
DRAFT – Asbestos and Lead-Based Paint Survey Report – Kuhlman Diecasting Site

Stanley, Kansas



Appendix A– Site Figures

Submitted By:



Environment International Government Ltd.
5505 34th Ave. NE
Seattle, WA 98105
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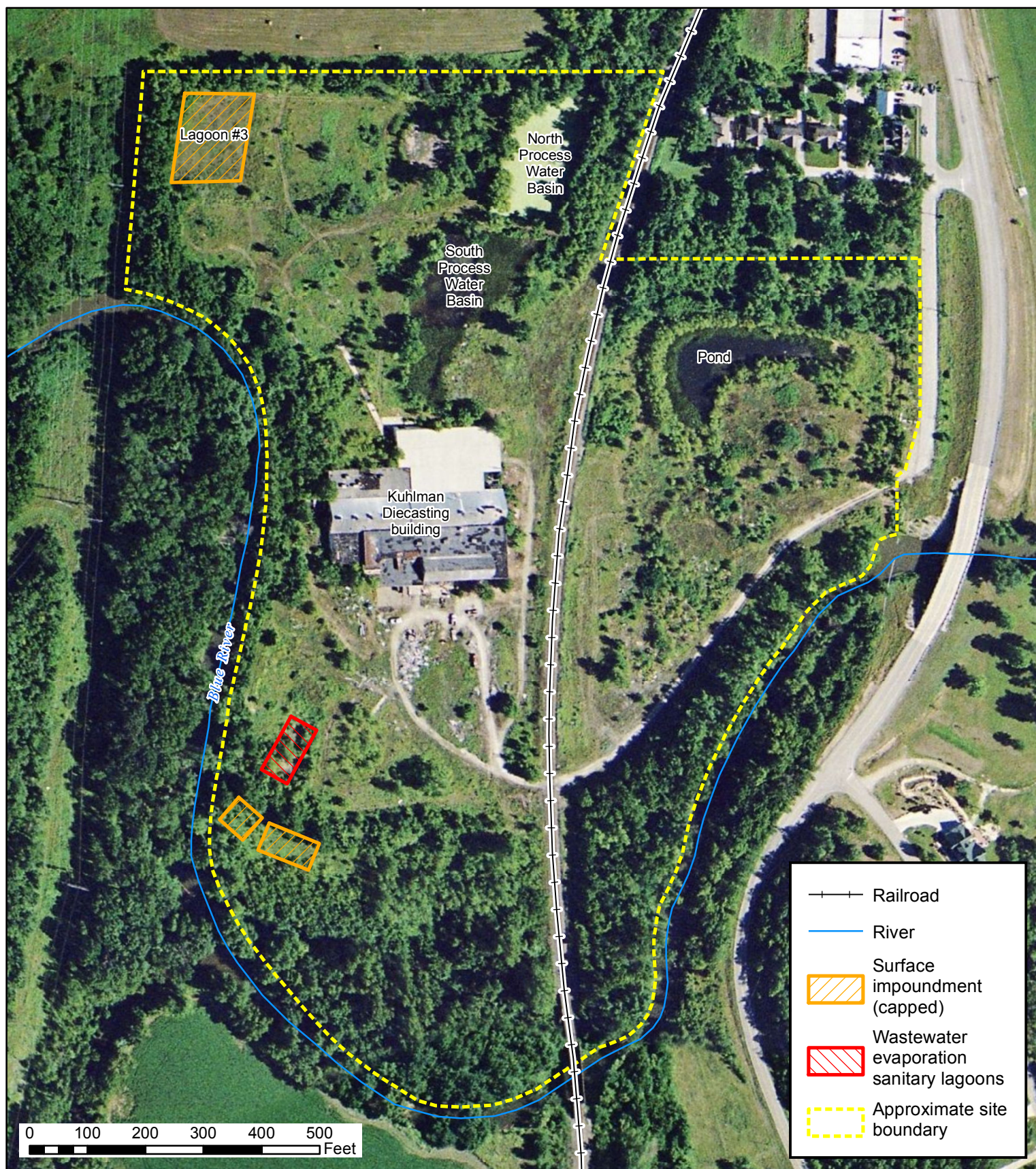


Figure 2
Site Aerial Map

Kuhlman Diecasting Site, Stanley, Kansas

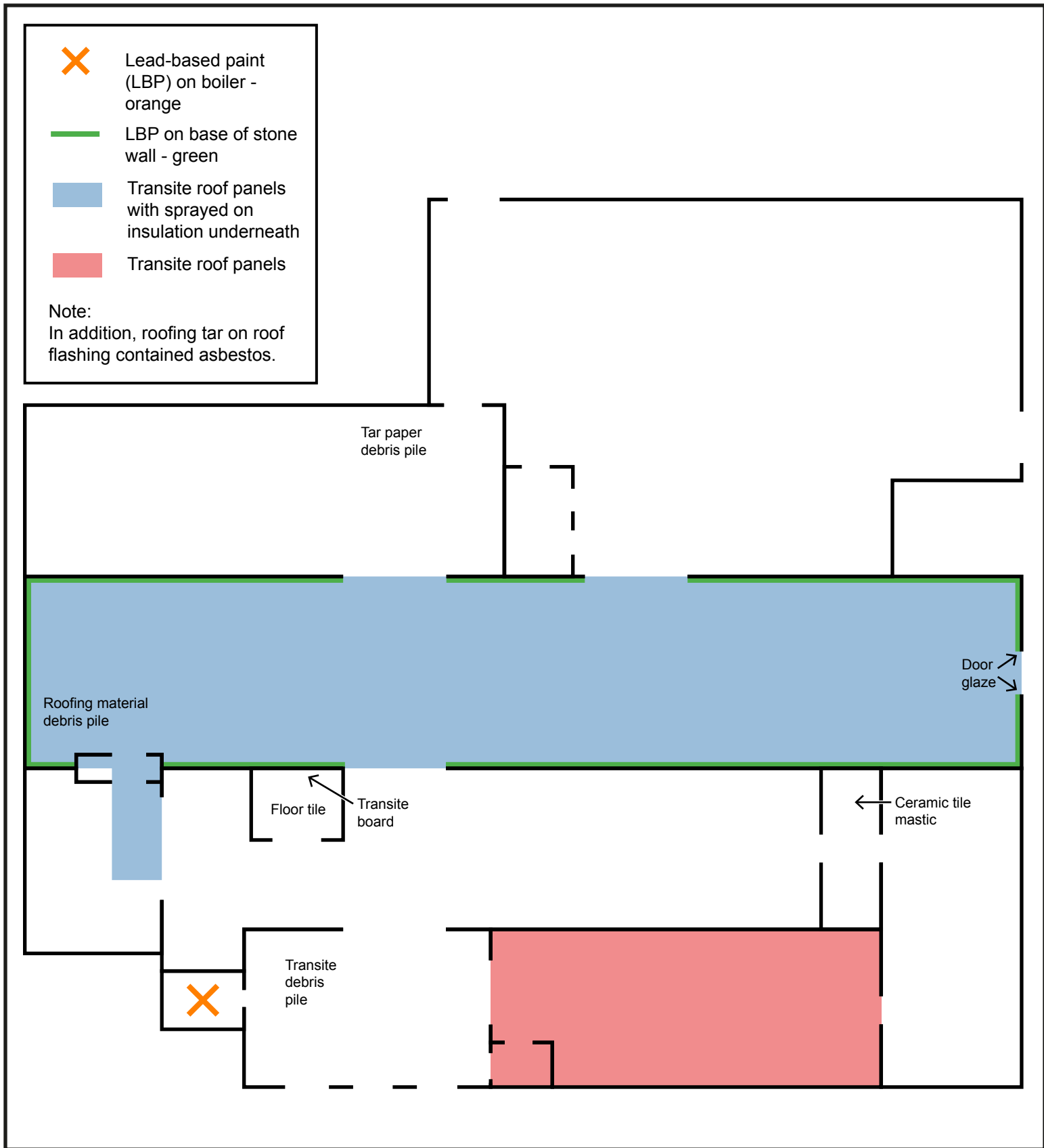
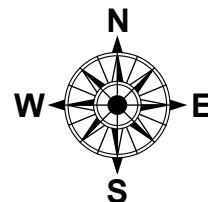


Figure 3
Asbestos Containing Material and Lead-based Paint
Location Map



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Appendix B– Photographic Log

Submitted By:



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**Kuhlman Diecasting Site
Stanley, Kansas**



Targeted Brownfields Assessment Direction: Northwest	DESCRIPTION	This photograph shows the front of the Kuhlman Diecasting building. The building is inactive and in a dilapidated condition.	1
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Jeff Pritchard	9-14-11

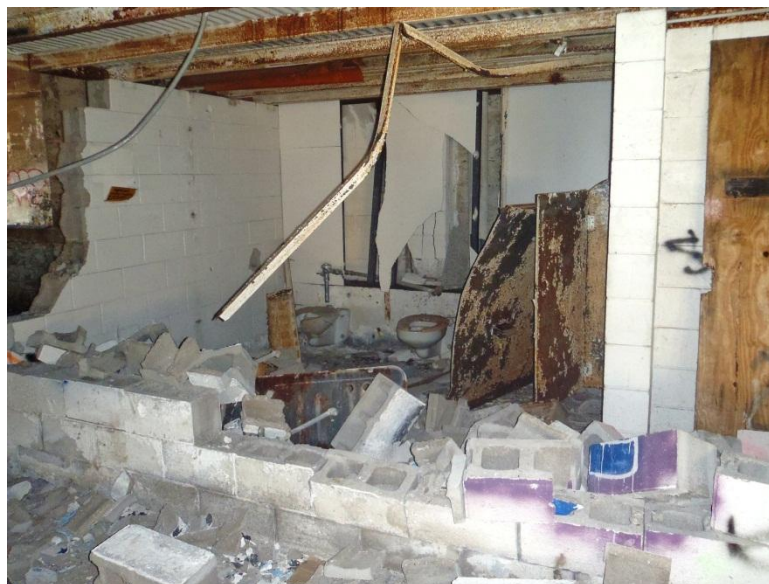


Targeted Brownfields Assessment Direction: Northwest	DESCRIPTION	This photograph shows a debris pile containing transite board located in the northwest corner of the loading dock.	2
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11

**Kuhlman Diecasting Site
Stanley, Kansas**

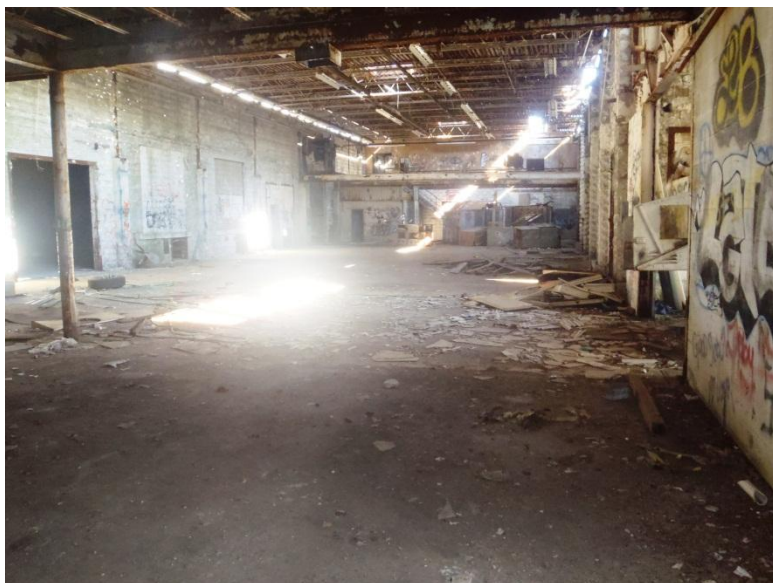


Targeted Brownfields Assessment Direction: West	DESCRIPTION	This photograph shows the boiler room located in the southwest corner of the building. The boiler contained orange lead-based paint.	3
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11



Targeted Brownfields Assessment Direction: Northwest	DESCRIPTION	This photograph shows a bathroom in the building that contained transite board and floor tile that were asbestos-containing.	4
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11

**Kuhlman Diecasting Site
Stanley, Kansas**



Targeted Brownfields Assessment Direction: East	DESCRIPTION	This photograph shows asbestos-containing transite board, roof tiles, and other debris scattered throughout the central portion of the building.	5
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11



Targeted Brownfields Assessment Direction: North	DESCRIPTION	This photograph shows green lead-based paint located on the wall throughout the central room in the building.	6
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11

**Kuhlman Diecasting Site
Stanley, Kansas**



Targeted Brownfields Assessment Direction: Northeast	DESCRIPTION	This photograph shows the office located on the east side of the building. A bathroom in the office was determined to have asbestos-containing ceramic tile mastic.	7
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11



Targeted Brownfields Assessment Direction: West	DESCRIPTION	This photograph shows the pitched roof (in the distance) that was comprised of several asbestos-containing materials.	8
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11

**Kuhlman Diecasting Site
Stanley, Kansas**



Targeted Brownfields Assessment Direction: NA	DESCRIPTION	This photograph shows the pitched roof composed of transite panels with an insulation under layer that were determined to be asbestos-containing materials.	9
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11



Targeted Brownfields Assessment Direction: West	DESCRIPTION	This photograph shows several pieces of asbestos-containing transite and debris located in the building.	10
	CLIENT	Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Kirk Mammoliti	10-20-11

DRAFT – Asbestos and Lead-Based Paint Survey Report – Kuhlman Diecasting Site

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Appendix C– Data Summary Tables

Submitted By:



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TABLE C-1
ASBESTOS SAMPLE RESULTS
KUHLMAN DIECASTING SITE, STANLEY, KANSAS

SAMPLE ID	MATERIAL	COLOR	SAMPLE RESULT	LOCATION	ESTIMATED QUANTITY
K-TR-1	Transite debris	Grey	15% Chrysotile	Throughout building on floor	~ 15 yd ³
K-TR-1			NA		
K-TR-1			NA		
K-TSI-B-1	TSI debris	Beige	Asbestos Not Present	Boiler room	Not applicable
K-TSI-B-2			Asbestos Not Present		
K-TSI-B-3			Asbestos Not Present		
K-DW-1	Drywall debris	White	Asbestos Not Present	Boiler room	Not applicable
K-DW-2			Asbestos Not Present		
K-DW-3			Asbestos Not Present		
K-PLSC-1	Plaster/plaster skim coat	Beige	Asbestos Not Present	Ceiling - East side	Not applicable
K-PLSC-2			Asbestos Not Present		
K-PLSC-3			Asbestos Not Present		
K-CRTM-1	Ceramic tile mastic	Tan	Mastic - Asbestos Not Present Paint - 5 % Chrysotile	Boiler room	120 ft ²
K-CRTM-2			NA		
K-CRTM-3			NA		
K-DG-1	Door glaze	Cream	3 % Chrysotile	East side of building	90 lf
K-DG-2			NA		
K-DG-3			NA		
K-SC-1	Skim coat	Tan	Asbestos Not Present	West side of building on brick	Not applicable
K-SC-2			Asbestos Not Present		
K-SC-3			Asbestos Not Present		
K-WG-1	Window glaze	Grey	Asbestos Not Present	West side windows	Not applicable
K-WG-2			Asbestos Not Present		
K-WG-3			Asbestos Not Present		
K-RM-1	Roof material - debris	Black	15 % Chrysotile	West loading dock - debris	~ 5 yd ³
K-RM-2			NA		
K-RM-3			NA		
K-BP-1	Tar paper - debris	Black	20 % Chrysotile	Northwest side of building -	~ 15 yd ³
K-BP-2			NA		
K-BP-3			NA		
K-DW2-1	Drywall - debris	White	Asbestos Not Present	Northeast side of building	Not applicable
K-DW2-2			Asbestos Not Present		
K-DW2-3			Asbestos Not Present		

TABLE C-1
ASBESTOS SAMPLE RESULTS
KUHLMAN DIECASTING SITE, STANLEY, KANSAS

SAMPLE ID	MATERIAL	COLOR	SAMPLE RESULT	LOCATION	ESTIMATED QUANTITY
K-WM-1	Wall mastic	Tan	Asbestos Not Present	Northeast office - 1st floor	Not applicable
K-WM-2			Asbestos Not Present		
K-WM-3			Asbestos Not Present		
K-FT-1	Floor tile	Grey	Asbestos Not Present	Northeast office - 2nd floor	Not applicable
K-FT-2			Asbestos Not Present		
K-FT-3			Asbestos Not Present		
K-FT2-1	Floor tile	Tan	Asbestos Not Present	Northeast office - 2nd floor	Not applicable
K-FT2-2			Asbestos Not Present		
K-FT2-3			Asbestos Not Present		
K-LIN-1	Lineoluem flooring	Brown	Asbestos Not Present	2nd floor - middle portion	Not applicable
K-LIN-2			Asbestos Not Present		
K-LIN-3			Asbestos Not Present		
K-RT-1	Roof tar	Black	15 % Chrysotile	Roof flashing	Unknown
K-RT-2			NA		
K-RT-3			NA		
K-TR2-1	Transite roof paneling	Grey	15 % Chrysotile	Roof - middle and southeast portion	34,000 ft ²
K-TR2-2			NA		
K-TR2-3			NA		
K-TSI2-1	TSI - under transite roof panels	Grey	10 % Chrysotile	Under transite roof panels	25,000 ft ²
K-TSI2-2			NA		
K-TSI2-3			NA		
K-FT3-1	Floor tile	Beige	Tile - 7 % Chrysotile Mastic - Asbestos Not Present	1st floor - west side	200 ft ²
K-FT3-2			Tile - NA Mastic - Asbestos Not Present		
K-FT3-3			Tile - NA Mastic - Asbestos Not Present		
K-TR3-1	Transite board	Grey	20 % Chrysotile	1st floor - west side	100 ft ²
K-TR3-2			NA		
K-TR3-3			NA		

Notes:

~	Approximate	lf	Linear feet
%	Percent	NA	Not analyzed
ft ²	Square feet	TSI	Thermal system insulation
ID	Identification	yd ³	Cubic yard

TABLE C-2
LEAD-BASED PAINT XRF RESULTS
KUHLMAN DIECASTING SITE, STANLEY, KANSAS

PROJECT NAME Kuhlman Diecasting Site					DATE OCTOBER 20, 2011			
PROJECT NUMBER					INSPECTOR(S) JEFFREY MITCHELL			
PROJECT LOCATION Stanley, Kansas					BUILDING NUMBER/NAME			
No.	Color	Room/Location	Component	Substrate	Result	Positive / Negative	Condition	Notes
1	White	Floor 1- SW Room Boiler	Beam	Metal	0.05	Negative	NA	
2	White	SW Room Boiler Room	Wall	Brick	0.01	Negative	NA	
3	Orange	SW Room Boiler Room	Boiler	Metal	2.5	Positive	Flaked	500 square feet
4	White	South 1/2 First Floor	Beam	Metal	0.09	Negative	NA	
5	White	South Original Building Wall	Wall	Stone	0.00	Negative	NA	
6	Orange	SE Room	Beam	Metal	0.6	Negative	NA	
7	Green	East Room	Wall	Cinder	0.1	Negative	NA	
8	Cream	East Room	Wall	Concrete	0.1	Negative	NA	
9	White	NE 2 nd Floor Room	Wall	Metal	0.01	Negative	NA	
10	White	East 2 nd Floor	Beam	Metal	0.1	Negative	NA	
11	White	Middle Under Pitched Roof	Wall	Stone	0.02	Negative	NA	
12	Green	Middle Under Pitched Roof	Wall	Stone	2.3	Positive	Flaked	2,800 square feet
13	Blue	North Room	Tank	Metal	0.00	Negative	NA	
14	White	NE Addition	Wall	Cinder	0.00	Negative	NA	
15	White	NE Addition	Wall	Metal	0.07	Negative	NA	
16	White	NE Addition	Wall	Stone	0.3	Negative	NA	
17	White	2 nd Floor Western Room	Beam	Metal	0.6	Negative	NA	

Notes: Shaded areas indicate results above 1.0

NE Northeast SW Southwest
SE Southeast XRF X-ray fluorescence

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Appendix D– Analytical Data Package

Submitted By:



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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

**Seagull Environmental Tech.
Jeff Pritchard
415 Oak Street
Kansas City, MO 64106**

Re: Quantem ID 201148

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 201148

Account Number: B698

Date Received: 10/25/2011

Received By: Leigh Armstrong

Date Analyzed: 10/28/2011

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Seagull Environmental Tech.

Jeff Pritchard

415 Oak Street

Kansas City, MO 64106

Project: Kuhlman Die Casting Site

Project Location: Stanley, KS

Project Number: N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	K-TR-1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	Quartz CaCO3
002	K-TR-2	**	** Transite	**	Not Analyzed	
Positive Stop						
003	K-TR-3	**	** Transite	**	Not Analyzed	
Positive Stop						
004	K-TSI-B-1	Homogeneous	Beige Insulation	Asbestos Not Present	Synthetic 20	CaCO3 Binder
005	K-TSI-B-2	Homogeneous	White Insulation	Asbestos Not Present	Synthetic 20	CaCO3 Binder
006	K-TSI-B-3	Homogeneous	White Insulation	Asbestos Not Present	Synthetic 20	CaCO3 Binder
007	K-DW-1	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 35	Gypsum CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Jeff Pritchard

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Kansas City, MO 64106

Project: Kuhlman Die Casting Site

Project Location: Stanley, KS

Project Number: N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	K-DW-2	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 35	Gypsum CaCO3
009	K-DW-3	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 35	Gypsum CaCO3
010	K-PLSC-1	Layered	Beige Plaster	Asbestos Not Present	NA	Quartz CaCO3
010a		Layered	Brown Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	K-PLSC-2	Layered	Beige Plaster	Asbestos Not Present	NA	Quartz CaCO3
011a		Layered	Brown Plaster	Asbestos Not Present	NA	Quartz CaCO3
012	K-PLSC-3	Layered	Beige Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No.	201148	Client:	Seagull Environmental Tech.
Account Number:	B698		Jeff Pritchard
Date Received:	10/25/2011		415 Oak Street
Received By:	Leigh Armstrong		Kansas City, MO 64106
Date Analyzed:	10/28/2011	Project:	Kuhlman Die Casting Site
Analyzed By:	Sandy Baker	Project Location:	Stanley, KS
Methodology:	EPA/600/R-93/116	Project Number:	N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Brown Plaster	Asbestos Not Present	NA	Quartz CaCO3
013	K-CRTM-1	Layered	Tan Mastic	Asbestos Not Present	NA	Glue
013a		Layered	Silver Paint	Asbestos Present Chrysotile 5	NA	Paint
014	K-CRTM-2	Layered	Tan Mastic	Asbestos Not Present	NA	Glue
014a		**	** Paint	**	Not Analyzed	
Positive Stop						
015	K-CRTM-3	Layered	Tan Mastic	Asbestos Not Present	NA	Glue
015a		**	** Paint	**	Not Analyzed	
Positive Stop						

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Quantem Lab No. 201148

Account Number: B698

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Received By: Leigh Armstrong

Date Analyzed: 10/28/2011

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Seagull Environmental Tech.

Jeff Pritchard

415 Oak Street

Kansas City, MO 64106

Project: Kuhlman Die Casting Site

Project Location: Stanley, KS

Project Number: N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	K-DG-1	Homogeneous	Cream Door Glaze	Asbestos Present Chrysotile 3	NA	CaCO3 Binder
017	K-DG-2	**	** Door Glaze	**	Not Analyzed	
Positive Stop						
018	K-DG-3	**	** Door Glaze	**	Not Analyzed	
Positive Stop						
019	K-SC-1	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Paint Quartz
020	K-SC-2	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Paint Quartz
021	K-SC-3	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Paint CaCO3
022	K-WG-1	Homogeneous	Light Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Binder

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Account Number:	B698		Jeff Pritchard
Date Received:	10/25/2011		415 Oak Street
Received By:	Leigh Armstrong		Kansas City, MO 64106
Date Analyzed:	10/28/2011	Project:	Kuhlman Die Casting Site
Analyzed By:	Sandy Baker	Project Location:	Stanley, KS
Methodology:	EPA/600/R-93/116	Project Number:	N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	K-WG-2	Homogeneous	Light Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
024	K-WG-3	Homogeneous	Light Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
025	K-RM-1	Homogeneous	Black Roofing	Asbestos Present Chrysotile 15	NA	Tar
026	K-RM-2	**	** Roofing	**	Not Analyzed	
Positive Stop						
027	K-RM-3	**	** Roofing	**	Not Analyzed	
Positive Stop						
028	K-BP-1	Homogeneous	Black Tar Paper	Asbestos Present Chrysotile 20	Cellulose 15	Tar
029	K-BP-2	**	** Tar Paper	**	Not Analyzed	
Positive Stop						

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Received By: Leigh Armstrong	Kansas City, MO 64106
Date Analyzed: 10/28/2011	Project: Kuhlman Die Casting Site
Analyzed By: Sandy Baker	Project Location: Stanley, KS
Methodology: EPA/600/R-93/116	Project Number: N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	K-BP-3	**	** Tar Paper	**	Not Analyzed	
Positive Stop						
031	K-DW2-1	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum CaCO3
032	K-DW2-2	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum CaCO3
033	K-DW2-3	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum CaCO3
034	K-WM-1	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
035	K-WM-2	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
036	K-WM-3	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue

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Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Seagull Environmental Tech.

Jeff Pritchard

415 Oak Street

Kansas City, MO 64106

Project: Kuhlman Die Casting Site

Project Location: Stanley, KS

Project Number: N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	K-FT-1	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃
037a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
038	K-FT-2	Layered	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃
038a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
039	K-FT-3	Layered	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃
039a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
040	K-FT2-1	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃

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Analyzed By:	Sandy Baker	Project Location:	Stanley, KS
Methodology:	EPA/600/R-93/116	Project Number:	N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040a		Layered	Gray Mastic	Asbestos Not Present	NA	Glue
041	K-FT2-2	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
041a		Layered	Gray Mastic	Asbestos Not Present	NA	Glue
042	K-FT2-3	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
042a		Layered	Gray Mastic	Asbestos Not Present	NA	Glue
043	K-LIN-1	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 5 Glass Fiber 10	Vinyl 5 CaCO3 10
044	K-LIN-2	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 5 Glass Fiber 10	Vinyl 5 CaCO3 10

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 201148	Client: Seagull Environmental Tech.
Account Number: B698	Jeff Pritchard
Date Received: 10/25/2011	415 Oak Street
Received By: Leigh Armstrong	Kansas City, MO 64106
Date Analyzed: 10/28/2011	Project: Kuhlman Die Casting Site
Analyzed By: Sandy Baker	Project Location: Stanley, KS
Methodology: EPA/600/R-93/116	Project Number: N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
045	K-LIN-3	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 5 Glass Fiber 10	Gypsum CaCO3
046	K-RT-1	Homogeneous	Black Tar	Asbestos Present Chrysotile 15	NA	Tar
047	K-RT-2	**	** Tar	**	Not Analyzed	
Positive Stop						
048	K-RT-3	**	** Tar	**	Not Analyzed	
Positive Stop						
049	K-TR2-1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	Quartz Binder
050	K-TR2-2	**	** Transite	**	Not Analyzed	
Positive Stop						
051	K-TR2-3	**	** Transite	**	Not Analyzed	
Positive Stop						

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 201148	Client: Seagull Environmental Tech.
Account Number: B698	Jeff Pritchard
Date Received: 10/25/2011	415 Oak Street
Received By: Leigh Armstrong	Kansas City, MO 64106
Date Analyzed: 10/28/2011	Project: Kuhlman Die Casting Site
Analyzed By: Sandy Baker	Project Location: Stanley, KS
Methodology: EPA/600/R-93/116	Project Number: N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
052	K-TSI2-1	Homogeneous	Dark Gray Insulation	Asbestos Present Chrysotile 10	NA	CaCO3 Binder
053	K-TSI2-2	**	** Insulation	**	Not Analyzed	
Positive Stop						
054	K-TSI2-3	**	** Insulation	**	Not Analyzed	
Positive Stop						
055	K-FT3-1	Layered	Beige Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3
055a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
056	K-FT3-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
056a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 201148

Account Number: B698

Date Received: 10/25/2011

Received By: Leigh Armstrong

Date Analyzed: 10/28/2011

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Seagull Environmental Tech.

Jeff Pritchard

415 Oak Street

Kansas City, MO 64106

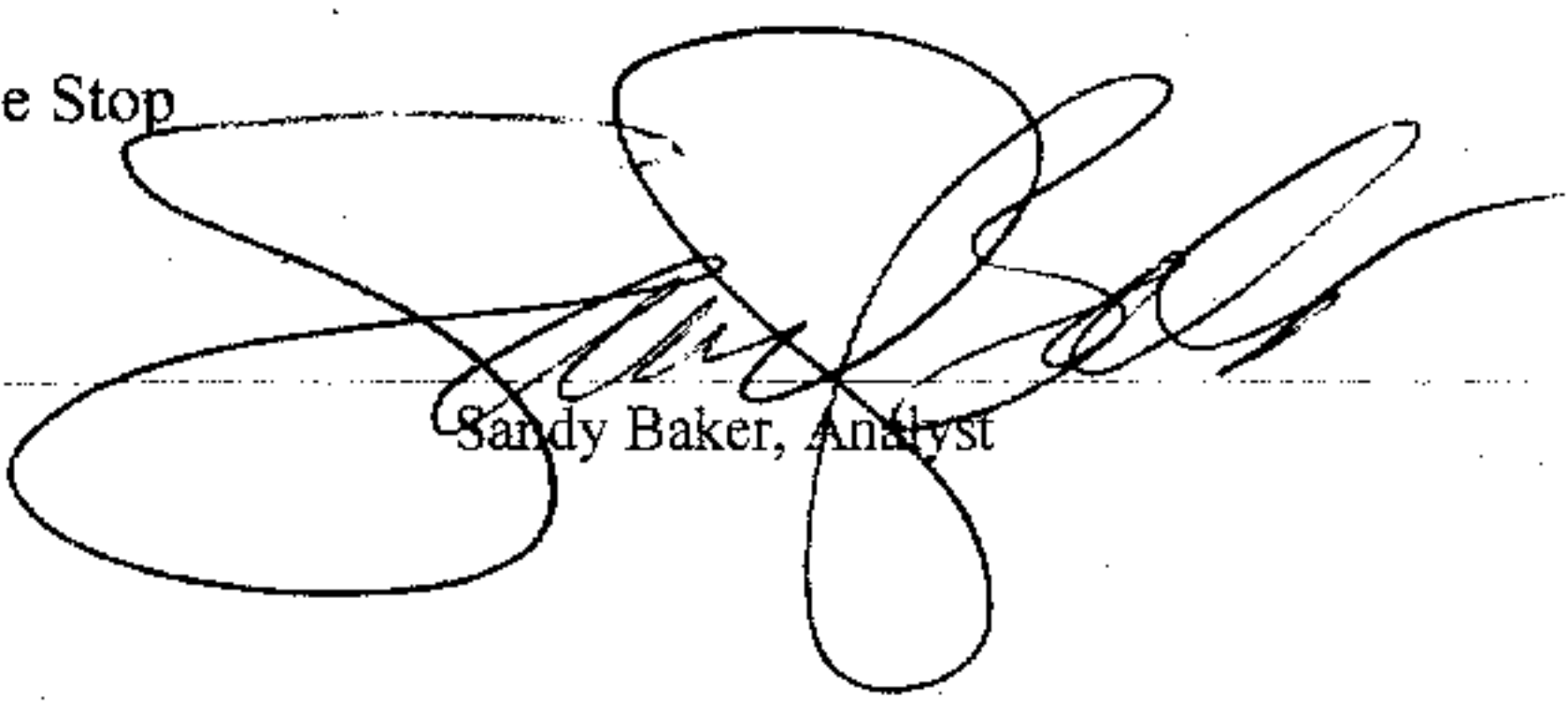
Project: Kuhlman Die Casting Site

Project Location: Stanley, KS

Project Number: N/A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
057	K-FT3-3	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
057a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
058	K-TR3-1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	Quartz CaCO3
059	K-TR3-2	**	** Transite	**	Not Analyzed	
Positive Stop						
060	K-TR3-3	**	** Transite	**	Not Analyzed	

Positive Stop


Sandy Baker, Analyst

10/28/2011

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Seagull Environmental Tech Inc	Phone: (915) 220-5887	Project Name: Kuhlman Die Casting Site	Report Results (R) one box
Contact: Jeff Ritchhead	Cell Phone: 313-740-1000	Project Location: Stanley, KS	<input type="checkbox"/> QuantEM Website
Account #:	E-mail: jrichhead@seagullenvirotech.com	Project ID:	<input type="checkbox"/> Other

Sampled By: Jeff Mitchell	Date: 10/20/11
RELINQUISHED BY: [Signature]	DATE & TIME: 10/21/2011
VIA: FEDEX	RECEIVED BY: [Signature]
DATE & TIME: 10/25	DATE & TIME: 1:15

REQUESTED SERVICES (Please check the appropriate boxes)			
PLM	PLM	PLM	TEM
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input checked="" type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	K-TR-1	<input checked="" type="checkbox"/>		Transite Debris	NA	Step on first positive
2	K-TR-2	<input checked="" type="checkbox"/>				
3	K-TR-3	<input checked="" type="checkbox"/>				
4	K-TS1-B-1	<input checked="" type="checkbox"/>		TSI Debris		
5	K-TS1-B-2	<input checked="" type="checkbox"/>				
6	K-TS1-B-3	<input checked="" type="checkbox"/>				
7	K-DW-1	<input checked="" type="checkbox"/>		Drywall debris		
8	K-DW-2	<input checked="" type="checkbox"/>				
9	K-DW-3	<input checked="" type="checkbox"/>				
10	K-PLSC-1	<input checked="" type="checkbox"/>		Plaster / Plaster Skim Coat		



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	Accept	Reject
1. χ^2 test		
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99. χ^2 test		
100. χ^2 test		

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"



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Lab No. 20048

	Accept	Reject
1. $\mu = 0$	0.0000	0.0000
2. $\mu = 1$	0.0000	0.0000
3. $\mu = 2$	0.0000	0.0000
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78. $\mu = 77$	0.0000	0.0000
79. $\mu = 78$	0.0000	0.0000
80. $\mu = 79$	0.0000	0.0000
81. $\mu = 80$	0.0000	0.0000
82. $\mu = 81$		

Project Information							Project Location:
Company: Sagwell Environmental		Project Name: Kuhlman Die Casting		Project Location: Stanley, KS			
No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	
31	K-DW2-1	<input checked="" type="checkbox"/>		Dry wall	NA	Stop on first positive	
32	K-DW2-2	<input checked="" type="checkbox"/>		↓			
33	K-DW2-3	<input checked="" type="checkbox"/>		Wall Mastic			
34	K-WM-1	<input checked="" type="checkbox"/>		↓			
35	K-WM-2	<input checked="" type="checkbox"/>					
36	K-WM-3	<input checked="" type="checkbox"/>		Floor Tile			
37	K-FT-1	<input checked="" type="checkbox"/>		↓			
38	K-FT-2	<input checked="" type="checkbox"/>					
39	K-FT-3	<input checked="" type="checkbox"/>		↓			
40	K-FT2-1	<input checked="" type="checkbox"/>					
41	K-FT2-2	<input checked="" type="checkbox"/>					
42	K-FT2-3	<input checked="" type="checkbox"/>		Linoleum			
43	K-Lin-1	<input checked="" type="checkbox"/>		↓			
44	K-Lin-2	<input checked="" type="checkbox"/>					
45	K-Lin-3	<input checked="" type="checkbox"/>		Roof Tar			
46	K-RT-1	<input checked="" type="checkbox"/>		↓			
47	K-RT-2	<input checked="" type="checkbox"/>					
48	K-RT-3	<input checked="" type="checkbox"/>		Transite Debris			
49	K-TR2-1	<input checked="" type="checkbox"/>		↓			
50	K-TR2-2	<input checked="" type="checkbox"/>					



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Page 4 of 4

For Lab Use Only

Lab No. 201148

Accept Reject

Project Information					
Company: <u>Sagull Environmental</u>		Project Name: <u>Kuhlman Die Casting</u>	Project Location: <u>Stanley, KS</u>		
No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
<u>51</u>	<u>K-TR2-3</u>	<input checked="" type="checkbox"/>	<u>Transite Debris</u>	<u>NA</u>	<u>stop on first positive</u>
<u>52</u>	<u>K-TS12-1</u>	<input checked="" type="checkbox"/>	<u>TS1</u>		
<u>53</u>	<u>K-TS12-2</u>	<input checked="" type="checkbox"/>			
<u>54</u>	<u>K-TS12-3</u>	<input checked="" type="checkbox"/>			
<u>55</u>	<u>K-FT3-1</u>	<input checked="" type="checkbox"/>	<u>Floor Tile</u>		
<u>56</u>	<u>K-FT3-2</u>	<input checked="" type="checkbox"/>			
<u>57</u>	<u>K-FT3-3</u>	<input checked="" type="checkbox"/>			
<u>58</u>	<u>K-TR3-1</u>	<input checked="" type="checkbox"/>	<u>Transite board</u>		
<u>59</u>	<u>K-TR3-2</u>	<input checked="" type="checkbox"/>			
<u>60</u>	<u>K-TR3-3</u>	<input checked="" type="checkbox"/>			
<u>1</u>		<input checked="" type="checkbox"/>			
<u>2</u>		<input type="checkbox"/>			
<u>3</u>		<input type="checkbox"/>			
<u>4</u>		<input type="checkbox"/>			
<u>5</u>		<input type="checkbox"/>			
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**Seagull Environmental Tech.
Jeff Pritchard
415 Oak Street
Kansas City, MO 64106**

Re: QuantEM ID 201381

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuantEM Laboratories, LLC.





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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 201381

Account Number: B698

Date Received: 11/03/2011

Received By: Barbara Holder

Date Analyzed: 11/03/2011

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Seagull Environmental Tech.

Jeff Pritchard

415 Oak Street

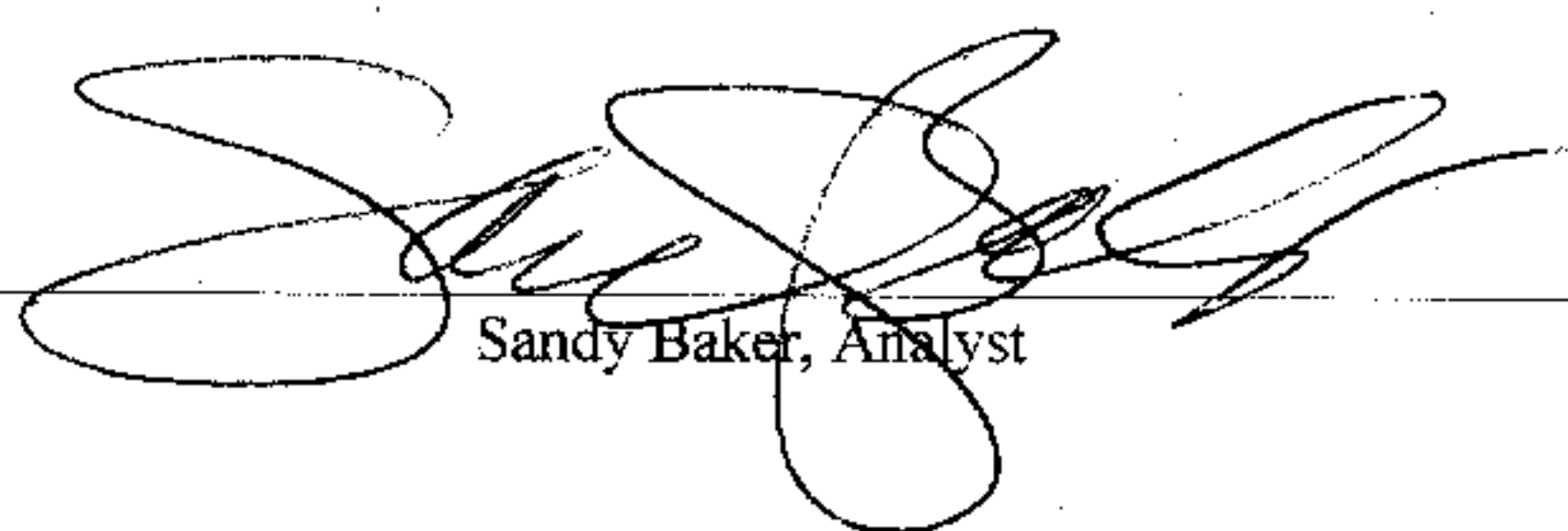
Kansas City, MO 64106

Project: Kuhlman Die Casting Site

Project Location: Stanley, KS

Project Number: Pt Ct for 201148

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	K-TSI-B-1	Homogeneous	Beige Insulation	Asbestos Not Present	Synthetic 20	CaCO3 Binder
002	K-DW-2	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 35	Gypsum CaCO3
003	K-WM-2	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue



Sandy Baker, Analyst

11/3/2011
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Login

From: "Jeff Pritchard" <jpritchard@seagullenvirotech.com>
To: "Login" <loginasbestos@quantem.com>
Sent: Thursday, November 03, 2011 8:14 AM
Subject: Re: Asbestos Report

Sherrie,

I would like to request Point Count 400 analysis (24-hour TAT) on 3 samples from this set.

Samples: K-TSI-B-1 ; K-DW-2 ; and K-WM-2.

Please let me know of any questions related to this.

Thanks,

Jeff Pritchard, CHMM
Sr. Environmental Scientist
Seagull Environmental Technologies, Inc.
Woman-Owned, 8(a) Firm
Direct: 816-412-1937 Cell: 913-220-5887
Email: jpritchard@seagullenvirotech.com
Website: www.seagullenvirotech.com

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----- Original Message -----

From: Login
To: Seagull Environmental Tech.
Sent: Friday, October 28, 2011 12:06 PM
Subject: Asbestos Report

Thank you,

Sherrie Leftwich
Sample Receiving
Quantem Labs, LLC

RE: 201148

201381

BAALQ

8³⁰ 11-3-11

11-3-11

11/3/2011