



WBE W2F5522217

From the Desk of Mike McKay

34004 9th Avenue South A5
Federal Way, Washington 98003
Telephone (253) 952-6717 Facsimile (253) 927-4714

OCTOBER 29, 2015

Ric Catron
Kitsap County Parks and Recreation
614 Division Street, MS 1
Port Orchard, WA 98366

Hazardous Material Survey Report Addendum

ORION Project O15-0211
CC: Angela Todd, OES

RE: Hazardous Material Survey Report - Addendum
Kola Kole School
11128 NE Maine Street
Kingston, WA 98346

Dear Mr. Catron:

The information provided herein documents a lead risk assessment conducted by ORION Environmental Services, (OES) at the Kola Kole School located at 11128 NE Maine Street in Kingston, Washington. This report is to supplement a report dated May 18, 2015 regarding asbestos, lead paint, and contaminated soils conducted at this site. The lead contaminated soils risk assessment was limited to an evaluation of soils surrounding the Kola Kole School. This portion of the assessment was conducted on October 8, 2015 by a Certified Lead Inspector & Risk Assessor Inspector familiar with the identification of lead hazards.

OES trusts that the enclosed provides Kitsap County Parks and Recreation with the information required at this time. If you have any questions about the information, presented with this report, please contact the undersigned.

Professionally Yours,

ORION Environmental Services,


Mike McKay
Certified Lead Risk Assessor
#6512

Hazardous Material Report - Addendum Findings and Recommendations

Laboratory Results

Four additional composite samples were collected on October 2, 2015 from the soils surrounding the Kola Kola School. These samples were collected to determine the extent of contamination, and to provide recommendations for remediation. The additional samples were sent to Batta Laboratories, NLLAP Certification #100448, for lead analysis. The sample locations and laboratory results are summarized in the table below and are included in Appendix B.

Sample Number	Sample Location	Laboratory Result (mg/Kg)
100815-01	Play Area 2	<42
100815-02	Play Area 3	1,100
100815-03	West Side of Building From Staircase Extending North	230
100815-04	North and East Sides of Building	580

Laboratory Results Table

Laboratory analytical data reported that the concentration of the composite soil samples from two samples, Play Area 3 and the North and East Sides of the Building, had lead concentrations that exceed the Washington state criteria of 250 mg/Kg for lead in soil of children occupied facilities. The remaining samples fell below this criteria.

Recommendations

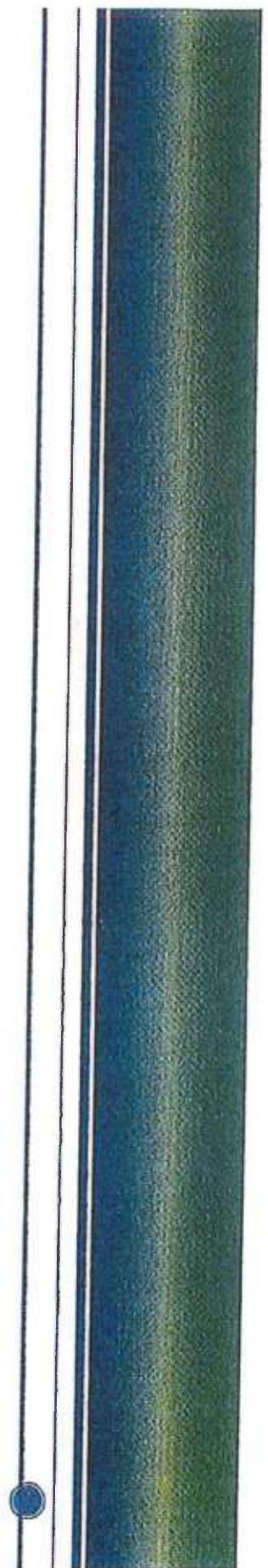
Based on the lead concentrations of the soils collected on May 7, 2015 and October 8, 2015, it is determined that the soils in Play Area 3, Play Area 1, and the west side of the building starting at the staircase and extending south must be remediated. It is recommended that the top 6 inches of soil in these areas are removed, for a total estimated quantity of 622 cubic feet, and replaced with a clean material. The quantity of soil to be removed can be reduced if these areas are fenced off, paved or are otherwise made inaccessible to children. See Appendix A for a drawing of the remediation area. See Appendix C for photographs.

The entire east and north sides of the building (areas where children are not expected to be playing) do not have to be remediated so long as children do not play in these areas. However, if any excavations or soil disturbing activities are conducted in these soils in the future, we recommend removing the top 6 inches of soil prior to commencing work. The estimated quantity of soil to be removed would depend on the proposed scope of work.

Finally, before addressing the soils, the condition of the paint on the building must be in good repair. Any paint in poor condition may flake off and re-contaminate these areas.

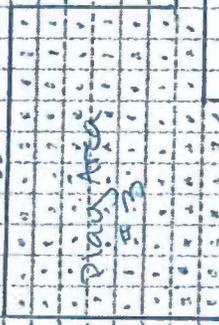
APPENDIX A

Remediation Drawing



••••• Salls TP
••••• Richmond

Play Area #2



Play Area #1



Kola Kola School House

ORION Environmental Services

3400 8th Avenue South, Building A Suite 2 Federal Way, Washington 98003
Seattle (206) 874-4118 Tacoma (253) 852-8117 Fremont (206) 857-4724

Technician

Sample Location

Remediation
Drawings

Client

Job No. 05-0436
Date:

Project Name

Kola Kola School

Site Address

11128 NE Howe Ave

City, State

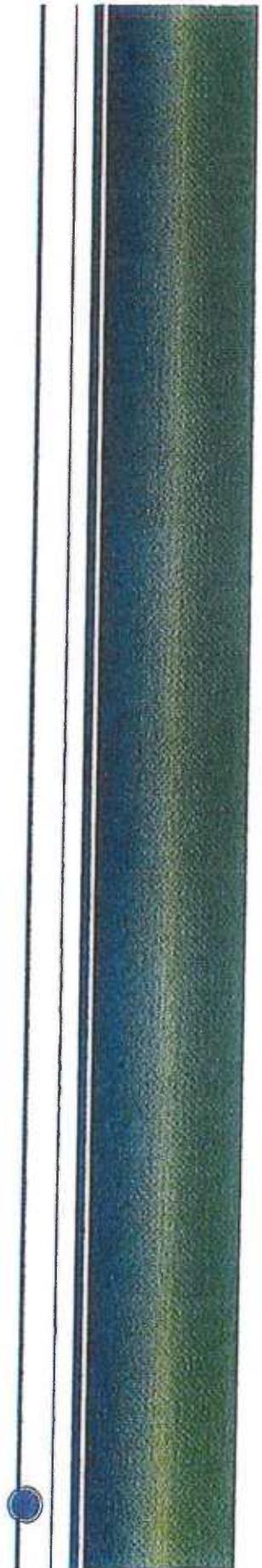
Kingston, WA

North



APPENDIX B

Laboratory Results and Sample Location Drawing



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NVLAP LAB# 101032
PLM & TEM



Delaware Industrial Park, 6 Garfield Way
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Tel. (302)737-3376 Fax (302) 737-5764
Newark, DE - Georgetown, DE - Philadelphia, PA
Web: <http://www.battaenv.com> E-mail: battaenv@battaenv.com

EPA LAB ID#: DE004



LAB# 100448
PCM & LEAD
NY ELAP# 11993
PCM, PLM, TEM & LEAD

REPORT OF ANALYSIS

Test Method: SOP SW846/3050B/7420M

Page 1 of 1

Report Revision#: Original
 Project Number: R100815
 Project Name: ORION ENV SVCS-WI-015-0436 KOLA KOLA - 10-21-15S1-TOAA800
 Project Location: 11128 NE MAIN ST KINGSTON WA
 Date Received: 10/9/2015
 Date Analyzed: 10/21/2015
 Analyte Requested: SOIL-Pb (LEAD)

Date Sampled: 10/8/2015
 Sampled By: CLIENT
 Date Report Issued: 10/21/2015

Lab Sample #	Field Sample #	Sample Description	Result in mg/kg	Result in % by Weight	Reporting Limit mg/kg	% Weight
947713	100815-01	PLAYGROUND AREA 2	< 42	< 0.0042		
947714	100815-02	PLAYGROUND AREA 3	1,100	0.11	42	0.0042
947715	100815-03	NORTHWEST SIDE	230	0.023		
947716	100815-04	NORTH/EAST SIDE	580	0.058		

Note: 1. EPA guidelines require identification of paint samples as "lead based paint" when concentrations are found to be greater than 0.5% by weight (5000 mg/kg); 2. Quality control results in this report are acceptable; 3. Results relate only to the items tested; Batta Laboratories, Inc. is not responsible for sample collection, nor interpretations made by others; 4. This report does not constitute endorsement by AIHA LAP, LLC., NVLAP and/or any other U.S. governmental agencies; and 5. Lab results/calculations are reported in 2 significant figures. Clients data/measurements are reported as they were submitted.

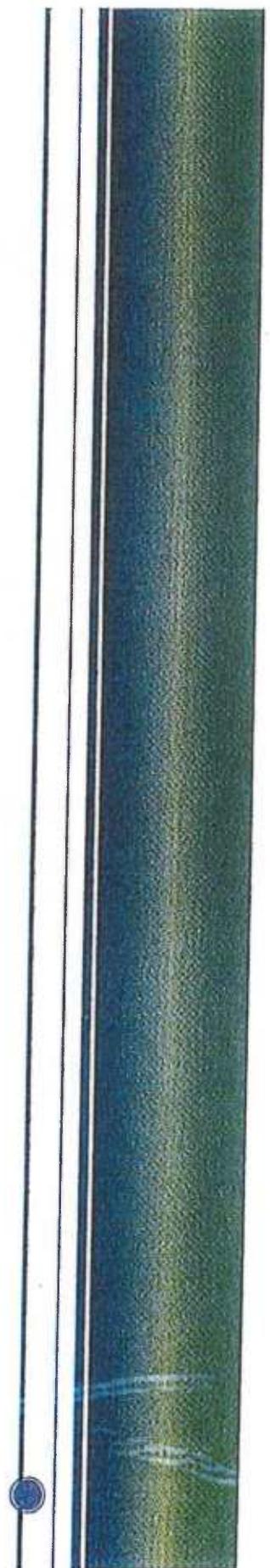
Batta Lab strives on customer feedback to improve the quality of our services. Please e-mail your feedback to feedback@battaenv.com.

Analyst: T Okavage

QA/QC By: N.C. Batta/B. Li (QA/QC Officer)

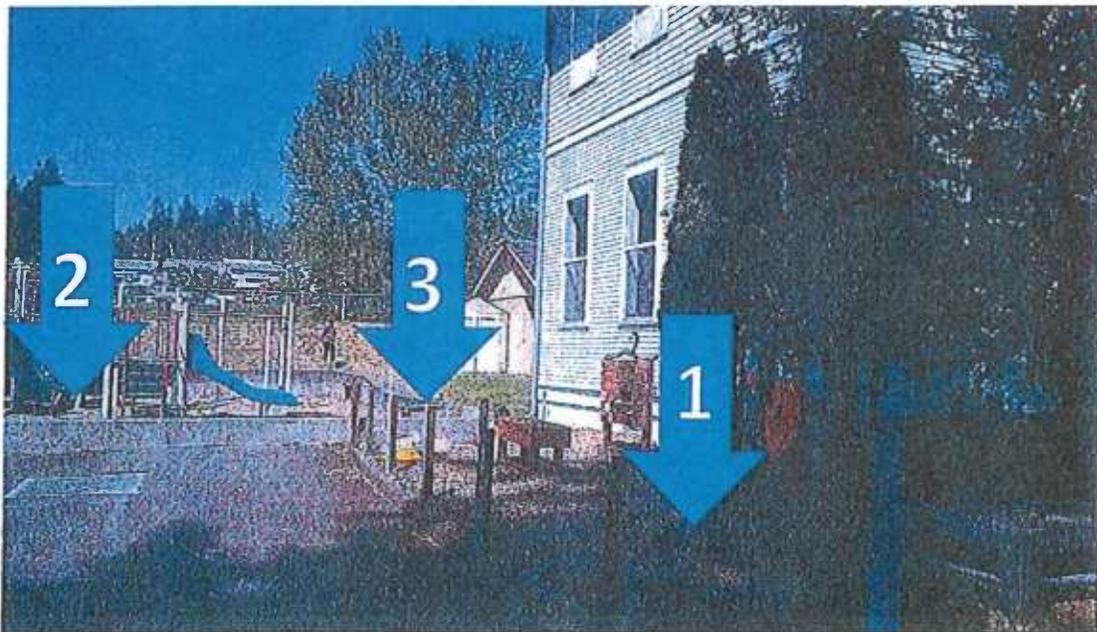
APPENDIX C

Photographs

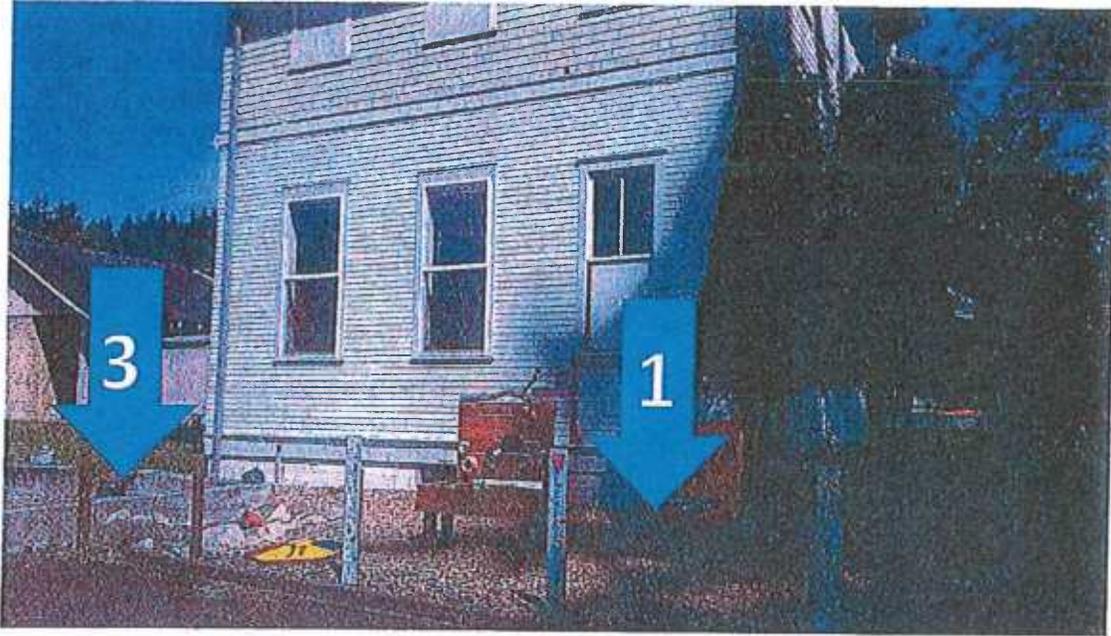




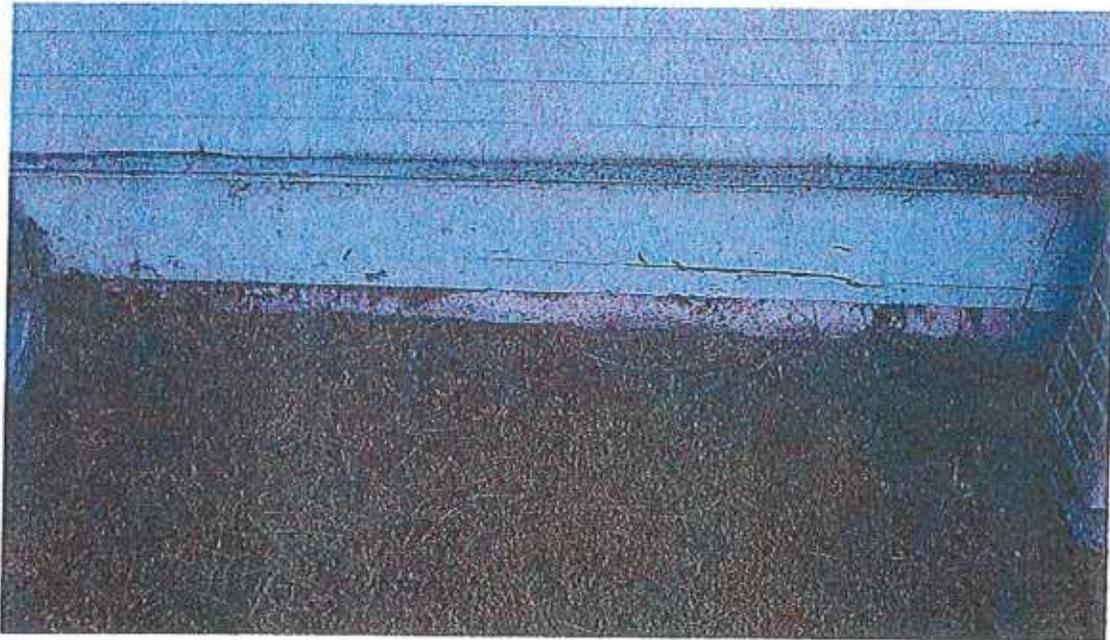
Kola Kole Front Entrance (East Side) View



Play Area 1 on the Far Right, Play Area 2 to the Far Left. Play Area 3 just on the other side of the foundation wall (see Appendix A for dimensions)



Play Area 1 and 3



Composite Sample 2 on West Side of Building at Drip Line: bare soil only at base of building



West side of building looking to the south. Play Areas 2 and 3 in the rear, Composite 2 to the far Left, Composite 3 in grassy area to the right.



Bare Soil of Play Area 3



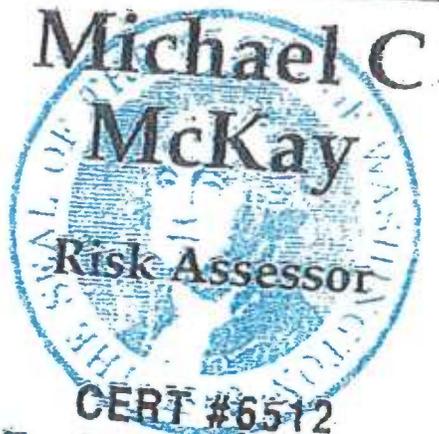
East (Front) Side and North Side of Building with Landscaping

APPENDIX D

Credentials



Lead-Based Paint Program



Expires 1/30/2016

Department of Commerce