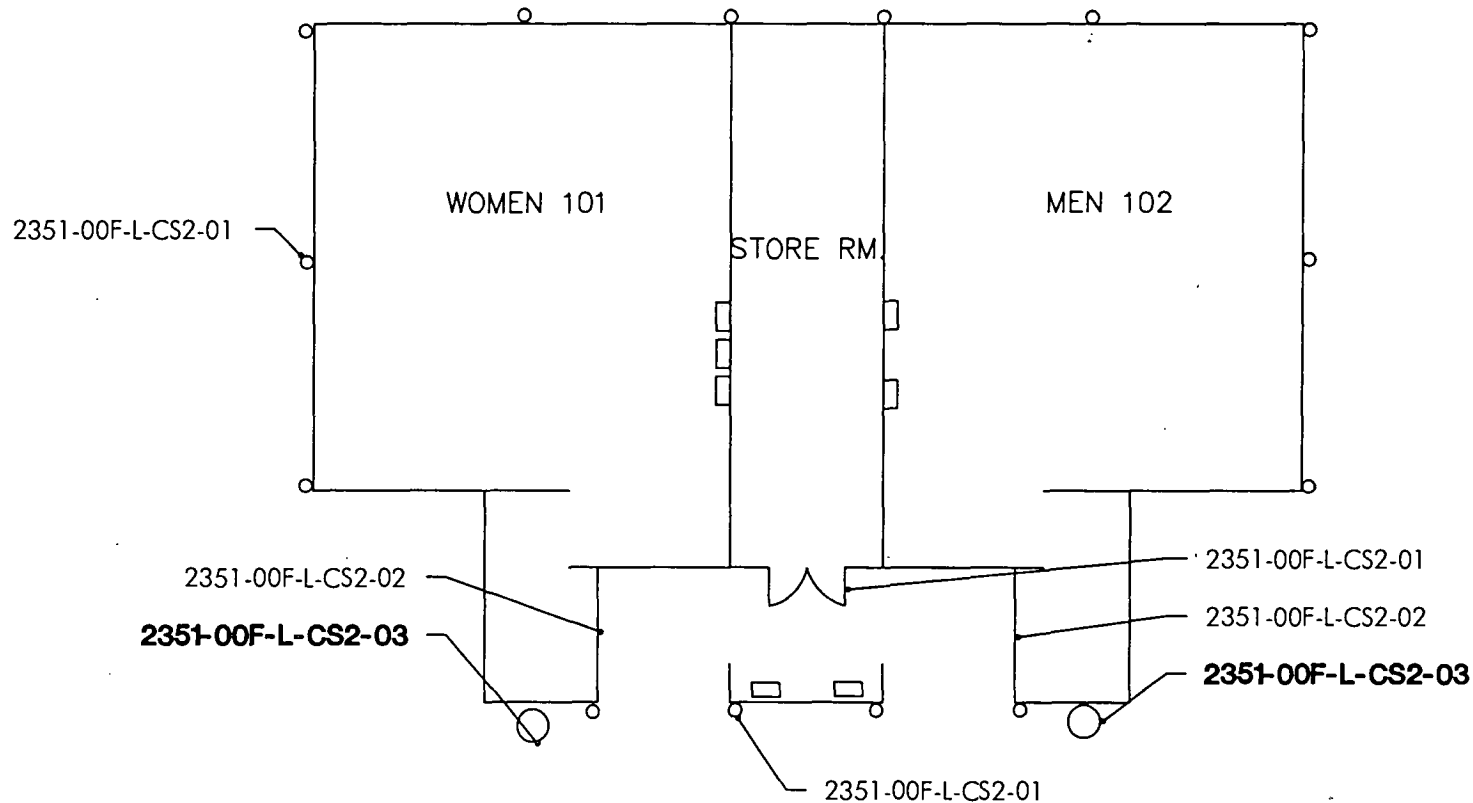
2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION ABOVE THE AAS ANALYTICAL LIMIT OF DETECTION


Edward K. Noda
and Associates, Inc.
615 PIKOI STREET, SUITE 300, HONOLULU, HAWAII, 96814

ASBESTOS AND LEAD-CONTAINING PAINT
SURVEYS, REPORT AND ABATEMENT
SPECIFICATIONS FOR SAND ISLAND PARK
ACCESSIBILITY RENOVATIONS

COMPOSITE
PAINT CHIP
SAMPLE LOCATIONS

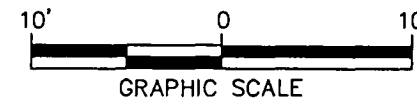
FIGURE
1



LEGEND

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION BELOW THE AAS ANALYTICAL LIMIT OF DETECTION COMFORT STATION #2

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION ABOVE THE AAS ANALYTICAL LIMIT OF DETECTION

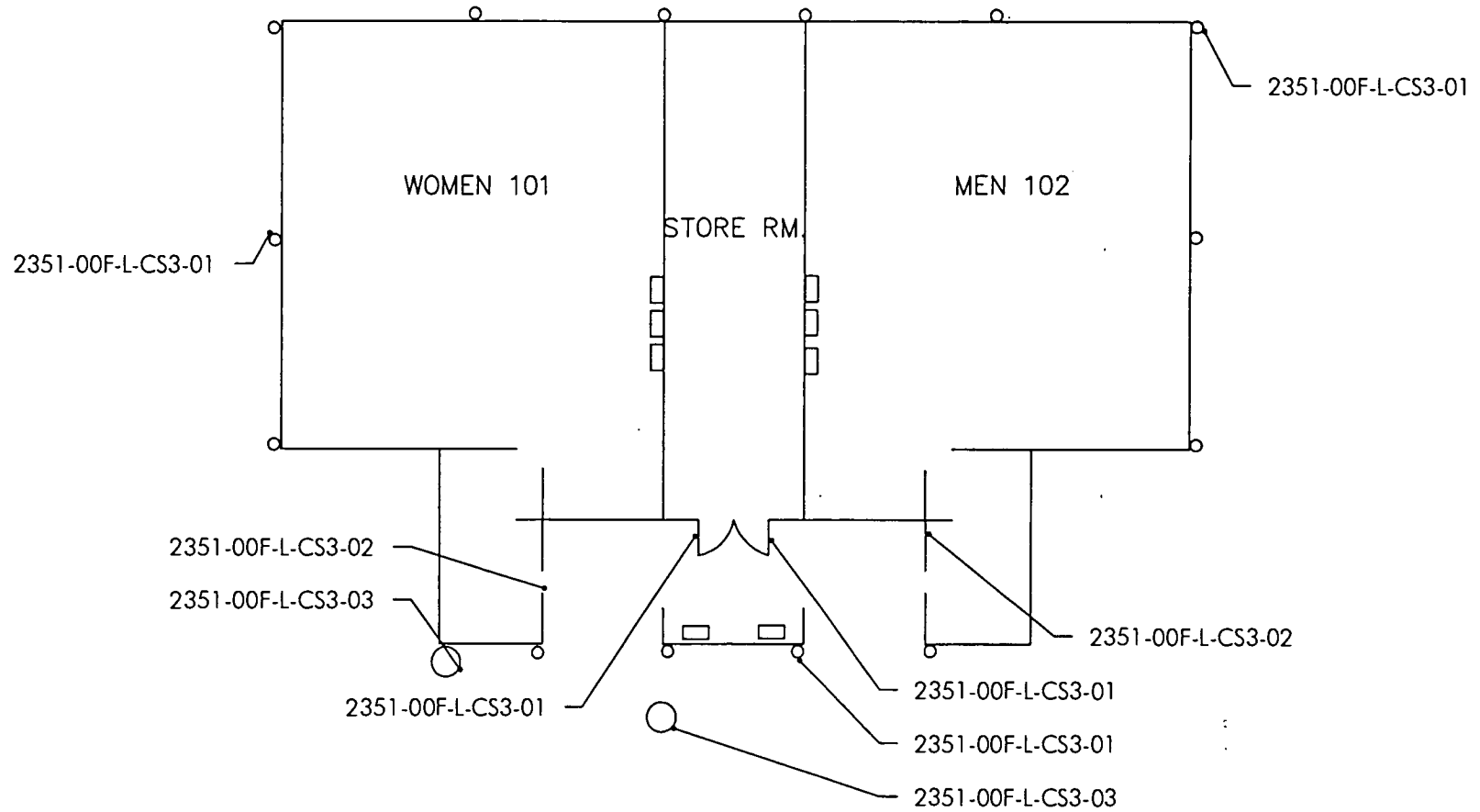



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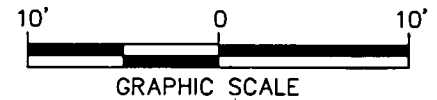
ASBESTOS AND LEAD-CONTAINING PAINT
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 SPECIFICATIONS FOR SAND ISLAND PARK
 ACCESSIBILITY RENOVATIONS

COMPOSITE
 PAINT CHIP
 SAMPLE LOCATIONS

FIGURE
 2



COMFORT STATION #3



LEGEND

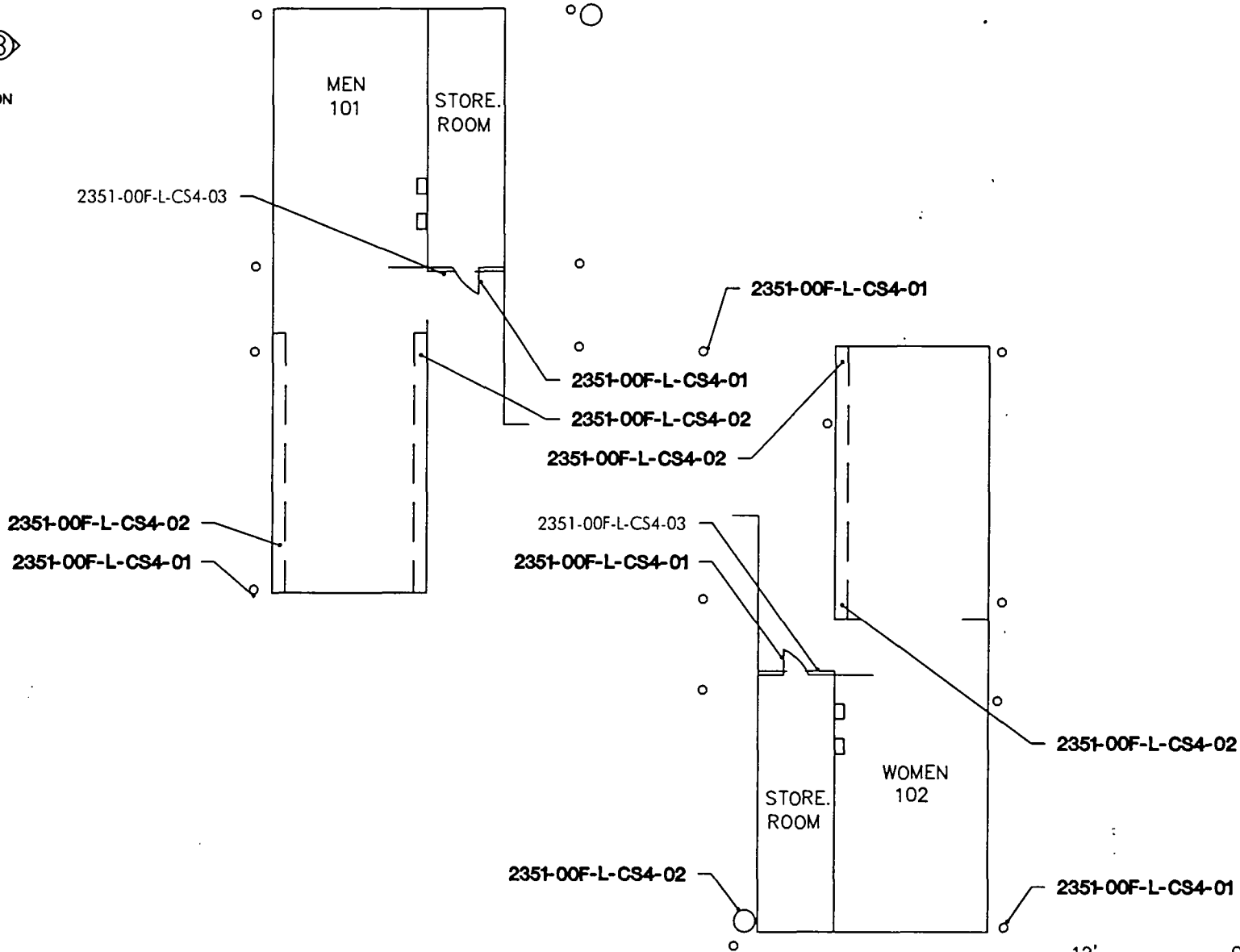
2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION BELOW THE AAS ANALYTICAL LIMIT OF DETECTION

 **Edward K. Noda
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ASBESTOS AND LEAD-CONTAINING PAINT
SURVEYS, REPORT AND ABATEMENT
SPECIFICATIONS FOR SAND ISLAND PARK
ACCESSIBILITY RENOVATIONS

COMPOSITE
PAINT CHIP
SAMPLE LOCATIONS

FIGURE
3

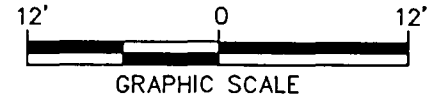


LEGEND

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION BELOW THE AAS ANALYTICAL LIMIT OF DETECTION

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION ABOVE THE AAS ANALYTICAL LIMIT OF DETECTION

COMFORT STATION #4

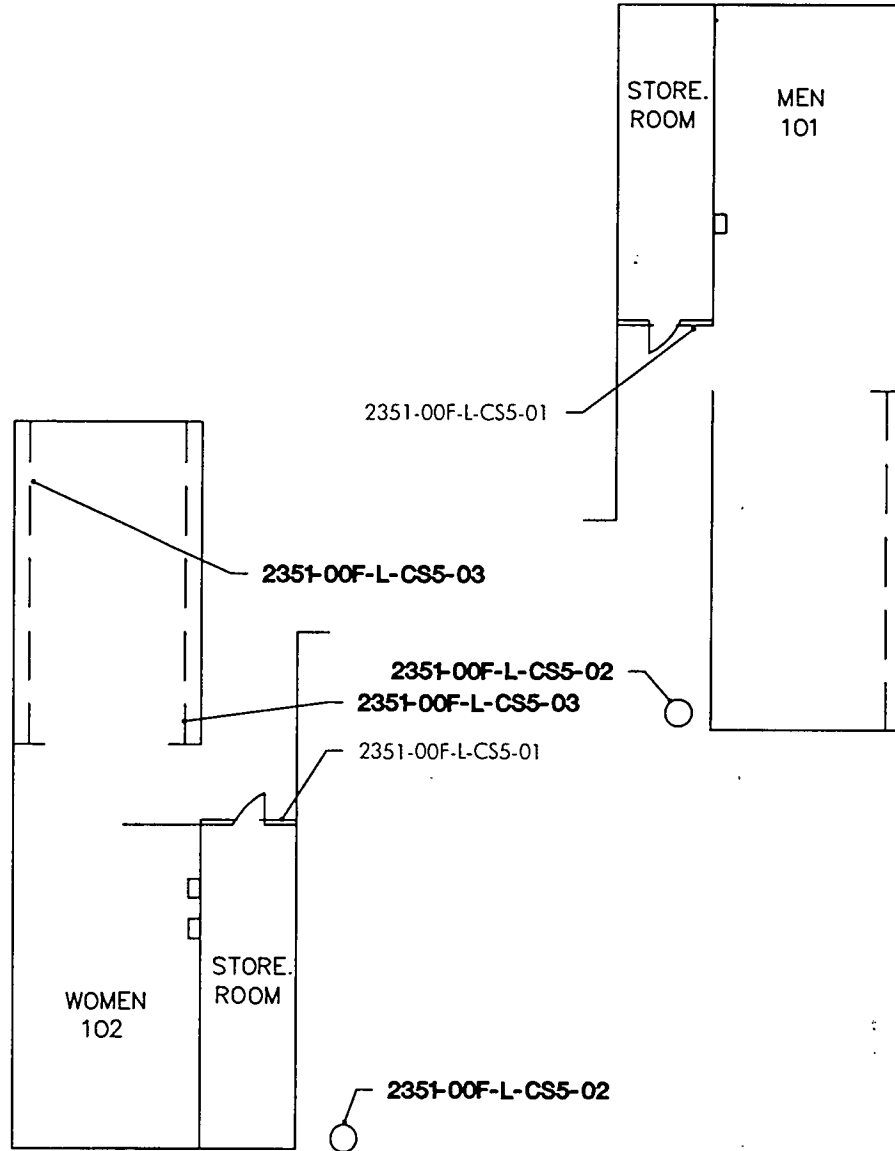


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ASBESTOS AND LEAD-CONTAINING PAINT
SURVEYS, REPORT AND ABATEMENT
SPECIFICATIONS FOR SAND ISLAND PARK
ACCESSIBILITY RENOVATIONS

COMPOSITE
PAINT CHIP
SAMPLE LOCATIONS

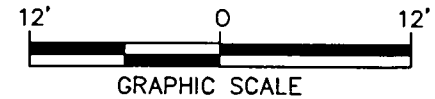
FIGURE
4



LEGEND

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION BELOW THE COMFORT STATION #5 AAS ANALYTICAL LIMIT OF DETECTION

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION ABOVE THE AAS ANALYTICAL LIMIT OF DETECTION

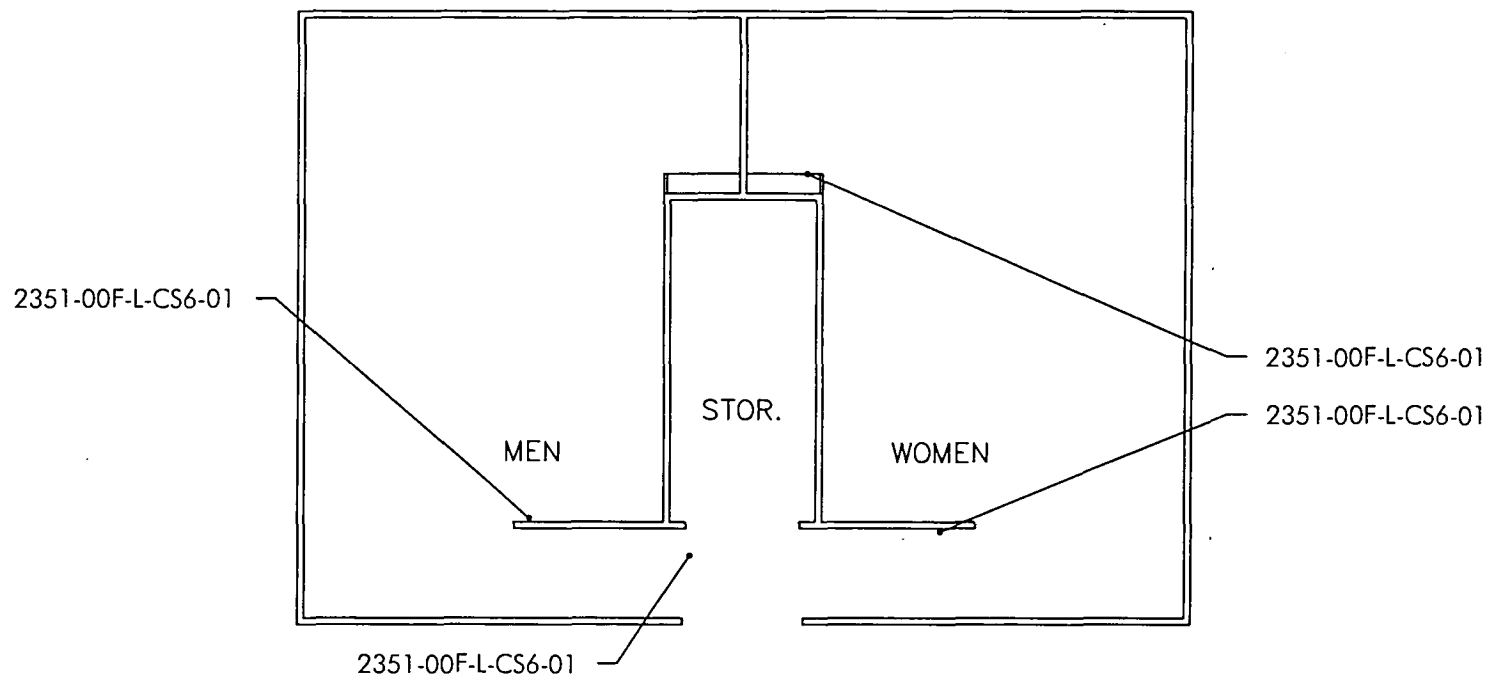


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ASBESTOS AND LEAD-CONTAINING PAINT SURVEYS, REPORT AND ABATEMENT SPECIFICATIONS FOR SAND ISLAND PARK ACCESSIBILITY RENOVATIONS

COMPOSITE PAINT CHIP SAMPLE LOCATIONS

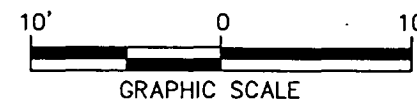
FIGURE 5



LEGEND

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION BELOW THE AAS ANALYTICAL LIMIT OF DETECTION

COMFORT STATION #6

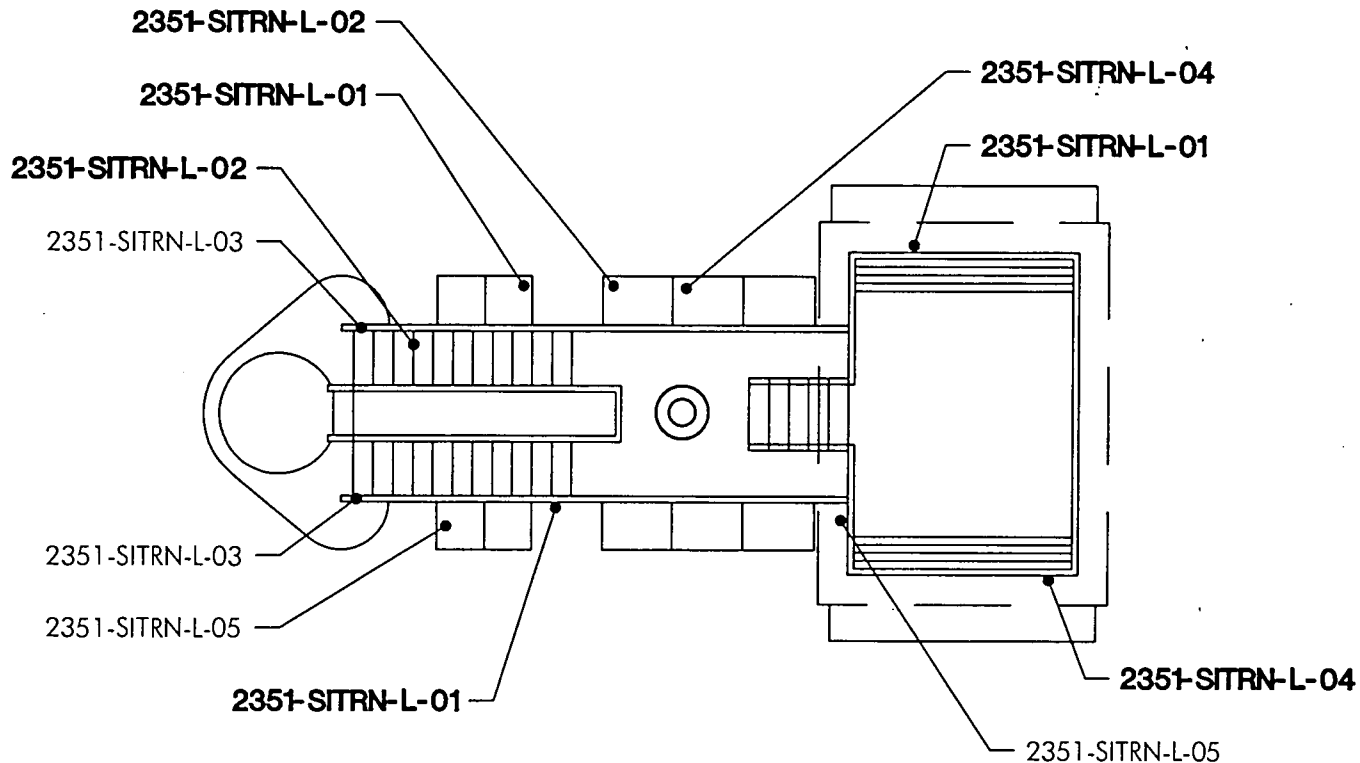


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ASBESTOS AND LEAD-CONTAINING PAINT
SURVEYS, REPORT AND ABATEMENT
SPECIFICATIONS FOR SAND ISLAND PARK
ACCESSIBILITY RENOVATIONS

COMPOSITE
PAINT CHIP
SAMPLE LOCATIONS

FIGURE
6

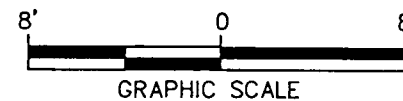


LEGEND

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION BELOW THE AAS ANALYTICAL LIMIT OF DETECTION

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION ABOVE THE AAS ANALYTICAL LIMIT OF DETECTION

TRAIN PLAYGROUND

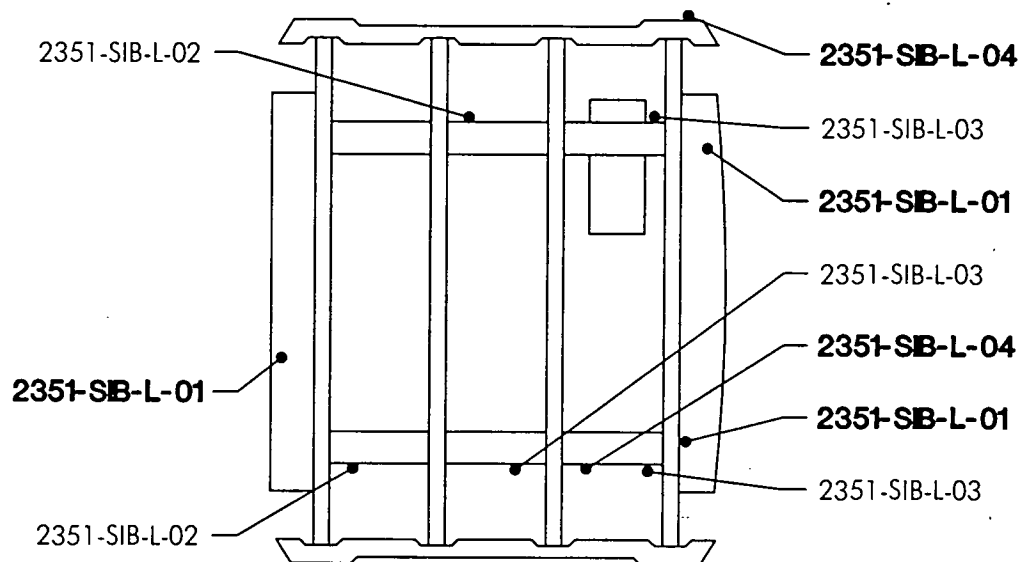
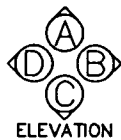



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ASBESTOS AND LEAD-CONTAINING PAINT SURVEYS, REPORT AND ABATEMENT SPECIFICATIONS FOR SAND ISLAND PARK ACCESSIBILITY RENOVATIONS

COMPOSITE PAINT CHIP SAMPLE LOCATIONS

FIGURE
7

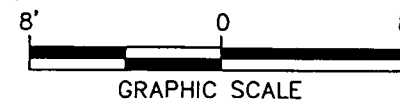


LEGEND

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION BELOW THE AAS ANALYTICAL LIMIT OF DETECTION

2351-00F-L-CSX-XX = INDICATES COMPOSITE SAMPLE WITH CONCENTRATION ABOVE THE AAS ANALYTICAL LIMIT OF DETECTION

BUNKER PLAYGROUND



 **Edward K. Noda
and Associates, Inc.**
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SURVEYS, REPORT AND ABATEMENT
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ACCESSIBILITY RENOVATIONS

COMPOSITE
PAINT CHIP
SAMPLE LOCATIONS

FIGURE
8



APPENDIX B

PAINT CHIP SAMPLE CHAIN OF CUSTODY FORMS AND ANALYTICAL RESULTS

EDWARD K. NODA AND ASSOCIATES

LEAD-CONTAINING PAINT CHAIN OF CUSTODY FORM

07-06-03

SHEET 1 OF 1

BLDG. NAME & PROJECT NAME: COMFORT STATION #1 - SAND ISLAND STATE PARK

	SAMPLE I.D. NO.	TYPE*	FLOOR #	ROOM EQUIV.	SAMPLE COMB.	MATERIAL DESCRIPTION
1	2351-00F-L-CS1-01	P	1	EXTERIOR		BROWN PAINT CHIPS
2	↓	↓	↓	↓		GREEN ↓ ↓
3						
4						
5						
6						
7						
8						

ANALYTICAL LABORATORY RESULTS

	LAB I.D. NO.	EPA METHOD	REPORT LIMIT	SAMPLE RESULT	COMMENTS
1					
2					
3					
4					
5					
6					
7					
8					

ADDITIONAL COMMENTS & NOTES: AREA = 4 SQUARE INCHES

*SAMPLE TYPE CODES

P = PAINT CHIP SAMPLE
 D = DEBRIS SAMPLE
 SD/W = SURFACE DUST - WIPE SAMPLE
 SD/V = SURFACE DUST - VACUUM SAMPLE
 S = SOIL SAMPLE
 W = WATER SAMPLE

ACCOUNTABILITY RECORD

REQUESTED COMPLETION DATE: 3-5 Day TAT
 JOB NO.: 2351-00F BATCH NO. EKNA 01522
 CLIENT NAME: DATA
 SAMPLER'S NAME: M. L. VAUGHN
 SIGNATURE: [Signature]
 DATE: 07-06-03 TIME COMPLETED: 12:30
 DELIVERED TO LAB BY: _____
 DATE: _____

LAB NAME: NVL Laboratories, Inc.
 ADDRESS: 4708 Aurora Avenue, Seattle, WA 98103
 RECEIVED BY: [Signature]
 DATE: 7/16/03 TIME: [Signature] INITIALS: [Signature]
 ANALYZED BY: [Signature]
 LAB Q.C. APPROVAL: [Signature]
 PROJECT MANAGER'S APPROVAL: _____
 DATE: _____

APPROVAL SIGNATURE (PROJECT MANAGER):

BATCH ID
2309167.00



Analysis Report

Total Lead (Pb)

Client: Edward K Noda & Assoc.
Address: 615 Piikoi Street
Honolulu, HI 96814

Batch #: 2309167.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #:2351-00F
Samples Received: 2
Total Samples Analyzed:2

Attention: Mr. Mike Vaughn

Project Location: Comfort Station #1-Sand Island State Park

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
23058849	2351-00F-L-CS1-01	0.1957	51.0	< 51.0	< 0.0051
23058850	2351-00F-L-CS1-02	0.2046	49.0	97.0	0.0097

Sampled by: Client

Analyzed by: Holly Tuttle

Reviewed by: Nick Ly

Date: 07/16/2003

Date: 07/17/2003

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

EDWARD K. NODA AND ASSOCIATES

LEAD-CONTAINING PAINT CHAIN OF CUSTODY FORM

07-06-03

SHEET 1 OF 1

BLDG. NAME & PROJECT NAME: COMFORT STATION #2 - SAND ISLAND STATE PARK

	SAMPLE I.D. NO.	TYPE*	FLOOR #	ROOM EQUIV.	SAMPLE COMB.	MATERIAL DESCRIPTION
1	2351-00F-L-052-01	P	1	EXTERIOR		BROWN PAINT CHIPS
2	↓ ↓ -02	↓	↓	↓		BLACK ↓
3	↓ ↓ -03	↓	↓	↓		GREEN ↓
4						
5						
6						
7						
8						

ANALYTICAL LABORATORY RESULTS

	LAB I.D. NO.	EPA METHOD	REPORT LIMIT	SAMPLE RESULT	COMMENTS
1					
2					
3					
4					
5					
6					
7					
8					

BATCH ID
2309168.00

ADDITIONAL COMMENTS & NOTES: AREA = 4 SQUARE INCHES

*SAMPLE TYPE CODES

- P = PAINT CHIP SAMPLE
- D = DEBRIS SAMPLE
- SD/W = SURFACE DUST - WIPE SAMPLE
- SD/V = SURFACE DUST - VACUUM SAMPLE
- S = SOIL SAMPLE
- W = WATER SAMPLE

ACCOUNTABILITY RECORD

REQUESTED COMPLETION DATE: 3-5 Day TAT
 JOB NO. 2351-00F BATCH NO. EKNA-01572
 CLIENT NAME: SATO
 SAMPLER'S NAME: M. M. VAUGHN
 SIGNATURE: [Signature]
 DATE: 7-06-03 TIME COMPLETED: 10:30
 DELIVERED TO LAB BY: _____
 DATE: _____

LAB NAME: NVL Laboratories, Inc.
 ADDRESS: 4708 Aurora Avenue, Seattle, WA 98103
 RECEIVED BY: [Signature]
 DATE: 7-10-03 TIME: _____ INITIALS: [Signature]
 ANALYZED BY: [Signature] 7/12/03
 LAB Q.C. APPROVAL: [Signature]
 PROJECT MANAGER'S APPROVAL: _____
 DATE: _____

APPROVAL SIGNATURE (PROJECT MANAGER):

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com



AIHA - IH
#101861

Analysis Report

Total Lead (Pb)

Client: Edward K Noda & Assoc.
Address: 615 Piikoi Street
Honolulu, HI 96814

Attention: Mr. Mike Vaughn

Project Location: Comfort Station #2 - Sand Island State Park

Batch #: 2309168.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #:2351-00F

Samples Received: 3

Total Samples Analyzed:3

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
23058851	2351-00F-L-CS2-01	0.2047	49.0	< 49.0	< 0.0049
23058852	2351-00F-L-CS2-02	0.1650	61.0	< 61.0	< 0.0061
23058853	2351-00F-L-CS2-03	0.2084	48.0	76.0	0.0076

Sampled by: Client

Analyzed by: Holly Tuttle

Reviewed by: Nick Ly

Date: 07/17/2003

Date: 07/17/2003


Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Bench Run No:23-0717-2

Page 1 of 1

EDWARD K. NODA AND ASSOCIATES

LEAD-CONTAINING PAINT CHAIN OF CUSTODY FORM 07-06-03 SHEET 1 OF 1

BLDG. NAME & PROJECT NAME: COMFORT STATION #3 - SAND ISLAND STATE PARK

	SAMPLE I.D. NO.	TYPE*	FLOOR #	ROOM EQUIV.	SAMPLE COMB.	MATERIAL DESCRIPTION
1	2351-00F-L-CS3-01	P	1			BROWN PAINT CHIPS
2	-02	↓	↓			Black ↓
3	-03	↓	↓			GREEN ↓
4						
5						
6						
7						
8						

ANALYTICAL LABORATORY RESULTS

	LAB I.D. NO.	EPA METHOD	REPORT LIMIT	SAMPLE RESULT	COMMENTS
1					
2					
3					
4					
5					
6					
7					
8					

BATCH ID
2309172.00

ADDITIONAL COMMENTS & NOTES: AREA = 4 SQUARE INCHES

<p>SAMPLE TYPE CODES</p> <p>P = PAINT CHIP SAMPLE D = DEBRIS SAMPLE SD/W = SURFACE DUST - WIPE SAMPLE SD/V = SURFACE DUST - VACUUM SAMPLE S = SOIL SAMPLE W = WATER SAMPLE</p>	<p>ACCOUNTABILITY RECORD</p> <p>REQUESTED COMPLETION DATE: <u>3-5 Days TAT</u> JOB NO.: <u>2351-00F</u> BATCH NO. <u>EKNA 01522</u> CLIENT NAME: <u>SATO</u> SAMPLER'S NAME: <u>M. M. VAYGUN</u> SIGNATURE: <u>[Signature]</u> DATE: <u>07-06-03</u> TIME COMPLETED: <u>10:35</u> DELIVERED TO LAB BY: _____ DATE: _____</p>	<p>LAB NAME: <u>NVL Laboratories, Inc.</u> ADDRESS: <u>4708 Aurora Avenue, Seattle, WA 98148</u> RECEIVED BY: <u>[Signature]</u> DATE: <u>7/6/03</u> TIME: <u>2:00 PM</u> INITIALS: <u>[Initials]</u> ANALYZED BY: <u>[Signature]</u> LAB Q.C. APPROVAL: <u>[Signature]</u> PROJECT MANAGER'S APPROVAL: _____ DATE: _____</p>
--	--	--

APPROVAL SIGNATURE (PROJECT MANAGER):

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH
#101861



Total Lead (Pb)

Client: Edward K Noda & Assoc.
Address: 615 Piikoi Street
Honolulu, HI 96814

Batch #: 2309172.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 2351-00F

Samples Received: 3

Total Samples Analyzed: 3

Attention: Mr. Mike Vaughn

Project Location: Comfort Station #3- Sand Island State Park

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
23058862	2351-00F-L-CS3-01	0.2041	49.0	< 49.0	< 0.0049
23058863	2351-00F-L-CS3-02	0.1602	62.0	< 62.0	< 0.0062
23058864	2351-00F-L-CS3-03	0.2017	50.0	< 50.0	< 0.0050

Sampled by: Client

Analyzed by: Holly Tuttle

Date: 07/17/2003

Reviewed by: Nick Ly

Date: 07/17/2003


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Bench Run No: 23-0717-2

EDWARD K. NODA AND ASSOCIATES

LEAD-CONTAINING PAINT CHAIN OF CUSTODY FORM

07-06-03

SHEET 1 OF 1

BLDG. NAME & PROJECT NAME: COMFORT STATION #4 - SAND ISLAND STATE PARK

	SAMPLE I.D. NO.	TYPE*	FLOOR #	ROOM EQUIV.	SAMPLE COMB.	MATERIAL DESCRIPTION
1	2351-00P-L-C54-01	P	1	EXTENSION		BROWN PAINT CHIPS
2	↓ -02	↓	↓			GREEN
3	↓ -03	↓	↓			BROWN ↓
4						
5						
6						
7						
8						

BATCH ID
2309173.00

ANALYTICAL LABORATORY RESULTS

	LAB I.D. NO.	EPA METHOD	REPORT LIMIT	SAMPLE RESULT	COMMENTS
1					
2					
3					
4					
5					
6					
7					
8					

ADDITIONAL COMMENTS & NOTES: AREA = 4 SQUARE INCHES

*SAMPLE TYPE CODES

P = PAINT CHIP SAMPLE
 D = DEBRIS SAMPLE
 SD/W = SURFACE DUST - WIPE SAMPLE
 SD/V = SURFACE DUST - VACUUM SAMPLE
 S = SOIL SAMPLE
 W = WATER SAMPLE

ACCOUNTABILITY RECORD

REQUESTED COMPLETION DATE: 3-5 Day Turn
 JOB NO.: 2351-00P BATCH NO. EKNA01522
 CLIENT NAME: JATO
 SAMPLER'S NAME: M. W. VAUGHN
 SIGNATURE: [Signature]
 DATE: 07-06-03 TIME COMPLETED: 10146
 DELIVERED TO LAB BY: _____
 DATE: _____

LAB NAME: NVL Laboratories, Inc.
 ADDRESS: 4708 Aurora Avenue, Seattle, WA 98103
 RECEIVED BY: [Signature]
 DATE: 7-10-03 TIME: 5:00 INITIALS: [Initials]
 ANALYZED BY: [Signature] 7/17/03
 LAB Q.C. APPROVAL: [Signature]
 PROJECT MANAGER'S APPROVAL: _____
 DATE: _____

APPROVAL SIGNATURE (PROJECT MANAGER):

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com



Analysis Report

AIHA - IH
#101861

Total Lead (Pb)

Client: Edward K Noda & Assoc.
Address: 615 Piikoi Street
Honolulu, HI 96814

Attention: Mr. Mike Vaughn

Project Location: Comfort Station #4- Sand Island State Park

Batch #: 2309173.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #:2351-00F

Samples Received: 3

Total Samples Analyzed:3

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
23058865	2351-00F-L-CS4-01	0.2063	48.0	780.0	0.0780
23058866	2351-00F-L-CS4-02	0.2027	49.0	220.0	0.0220
23058867	2351-00F-L-CS4-03	0.1847	54.0	< 54.0	< 0.0054

Sampled by: Client

Analyzed by: Holly Tuttle

Reviewed by: Nick Ly.

Date: 07/17/2003

Date: 07/17/2003


Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Bench Run No:23-0717-2

Page 1 of 1

EDWARD K. NODA AND ASSOCIATES

LEAD-CONTAINING PAINT CHAIN OF CUSTODY FORM

07-06-03

SHEET 1 OF 1

BLDG. NAME & PROJECT NAME: COMFORT STATION #5 - SAND ISLAND STATE PARK

	SAMPLE I.D. NO.	TYPE*	FLOOR #	ROOM EQUIV.	SAMPLE COMB.	MATERIAL DESCRIPTION
1	2351-00F-L-C55-01	P	1	EXTERIOR		BLACK PAINT CHIPS
2	↓	-02	↓			GREEN ↓
3	↓	-03	↓			YELLOW ↓
4						
5						
6						
7						
8						

ANALYTICAL LABORATORY RESULTS

	LAB I.D. NO.	EPA METHOD	REPORT LIMIT	SAMPLE RESULT	COMMENTS
1					
2					
3					
4					
5					
6					
7					
8					

BATCH ID
2309169.00

ADDITIONAL COMMENTS & NOTES: AREA = 4 SQUARE INCHES

***SAMPLE TYPE CODES**
 P = PAINT CHIP SAMPLE
 D = DEBRIS SAMPLE
 SD/W = SURFACE DUST - WIPE SAMPLE
 SD/V = SURFACE DUST - VACUUM SAMPLE
 S = SOIL SAMPLE
 W = WATER SAMPLE

ACCOUNTABILITY RECORD
 REQUESTED COMPLETION DATE: 3-5 Day Tot
 JOB NO. 2351-00F BATCH NO. EKNA 01522
 CLIENT NAME: SATO
 SAMPLER'S NAME: M. M. Uygur
 SIGNATURE: *M. M. Uygur*
 DATE: 07-06-03 TIME COMPLETED: 10:45
 DELIVERED TO LAB BY:
 DATE:

LAB NAME: NVL Laboratories, Inc.
 ADDRESS: 4708 Aurora Avenue, Seattle, WA 98103
 RECEIVED BY: *[Signature]*
 DATE: 7/06/03 TIME: INITIALS: *[Initials]*
 ANALYZED BY: *[Signature]* 7/10/03
 LAB Q.C. APPROVAL: *[Signature]*
 PROJECT MANAGER'S APPROVAL:
 DATE:

APPROVAL SIGNATURE (PROJECT MANAGER):

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com



AIHA - IH
#101861

Analysis Report

Total Lead (Pb)

Client: Edward K Noda & Assoc.
Address: 615 Piikoi Street
Honolulu, HI 96814

Attention: Mr. Mike Vaughn
Project Location: Comfort Station #5

Batch #: 2309169.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 2351-00F
Samples Received: 3
Total Samples Analyzed: 3

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
23058854	2351-00F-L-CS5-01	0.1287	78.0	< 78.0	< 0.0078
23058855	2351-00F-L-CS5-02	0.2022	49.0	64.0	0.0064
23058856	2351-00F-L-CS5-03	0.1571	64.0	160.0	0.0160

Sampled by: Client
Analyzed by: Holly Tuttle
Reviewed by: Nick Ly

Date: 07/16/2003
Date: 07/17/2003


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

EDWARD K. NODA AND ASSOCIATES

LEAD-CONTAINING PAINT CHAIN OF CUSTODY FORM

07-06-03

SHEET 1 OF 1

BLDG. NAME & PROJECT NAME: COMFORT STATION #6 - SAMS ISLAND STATE PARK

	SAMPLE I.D. NO.	TYPE*	FLOOR #	ROOM EQUIV.	SAMPLE COMB.	MATERIAL DESCRIPTION
1	2351-00F-L-056-01	P	1	EXTENSION		GREEN PAINT CHIPS
2						
3						
4						
5						
6						
7						
8						

ANALYTICAL LABORATORY RESULTS

	LAB I.D. NO.	EPA METHOD	REPORT LIMIT	SAMPLE RESULT	COMMENTS
1					
2					
3					
4					
5					
6					
7					
8					

BATCH ID
2309170.00

ADDITIONAL COMMENTS & NOTES: AREA = 4 SQUARE INCHES

*SAMPLE TYPE CODES

- P = PAINT CHIP SAMPLE
- D = DEBRIS SAMPLE
- SD/W = SURFACE DUST - WIPE SAMPLE
- SD/V = SURFACE DUST - VACUUM SAMPLE
- S = SOIL SAMPLE
- W = WATER SAMPLE

ACCOUNTABILITY RECORD

REQUESTED COMPLETION DATE: 3-5 Day TAT
 JOB NO.: 2351-00F BATCH NO. EKNA 01522
 CLIENT NAME: SATO
 SAMPLER'S NAME: M. L. Vasey
 SIGNATURE: [Signature]
 DATE: 07-06-03 TIME COMPLETED: 10:50
 DELIVERED TO LAB BY: _____
 DATE: _____

LAB NAME: NVL Laboratories, Inc.
 ADDRESS: 4708 Aurora Avenue, Seattle, WA 98103
 RECEIVED BY: [Signature]
 DATE: 7-10-03 TIME: 9:00 INITIALS: [Initials]
 ANALYZED BY: [Signature]
 LAB Q.C. APPROVAL: [Signature]
 PROJECT MANAGER'S APPROVAL: _____
 DATE: _____

APPROVAL SIGNATURE (PROJECT MANAGER):

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com



AIHA - IH
#101861

Analysis Report

Total Lead (Pb)

Client: Edward K Noda & Assoc.
Address: 615 Piikoi Street
Honolulu, HI 96814
Attention: Mr. Mike Vaughn
Project Location: Comfort Station # 6

Batch #: 2309170.00
Matrix: Paint Chips
Method: EPA 7000B
Client Project #: 2351-00F
Samples Received: 1
Total Samples Analyzed: 1

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
23058857	2351-00F-L-CS6-01	0.2091	48.0	< 48.0	< 0.0048


Sampled by: Client

Analyzed by: Holly Tuttle

Reviewed by: Nick Ly

Date: 07/17/2003

Date: 07/17/2003


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Bench Run No: 23-0717-2

Page 1 of 1

EDWARD K. NODA AND ASSOCIATES

LEAD-CONTAINING PAINT CHAIN OF CUSTODY FORM

7-22-03

SHEET 1 OF 1

BLDG. NAME & PROJECT NAME: TRAIN - SAND ISLAND STATE PARK

	SAMPLE I.D. NO.	TYPE*	FLOOR #	ROOM EQUIV.	SAMPLE COMB.	MATERIAL DESCRIPTION
1	2351-SITRN-L-01	P	1			Red Paint Chips
2	↓ -02	↓	↓			yellow ↓
3	↓ -03	↓	↓			brown ↓
4	↓ -04	↓	↓			GREEN ↓
5	↓ -05	↓	↓			blue ↓
6						
7						
8						

ANALYTICAL LABORATORY RESULTS

	LAB I.D. NO.	EPA METHOD	REPORT LIMIT	SAMPLE RESULT	COMMENTS
1					
2					
3					
4					
5					
6					
7					
8					

BATCH ID
2309714.00

ADDITIONAL COMMENTS & NOTES: By Weight

*SAMPLE TYPE CODES	ACCOUNTABILITY RECORD	
P = PAINT CHIP SAMPLE D = DEBRIS SAMPLE SD/W = SURFACE DUST - WIPE SAMPLE SD/V = SURFACE DUST - VACUUM SAMPLE S = SOIL SAMPLE W = WATER SAMPLE	REQUESTED COMPLETION DATE: 3-5 Day TAT JOB NO.: 2351.006 BATCH NO. EKNA 01528 CLIENT NAME: SAND SAMPLER'S NAME: M. M. Vaughan SIGNATURE: <i>M. M. Vaughan</i> DATE: 7-22-03 TIME COMPLETED: 2:35 DELIVERED TO LAB BY: DATE:	LAB NAME: NVL Laboratories, Inc. ADDRESS: 4708 Aurora Avenue, Seattle, WA 98103 RECEIVED BY: <i>Maureen Winter</i> DATE: 7/23/03 TIME: 2:45 PM INITIALS: MW ANALYZED BY: <i>Maureen Winter</i> LAB Q.C. APPROVAL: <i>NV</i> PROJECT MANAGER'S APPROVAL: DATE: 7/23/03

MW

APPROVAL SIGNATURE (PROJECT MANAGER):

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH
#101861



Total Lead (Pb)

Client: Edward K. Noda & Assoc.
Address: 615 Piikoi Street, Suite 300
Honolulu, HI 96814

Attention: Mr. William Harris

Project Location: Train - Sand Island State Park

Batch #: 2309714.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #: 2351-00F

Samples Received: 5

Total Samples Analyzed: 5

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
23061417	2351-SITRN-L-01	0.2032	49.0	4800.0	0.4800
23061418	2351-SITRN-L-02	0.2092	48.0	330.0	0.0330
23061419	2351-SITRN-L-03	0.0303	330.0	< 330.0	< 0.0330
23061420	2351-SITRN-L-04	0.2002	50.0	7700.0	0.7700
23061421	2351-SITRN-L-05	0.2003	50.0	< 50.0	< 0.0050

Comments: Sample L-03 was below recommended sample weight of 0.2 gram.


Sampled by: Client

Analyzed by: Holly Tuttle

Reviewed by: Nick Ly

Date: 07/29/2003

Date: 07/30/2003


Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Bench Run No: 23-0729-3

EDWARD K. NODA AND ASSOCIATES

LEAD-CONTAINING PAINT CHAIN OF CUSTODY FORM

7.22.03

SHEET 1 OF 1

BLDG. NAME & PROJECT NAME: BUNUSA #1 SAND ISLANDS STATE PARK

	SAMPLE I.D. NO.	TYPE*	FLOOR #	ROOM EQUIV.	SAMPLE COMB.	MATERIAL DESCRIPTION
1	2351-SIB-L-01	P	1			GREEN PAINT CHIPS
2	↓ -02	↓	↓			↓
3	↓ -03	↓	↓			↓
4	↓ -04	↓	↓			↓
5						
6						
7						
8						

ANALYTICAL LABORATORY RESULTS

	LAB I.D. NO.	EPA METHOD	REPORT LIMIT	SAMPLE RESULT	COMMENTS
1					
2					
3					
4					
5					
6					
7					
8					

BATCH ID
2309717.00

ADDITIONAL COMMENTS & NOTES: By weight

<p>*SAMPLE TYPE CODES</p> <p>P = PAINT CHIP SAMPLE D = DEBRIS SAMPLE SD/W = SURFACE DUST - WIPE SAMPLE SD/V = SURFACE DUST - VACUUM SAMPLE S = SOIL SAMPLE W = WATER SAMPLE</p>	<p>ACCOUNTABILITY RECORD</p> <p>REQUESTED COMPLETION DATE: <u>3-5 Day TAT</u> JOB NO.: <u>2351-00F</u> BATCH NO. <u>EKNA01528</u> CLIENT NAME: <u>Saro</u> SAMPLER'S NAME: <u>M. Van Gun</u> SIGNATURE: <u>[Signature]</u> DATE: <u>7-22-03</u> TIME COMPLETED: <u>4:46</u> DELIVERED TO LAB BY: _____ DATE: _____</p>	<p>LAB NAME: <u>NVL Laboratories, Inc.</u> ADDRESS: <u>4708 Aurora Avenue, Seattle, WA 98103</u> RECEIVED BY: <u>[Signature]</u> DATE: <u>7/23/03</u> TIME: <u>1:45pm</u> INITIALS: <u>NV</u> ANALYZED BY: <u>[Signature]</u> <u>7/29/03</u> LAB Q.C. APPROVAL: <u>NL</u> PROJECT MANAGER'S APPROVAL: _____ DATE: <u>7/31/03</u></p>
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APPROVAL SIGNATURE (PROJECT MANAGER): _____

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com

Analysis Report

AIHA - IH
#101861



Total Lead (Pb)

Client: Edward K. Noda & Assoc.
Address: 615 Piikoi Street, Suite 300
Honolulu, HI 96814

Attention: Mr. William Harris

Project Location: Bunuer #2 Sand Island State Park

Batch #: 2309717.00

Matrix: Paint Chips

Method: EPA 7000B

Client Project #:2351-00F

Samples Received: 4

Total Samples Analyzed:4

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
23061429	2351-SIB-L-01	0.2022	49.0	15000.0	1.5000
23061430	2351-SIB-L-02	0.2043	49.0	< 49.0	< 0.0049
23061431	2351-SIB-L-03	0.2009	50.0	< 50.0	< 0.0050
23061432	2351-SIB-L-04	0.2034	49.0	120.0	0.0120

Sampled by: Client

Analyzed by: Holly Tuttle

Reviewed by: Nick Ly

Date: 07/29/2003

Date: 07/30/2003


Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Bench Run No: 23-0728-5

Page 1 of 1

APPENDIX C
INSPECTOR CERTIFICATE



United States Environmental Protection Agency

This is to certify that:

Michael M Vaughn

has fulfilled the requirements of the Toxic Substance Control Act (TSCA) Section 402(a)(1), and has received certification as an individual, pursuant to 40 CFR Part 745.226 to conduct lead-based paint activities for the following:

Discipline: Risk Assessor

Jurisdiction: State of Hawaii excluding Indian Tribes

This certification is valid from the date of issuance
and expires April 3, 2006

Certification # HI-09-042006-317

Issued on: April 4, 2003

Paula Besser
for _____
Enrique Manzanilla, Division Director, CMD
Cross Media Division