STEVE HERRON & ASSOCIATES, INC.

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Aurora, Colorado 80015
(303) 690-0342

March 11, 1999

Mr. Al Pearson
Pike & San Isabel National Forests
1920 Valley Dr.
Pueblo, CO 81108

Re: Lead Paint Screening -
Phase III

Dear Mr. Pearson;

As contracted, on March 2nd through March 4th, 1999 we performed a thorough screening survey for lead paint at twenty-four structures located at Pike and San Isabel National Forest owned or leased properties throughout Southwestern Colorado. In accordance with EPA Title X suggestions we sampled the paint on all unique representative building surfaces utilizing current non-destructive X-ray fluorescence (XRF) technology.

For all the sampling we utilized a NITON XD XRF lead paint analyzer in accordance with the manufactures' instructions and current industry practice. Seventeen of the twenty-four structures sampled had at least one painted surface that contained lead in a concentration of over 1.0 micrograms per square centimeter (ug/cm^2), the EPA's designated level over which lead paint is defined. Each representative building surface was tested in at least three locations throughout all rooms at each building with the XRF and each lead concentration and precision recorded on the attached NITON Lead Paint Analyses forms; one form for each building. Naturally, in accordance with EPA's recommendations, we successfully calibrated our instrument against a NIST standard before and after surveying every building. Also, the NITON instrument performs a self-calibration every time it is turned on and periodically throughout the sampling period depending upon the temperature of the dual detectors.

RESULTS:
The following table summarizes where positive lead paint results, (that is, greater than the EPA's 1.0 mg/cm^2 criteria) according to the XRF, were discovered. There were no readings that required a confirmatory sample be collected.

Building Description	Building Component	Lead Conc. Mg/cm²	Depth Index	Avg. Paint Condition
#6210 - Buena Vista Office	Entry Office Baseboard	1.2	5.2	Good
#6210 - Buena Vista Office	Bldg. Hall – Stair Stringer	2.0	1.2	Good
#6210 - Buena Vista Office	Original Blue Door to Basement	2.4	5.8	Good
#6210 - Buena Vista Office	Basement Door Casing	2.4	5.3	Good
#6210 - Buena Vista Office	Basement S. Door Frame	2.2	8.4	Good
#9215 - Bassam GS Cabin	Ext. Window Sill	>5.0	3.7	Good
#9215 - Bassam GS Cabin	Ext. Window Lower Sash	>5.0	2.9	Good
#9215 - Bassam GS Cabin	Ext. Window Shutter	>5.0	3.6	Good
#9215 - Bassam GS Cabin	Front Door Ext.	>5.0	2.8	Good
#9215 - Bassam GS Cabin	Front Door Ext. Casing	>5.0	2.3	Good
#9215 - Bassam GS Cabin	Front Door Int.	>5.0	2.6	Good
#9215 - Bassam GS Cabin	Front Door Int. Casing	>5.0	2.8	Good
#9215 - Bassam GS Cabin	Bldg. Trim & Eaves	>5.0	2.7	Good
#9215 - Bassam GS Cabin	Main Room Window Sill	>5.0	2.9	Good
#9215 - Bassam GS Cabin	Window Lower Sash	>5.0	3.2	Good
#9215 - Bassam GS Cabin	Baseboard	>5.0	1.9	Good
#9215 - Bassam GS Cabin	Ceiling (white)	>5.0	1.6	Good
#9216 - Bassam GS Barn	Bldg. Ext. Wall	2.8	1.6	Good
#9216 - Bassam GS Barn	Small Window Frame	>5.0	2.3	Good
#9216 - Bassam GS Barn	Front Door Ext.	1.9	1.4	Good
#9216 - Bassam GS Barn	Bunk Room E. Wall (white)	>5.0	1.8	Good
#9310 – La Veta WC Gar./Bar.	Garage Doors (yellow)	1.8	2.6	Good
#3523 – Lake Isabel WC Bar. #1	Ext. Soffit & Facia Board (yellow)	>5.0	2.6	Good
#3523 – Lake Isabel WC Bar. #1	Bldg. Front Door Ext. Casing	>5.0	1.8	Good
#3523 – Lake Isabel WC Bar. #1	Bldg. Front Door Int. Casing	2.5	1.8	Good
#3508 - Lake Isabel WC Bar. #2	Ext. Soffit & Facia Board (yellow)	>5.0	3.1	Good
#3508 - Lake Isabel WC Bar. #2	Bldg. Front Door Ext. Casing	>5.0	1.7	Good
#3524 – Lake Isabel WC Garage	Bldg. Ext. Window Sill (brown paint)	2.7	2.2	Good
#3524 – Lake Isabel WC Garage	Bldg. Front Door Int. Casing (yellow)	2.5	2.9	Good
#3524 – Lake Isabel WC Garage	NW Bay – Bottom of N.Wall ONLY	2.2	6.7	Good
#3524 – Lake Isabel WC Garage	Interior Door Casing (yellow)	>5.0	4.6	Good
#3524 – Lake Isabel WC Garage	S. Sign Room – Screen Door (red)	2.1	1.2	Good
#3524 – Lake Isabel WC Garage	Rest Room Door Casing (yellow)	2.5	2.5	Good
#3524 – Lake Isabel WC Garage	Rest Room Door	1.6	2.3	Good
#3524 – Lake Isabel WC Garage	SW Interior Door Casing (yellow)	1.3	2.8	Good
#3524 – Lake Isabel WC Garage	Ext. Garage Door	>5.0	5.0	Good
#3527 – Lake Isabel WC Flam. St.	Main Room Wall (white)	>5.0	10.0	Good
#3527 – Lake Isabel WC Flam. St.	Main Room Shelving (white)	>5.0	10.0	Good
#9316 – Alvarado Barn	Bldg. Ext. Wall (red)	>5.0	4.7	Peeling
#9316 – Alvarado Barn	Bldg. Ext. Window Sill (red)	1.2	3.1	Peeling
#9316 – Alvarado Barn	Bldg. Ext. Window Lower Sash (red)	1.3	2.0	Peeling
#9316 – Alvarado Barn	Bldg. Ext. Trim (red)	>5.0	3.6	Peeling
#9316 – Alvarado Barn	Bldg. Front Door Ext. Casing (red)	>5.0	3.9	Peeling
#9319 – Mingus Ranch House	Upstairs E. Bedroom Window Sash	1.3	1.8	Average
#3556 – Woodland P WC Eng. Stor.	Bldg. Ext. Wall (brown)	>5.0	3.9	Peeling
#3556 – Woodland P WC Eng. Stor.	Ext. Window Sill (brown)	1.5	2.6	Peeling
#3556 – Woodland P WC Eng. Stor.	Ext. Window Lower Sash (brown)	1.6	3.1	Peeling
#3556 – Woodland P WC Eng. Stor.	Ext. Trim (brown)	>5.0	6.5	Peeling
#3556 – Woodland P WC Eng. Stor.	Bldg. Front Door Ext. (yellow)	>5.0	2.0	Average
#3556 – Woodland P WC Eng. Stor.	Bldg. Front Door Ext. Casing (brown)	1.3	2.5	Good
#3556 – Woodland P WC Eng. Stor.	Bldg. Front Door Int. (white)	>5.0	1.5	Good
#3556 – Woodland P WC Eng. Stor.	Bldg. Front Door Int. Casing (white)	>5.0	1.5	Good
#3556 – Woodland P WC Eng. Stor.	Garage/Storage Room Walls	>5.0	1.6	Good

Building Description	Building Component	Lead Conc. Mg/cm^2	Depth Index	Avg. Paint Condition
#3552 Woodland P WC Fire Cache	Bldg. Ext. Soffit & Facia Board (yellow)	2.4	1.6	Good
#3552 Woodland P WC Fire Cache	Bldg. Front Door Ext.	>5.0	2.5	Good
#3552 Woodland P WC Carp. Shop	Bldg. Ext. Soffit & Facia Board (yellow)	4.1	1.7	Good
#3552 Woodland P WC Carp. Shop	Bldg. Front Door Ext.	>5.0	3.1	Good
#3554 Woodland P WC Rec. Shop	Bldg. Ext. Soffit & Facia Board (yellow)	1.8	1.0	Good
#3554 Woodland P WC Rec. Shop	Bldg. Front Door Ext. (yellow)	>5.0	2.8	Good
#3534 - Monument FC Pumphouse	Bldg. Ext. Wall (green)	>5.0	2.5	Good
#3534 - Monument FC Pumphouse	Bldg. Ext./ Window Sill (brown)	>5.0	5.9	Good
#3534 - Monument FC Pumphouse	Bldg. Ext. Window Lower Sash (yellow	2.7	2.3	Good
#3534 - Monument FC Pumphouse	Bldg. Front Door, Ext.	>5.0	3.5	Good
#3534 - Monument FC Pumphouse	Bldg. Front Door Ext. Casing	>5.0	2.2	Good
#9712 - Monument FC Flam. Storage	Bldg. Ext. Soffit (brown)	1.9	1.4	Good
#9713 - Monument FC Office	Bldg. Ext. Window Sill	1.2	2.8	Good
#9713 - Monument FC Office	Bldg. Ext. Window Lower Sash	2.1	2.2	Good
#9713 - Monument FC Office	Main Room Int. Window Lower Sash	1.2	1.6	Good

Attached to this report are copies of the previously mentioned NITON lead paint analyses sheets which contain the details of each XRF reading on each painted surface. We will retain a copy of the above data sheets as well as a copy of this report in my files for your future reference should it be needed.

If any additional information or clarification is necessary, please feel free to call on me. Thank you for your patronage. Please keep us in mind for any additional upcoming industrial hygiene or environmental monitoring on this or any other project.

Sincerely;

Steven D. Herron, CIH, CSP
President and Senior Consultant

Enclosures

STEVE HERRON & ASSOCIATES, INC.

NITON LEAD PAINT ANALYSES

Client _____ Client Contact _____

Job Location 410 E. Main St. - Buena Vista Office Client Ref. # _____

SH&A Job # _____

Industrial Hygienist S. Herron Sampling Date 3/3/99

Reading #	Sample Description	Lead Conc.[1]	Precision[2]	Positive (>1.0)[3]	Chip Sample #[4]
1	Bldg. Exterior Wall (Brick Exterior)	0.0	0.1	–	
2	Bldg. Exterior Window Sill (Anodized Aluminum)	0.0	0.1	–	
3	Bldg. Ext. Window ~~Lower~~ Sash (")	0.0	0.1	–	
4	Bldg. Exterior ~~Railing~~ N. old garage door wall	0.0	0.1	–	
5	Bldg. Front Door, Exterior (Anodized Aluminum)	0.0	0.1	–	
6	Bldg. Front Door, Exterior Casing "	0.0	0.1	–	
7	Bldg. Front Door, Interior "	0.0	0.1	–	
8	Bldg. Front Door, Interior Casing "	0.0	0.1	–	
9	Bldg. ~~Hall~~ Entry office, Wall	0.0	0.1	–	
10	Bldg. ~~Hall~~ Entry office, Base Board	0.2	0.1	+	5.2
11	Bldg. Hall, Exit Door	0.0	0.1	–	
12	Bldg. Hall, Exit Door Casing	0.0	0.1	–	
13	Bldg. Hall, Stair Stringer	2.0	0.5	+	1.2
14	Bldg. Hall, Stair ~~Newel Post~~ Wall	0.0	0.1	–	
15	Bldg. Hall, Stair Rail Cap	0.0	0.1	–	
16	Room #1, Central Room, Window Sill	0.0	0.1	–	
17	Room #1, Window Lower Sash	0.0	0.1	–	
18	Room #1, Baseboard	0.0	0.1	–	
19	Room #1, North Wall	0.0	0.1	–	
20	Room #1, Radiator	0.0	0.1	–	
21	Interior Door (blue) original painted door to basement	2.0	0.6	+	5.8
22	Interior Door Casing	2.0	0.8	+	5.3
23	Room #2, N. Room, Window Sill	0.0	0.1	–	
24	Room #2, Window ~~Lower~~ Sash (Anodized Al)	0.0	0.1	–	
25	Room #2, Baseboard	0.0	0.1	–	
26	Room #2, ~~North~~ Wall 5	0.0	0.1	–	

Reading #	Sample Description	Lead Conc.[1]	Precision[2]	Positive (>1.0)[3]	Chip Sample #[4]
27	Room #2, ~~Radiator~~ S. Door Frame	2.2	0.8	+	8.4
28	Room #3, ~~Window Sill~~ Foundation Walls White	0.0	0.1	–	
~~29~~	~~Room #3, Window Lower Sash~~	~~0.0~~	0.1	–	
30	Room #3, ~~Baseboard~~ Ceiling	0.0	0.1	–	
31	Room #3, Basement, ~~North~~ West Wall (White	0.0	0.1	–	
~~32~~	~~Room #3, Radiator~~	0.0	0.1	–	
33	Closet Wall	0.0	0.1	–	
34	Closet Shelf	0.0	0.1	–	
35	Closet Door	0.0	0.1	–	
36	Closet Door Casing	0.0	0.1	–	
37	Kitchen, Window Sill	0.0	0.1	–	
38	Kitchen, Window Lower Sash	0.0	0.1	–	
39	Kitchen, North Wall	0.0	0.1	–	
40	Kitchen, Radiator	0.0	0.1	–	
41	Kitchen, Cabinets	0.0	0.1	–	
42	Kitchen, Door	0.0	0.1	–	
43	Kitchen, Door Casing	0.0	0.1	–	
44	Rest Room Wall	0.0	0.1	–	
45	Rest Room, Radiator	0.0	0.1	–	
46	Rest Room, Cabinets (Closet)	0.0	0.1	–	
47	Rest Room, Door Closet	0.0	0.1	–	
48	Rest Room, Door Casing	0.0	0.1	–	
49	~~Rest Room, Shower/Stall Walls~~	0.0	0.1	–	
50		0.0	0.1	–	
51		0.0	0.1	–	
52		0.0	0.1	–	
53		0.0	0.1	–	
54		0.0	0.1	–	
55		0.0	0.1	–	

1 **Lead Concentration in mg/cm²** - Milligrams of lead per square centimeter.

2 **Precision** - Plus or minus in Milligrams of lead per square centimeter.

3 **Positive or Negative for Lead** - Lead measurements equal to or greater than 1 mg/cm² are marked positive (+) for lead; measurements less than 1 mg/cm² are marked negative (-) for lead.

4 **Paint chip sample #** - If a sample number is included here, a sample was collected for confirmation of the NITON XRF measurement.