Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

October 19, 2004

Ecology and Environment, Inc.
333 SW 5th Avenue
Suite 608
Portland, OR 97204

Attn: Bill Mehnert

Project Name: START-2 Portland OR
Project Number: 001281.0293.01RS
TDD 03-07-0011
P. O. Number: 100066-S10

REVISION SET #2 : REVISION TO LABCOR REPORT 040827, DATED SEPTEMBER 28, 2004

Lab/Cor Batch Number: 040827

Revision #2 An error occurred in calculating PCM equivalent fibers and structures on some samples due to incorrect cell referencing. The cell referencing error did not correctly calculate the aspect ratio and length accordingly for each category. The ISO PCM equivalent minimum width definition was changed to 0.25 µm reflect US standards.

Revision #1 An spreadsheet error was made in calculating the number of protocol structures present in samples 040827-02, -04, and -06. The spreadsheet formula was analyzing only primary structures when considering them as protocol structures. The revision allows total structures to be included in protocol structure counts.

Conditions Enclosed please find results for samples submitted to our laboratory on July 26, 2004. A list of samples received follows, with limitation or rejection criteria noted where applicable.

Lab/Cor Sample No.	Client Sample No.	Limitation/Rejection Criteria
040827-01	04070002	Rejected at prep - Quarter wedge removed before delivery to lab, filter upside down in cassette with visible particulate on support pad
040827-02	04070004	No special conditions were noted
040827-03	04070005	Rejected at prep - Quarter wedge removed before delivery to lab, filter upside down in cassette with visible particulate on support pad
040827-04	04070006	Quarter wedge removed before delivery to lab, filter upside down in cassette with visible particulate on support pad, approved for analysis by client
040827-05	04070012	No special conditions were noted
040827-06	04070013	Quarter wedge removed before delivery to lab, filter upside down in cassette, Not Analyzed
040827-07	04070014	No special conditions were noted
040827-08	04070015	No special conditions were noted
040827-09	04070017	Rejected at prep - Quarter wedge removed before delivery to lab, filter upside down in cassette
040827-10	04070018	No special conditions were noted
040827-11	04070019	No special conditions were noted
040827-12	04070021	Rejected at prep - Quarter wedge removed before delivery to lab, filter upside down in cassette with visible particulate on support pad
040827-13	04070023	No special conditions were noted
040827-14	04070024	No special conditions were noted

7619 6th Avenue NW, Seattle, WA 98117 (206) 781-0155 (206) 789-8424 (FAX)

Lab/Cor Sample No.	Client Sample No.	Limitation/Rejection Criteria
040827-15	04070025	No special conditions were noted
040827-16	04070026	No special conditions were noted

Method

Preparation and analysis of the above samples was conducted in accordance with the ISO method 10312 (Direct) for the identification of asbestos. Briefly, the samples were collapsed with acetone, then etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. The samples were carbon coated at high vacuum with a thin layer of carbon, placed on 200 mesh copper grids and allowed to dissolve in acetone until cleared of filter debris.

TEM analysis was performed using a transmission electron microscope equipped with an EDS X-ray analyzer. The air samples were analyzed at an approximate screen magnifications of 20,000x for asbestos structures > 0.5 μm lengths. An accelerating voltage of 100 KV was applied. The sizing of grid openings was performed on the microscope at a magnification of approximately 550X.

Counting Rules

	Minimum Aspect Ratio	Minimum Length	Minimum Width	Minimum Required Analytical Sensitivity	Stopping Rules
PCM	3:1	5.0 μm	0.25 - 3.0 μm	NA	100 Structures
Other	5:1	0.5 μm	NA	NA	100 Structures

Disclaimer

This test report relates only to the items tested in this report. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please do not hesitate to call me. Thank you for allowing the staff at Lab/Cor, Inc. the opportunity to provide you with analytical services.

Sincerely,

John Harris
Laboratory Director

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

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Client Information	
Project Name:	START-2 Portland OR
Project No.:	001281.0293.01RS
	TDD 03-07-0011
P. O. No.:	100066-S10
Sample Type:	Air

Tracking Information			
Login:	Jul 26, 2004	*By:*	DJ
Prep:	Jul 26, 2004	*By:*	MQ
Verified:	Jul 26, 2004	*By:*	MQ
Reviewed:	Aug 5, 2004	*By:*	KM
Final Review:	Sep 8, 2004	*By:*	KM
Revision#1:	Sep 28, 2004	*By:*	JH
Revision #2:	Oct. 19, 2004	*By:*	JH

Analysis Information	
Analysis Type:	ISO
Reference No.:	10312
Min. Aspect Ratio:	3:1(PCM), 5:1(Other)
Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

FINAL TABLE

Transmission Electron Microscopy – ISO 10312 (Direct) – Air Sample Analysis

Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-02	04070004	PRIMARY STRUCTURES	6.77	697.66	562.93 – 832.40	103	6.77	58.8	83	385	0.9667	JH	7/28/04
		ASBESTOS STRUCTURES	6.77	724.76	587.43 – 862.09	107							
Air		ASBESTOS STRUCTURES > 5 µm	6.77	298.03	209.97 – 386.09	44							
		ASB. FIBERS & BUNDLES > 5 µm	6.77	88.05	46.89 – 150.58	13							
		PCM EQUIVALENT STRUCTURES	6.77	47.41	19.06 – 97.69	7							
		PCM EQUIVALENT FIBERS	42.67	42.67	42.67 – 48.94	2							
		PROTOCOL ASB STRUCS 5-10	6.77	67.73	32.48 – 124.57	10							
		PROTOCOL ASB STRUCS >10	6.77	20.32	6.77 – 59.38	3							
		PROTOCOL ASB STRUCS TOTAL	6.77	88.05	46.89 – 150.58	13							
		PROTOCOL CHRYS STRUCS 5-10	6.77	67.73	32.48 – 124.57	10							
		PROTOCOL CHRYS STRUCS >10	6.77	20.32	6.77 – 59.38	3							
		PROTOCOL CHRYS STRUCS TOTAL	6.77	88.05	46.89 – 150.58	13							
		PROTOCOL AMPH STRUCS 5-10	<20.25	<20.25	20.25 – 24.99	0							
		PROTOCOL AMPH STRUCS >10	<20.25	<20.25	20.25 – 24.99	0							
		PROTOCOL AMPH STRUCS TOTAL	<20.25	<20.25	20.25 – 24.99	0							

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Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

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Transmission Electron Microscopy – ISO 10312 (Direct) – Air Sample Analysis

Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-04	04070006	PRIMARY STRUCTURES	14.50	1464.27	1178.70 – 1749.85	101	14.50	61.09	30	193	0.4347	KM	8/30/04
Air		ASBESTOS STRUCTURES	14.50	1493.27	1204.88 – 1781.66	103							
		ASBESTOS STRUCTURES > 5 µm	14.50	550.91	375.75 – 726.08	38							
		ASB. FIBERS & BUNDLES > 5 µm	14.50	86.99	31.92 – 189.34	6							
		PCM EQUIVALENT STRUCTURES	14.50	57.99	15.80 – 148.49	4							
		PCM EQUIVALENT FIBERS	68.72	68.72	68.72 – 80.78	1							
		PROTOCOL ASB STRUCS 5-10	14.50	86.99	31.92 – 189.34	6							
		PROTOCOL ASB STRUCS >10	<43.35	<43.35	43.35 – 53.48	0							
		PROTOCOL ASB STRUCS TOTAL	14.50	86.99	31.92 – 189.34	6							
		PROTOCOL CHRYS STRUCS 5-10	<43.35	<43.35	43.35 – 53.48	0							
		PROTOCOL CHRYS STRUCS >10	<43.35	<43.35	43.35 – 53.48	0							
		PROTOCOL CHRYS STRUCS TOTAL	<43.35	<43.35	43.35 – 53.48	0							
		PROTOCOL AMPH STRUCS 5-10	<43.35	<43.35	43.35 – 53.48	0							
		PROTOCOL AMPH STRUCS >10	<43.35	<43.35	43.35 – 53.48	0							
		PROTOCOL AMPH STRUCS TOTAL	<43.35	<43.35	43.35 – 53.48	0							

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Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

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Transmission Electron Microscopy – ISO 10312 (Direct) – Air Sample Analysis

Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-05	04070012	PRIMARY STRUCTURES	3.05	112.74	76.41 – 149.07	37	3.05	105.06	83	385	1.2027	KM	8/1/04
		ASBESTOS STRUCTURES	3.05	127.98	89.27 – 166.68	42							
Air		ASBESTOS STRUCTURES > 5 µm	3.05	39.61	21.09 – 67.74	13							
		ASB. FIBERS & BUNDLES > 5 µm	19.20	19.20	19.20 – 22.01	2							
		PCM EQUIVALENT STRUCTURES	3.05	12.19	3.32 – 31.21	4							
		PCM EQUIVALENT FIBERS	14.44	14.44	14.44 – 16.98	1							
		PROTOCOL ASB STRUCS 5-10	3.05	3.05	3.05 – 16.98	1							
		PROTOCOL ASB STRUCS >10	9.11	<9.11	9.11 – 11.24	0							
		PROTOCOL ASB STRUCS TOTAL	3.05	3.05	3.05 – 16.98	1							
		PROTOCOL CHRYS STRUCS 5-10	3.05	3.05	3.05 – 16.98	1							
		PROTOCOL CHRYS STRUCS >10	9.11	<9.11	9.11 – 11.24	0							
		PROTOCOL CHRYS STRUCS TOTAL	3.05	3.05	3.05 – 16.98	1							
		PROTOCOL AMPH STRUCS 5-10	9.11	<9.11	9.11 – 11.24	0							
		PROTOCOL AMPH STRUCS >10	9.11	<9.11	9.11 – 11.24	0							
		PROTOCOL AMPH STRUCS TOTAL	9.11	<9.11	9.11 – 11.24	0							

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Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

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Transmission Electron Microscopy – ISO 10312 (Direct) – Air Sample Analysis

Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-07	04070014	PRIMARY STRUCTURES	2.93	52.67	31.21 – 83.24	18	2.93	112.11	81	385	1.1737	KM	8/2/04
		ASBESTOS STRUCTURES	2.93	52.67	31.21 – 83.24	18							
Air		ASBESTOS STRUCTURES > 5 µm	2.93	26.33	12.04 – 49.99	9							
		ASB. FIBERS & BUNDLES > 5 µm	22.68	22.68	22.68 – 25.65	3							
		PCM EQUIVALENT STRUCTURES	18.43	18.43	18.43 – 21.14	2							
		PCM EQUIVALENT FIBERS	8.75	<8.75	8.75 – 10.79	0							
		PROTOCOL ASB STRUCS 5-10	2.93	5.85	2.93 – 21.14	2							
		PROTOCOL ASB STRUCS >10	2.93	2.93	2.93 – 16.30	1							
		PROTOCOL ASB STRUCS TOTAL	2.93	8.78	2.93 – 25.65	3							
		PROTOCOL CHRYS STRUCS 5-10	2.93	5.85	2.93 – 21.14	2							
		PROTOCOL CHRYS STRUCS >10	2.93	2.93	2.93 – 16.30	1							
		PROTOCOL CHRYS STRUCS TOTAL	2.93	8.78	2.93 – 25.65	3							
		PROTOCOL AMPH STRUCS 5-10	8.75	<8.75	8.75 – 10.79	0							
		PROTOCOL AMPH STRUCS >10	8.75	<8.75	8.75 – 10.79	0							
		PROTOCOL AMPH STRUCS TOTAL	8.75	<8.75	8.75 – 10.79	0							

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Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

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040827-08	04070015	PRIMARY STRUCTURES	3.12	193.73	145.50 – 241.95	62	3.12	103.70	82	385	1.1882	KM	8/3/04
		ASBESTOS STRUCTURES	3.12	215.60	164.73 – 266.47	69							
Air		ASBESTOS STRUCTURES > 5 µm	3.12	106.24	70.53 – 141.95	34							
		ASB. FIBERS & BUNDLES > 5 µm	3.12	43.74	23.92 – 73.40	14							
		PCM EQUIVALENT STRUCTURES	3.12	18.75	6.88 – 40.81	5							
		PCM EQUIVALENT FIBERS	19.69	19.69	19.69 – 22.58	2							
		PROTOCOL ASB STRUCS 5-10	3.12	28.12	12.86 – 53.38	9							
		PROTOCOL ASB STRUCS >10	3.12	15.62	5.07 – 36.46	5							
		PROTOCOL ASB STRUCS TOTAL	3.12	43.74	23.92 – 73.40	14							
		PROTOCOL CHRYS STRUCS 5-10	3.12	28.12	12.86 – 53.38	9							
		PROTOCOL CHRYS STRUCS >10	3.12	15.62	5.07 – 36.46	5							
		PROTOCOL CHRYS STRUCS TOTAL	3.12	43.74	23.92 – 73.40	14							
		PROTOCOL AMPH STRUCS 5-10	9.34	<3.12	9.34 – 11.53	0							
		PROTOCOL AMPH STRUCS >10	9.34	<3.12	9.34 – 11.53	0							
		PROTOCOL AMPH STRUCS TOTAL	9.34	<3.12	9.34 – 11.53	0							

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Min. Aspect Ratio:	3:1(PCM), 5:1(Other)
Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

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Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-10	04070018	PRIMARY STRUCTURES	3.32	208.87	157.29 – 260.45	63	3.32	82.62	97	385	1.4055	KM	8/4/04
		ASBESTOS STRUCTURES	3.32	222.13	168.94 – 275.32	67							
Air		ASBESTOS STRUCTURES > 5 µm	3.32	69.62	43.10 – 106.43	21							
		ASB. FIBERS & BUNDLES > 5 µm	3.32	13.26	3.61 – 33.96	4							
		PCM EQUIVALENT STRUCTURES	25.69	25.69	25.69 – 29.07	3							
		PCM EQUIVALENT FIBERS	9.91	<9.91	9.91 – 12.23	0							
		PROTOCOL ASB STRUCS 5-10	3.32	13.26	3.61 – 33.96	4							
		PROTOCOL ASB STRUCS >10	9.91	<9.91	9.91 – 12.23	0							
		PROTOCOL ASB STRUCS TOTAL	3.32	13.26	3.61 – 33.96	4							
		PROTOCOL CHRYS STRUCS 5-10	3.32	13.26	3.61 – 33.96	4							
		PROTOCOL CHRYS STRUCS >10	9.91	<9.91	9.91 – 12.23	0							
		PROTOCOL CHRYS STRUCS TOTAL	3.32	13.26	3.61 – 33.96	4							
		PROTOCOL AMPH STRUCS 5-10	9.91	<9.91	9.91 – 12.23	0							
		PROTOCOL AMPH STRUCS >10	9.91	<9.91	9.91 – 12.23	0							
		PROTOCOL AMPH STRUCS TOTAL	9.91	<9.91	9.91 – 12.23	0							

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040827-11	04070019	PRIMARY STRUCTURES	3.34	203.50	152.43 – 254.57	61	3.34	81.27	98	385	1.4200	DW/KM	8/4/04
		ASBESTOS STRUCTURES	3.34	240.20	184.71 – 295.68	72							
Air		ASBESTOS STRUCTURES > 5 µm	3.34	86.74	56.66 – 127.09	26							
		ASB. FIBERS & BUNDLES > 5 µm	3.34	13.34	3.64 – 34.17	4							
		PCM EQUIVALENT STRUCTURES	21.02	21.02	21.02 – 24.10	2							
		PCM EQUIVALENT FIBERS	9.97	<9.97	9.97 – 12.31	0							
		PROTOCOL ASB STRUCS 5-10	3.34	13.34	3.64 – 34.17	4							
		PROTOCOL ASB STRUCS >10	9.97	<9.97	9.97 – 12.31	0							
		PROTOCOL ASB STRUCS TOTAL	3.34	13.34	3.64 – 34.17	4							
		PROTOCOL CHRYS STRUCS 5-10	3.34	10.01	3.64 – 29.25	3							
		PROTOCOL CHRYS STRUCS >10	9.97	<9.97	9.97 – 12.31	0							
		PROTOCOL CHRYS STRUCS TOTAL	3.34	10.01	3.64 – 29.25	3							
		PROTOCOL AMPH STRUCS 5-10	9.97	<9.97	9.97 – 12.31	0							
		PROTOCOL AMPH STRUCS >10	9.97	<9.97	9.97 – 12.31	0							
		PROTOCOL AMPH STRUCS TOTAL	9.97	<9.97	9.97 – 12.31	0							

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Analysis Type:	ISO
Reference No.:	10312
Min. Aspect Ratio:	3:1(PCM), 5:1(Other)
Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

FINAL TABLE

Transmission Electron Microscopy – ISO 10312 (Direct) – Air Sample Analysis

Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-13	04070023	PRIMARY STRUCTURES	9.63	9.63	9.63 – 11.32	1	2.03	4702.5	4	385	0.0403	KM	7/27/04
		ASBESTOS STRUCTURES	9.63	9.63	9.63 – 11.32	1							
Air		ASBESTOS STRUCTURES > 5 µm	9.63	9.63	9.63 – 11.32	1							
		ASB. FIBERS & BUNDLES > 5 µm	6.07	<6.07	6.07 – 7.49	0							
		PCM EQUIVALENT STRUCTURES	6.07	<6.07	6.07 – 7.49	0							
		PCM EQUIVALENT FIBERS	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL ASB STRUCS 5-10	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL ASB STRUCS >10	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL ASB STRUCS TOTAL	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL CHRYS STRUCS 5-10	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL CHRYS STRUCS >10	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL CHRYS STRUCS TOTAL	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL AMPH STRUCS 5-10	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL AMPH STRUCS >10	6.07	<6.07	6.07 – 7.49	0							
		PROTOCOL AMPH STRUCS TOTAL	6.07	<6.07	6.07 – 7.49	0							

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 *Report Date:* October 19, 2004

Client Information	
Project Name:	START-2 Portland OR
Project No.:	001281.0293.01RS
	TDD 03-07-0011
P. O. No.:	100066-S10
Sample Type:	Air

Tracking Information			
Login:	Jul 26, 2004	*By:*	DJ
Prep:	Jul 26, 2004	*By:*	MQ
Verified:	Jul 26, 2004	*By:*	MQ
Reviewed:	Aug 5, 2004	*By:*	KM
Final Review:	Sep 8, 2004	*By:*	KM
Revision#1:	Sep 28, 2004	*By:*	JH
Revision #2:	Oct. 19, 2004	*By:*	JH

Analysis Information	
Analysis Type:	ISO
Reference No.:	10312
Min. Aspect Ratio:	3:1(PCM), 5:1(Other)
Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

FINAL TABLE

Transmission Electron Microscopy – ISO 10312 (Direct) – Air Sample Analysis

Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-14	04070024	PRIMARY STRUCTURES	<5.29	<5.29	5.29 – 6.53	0	1.77	5400	4	385	0.0403	KM	7/27/04
		ASBESTOS STRUCTURES	<5.29	<5.29	5.29 – 6.53	0							
Air		ASBESTOS STRUCTURES > 5 µm	<5.29	<5.29	5.29 – 6.53	0							
		ASB. FIBERS & BUNDLES > 5 µm	<5.29	<5.29	5.29 – 6.53	0							
		PCM EQUIVALENT STRUCTURES	<5.29	<5.29	5.29 – 6.53	0							
		PCM EQUIVALENT FIBERS	<5.29	<5.29	5.29 – 6.53	0							
		PROTOCOL ASB STRUCS 5-10	1.77	<1.77	1.77 – 6.53	0							
		PROTOCOL ASB STRUCS >10	1.77	<1.77	1.77 – 6.53	0							
		PROTOCOL ASB STRUCS TOTAL	1.77	<1.77	1.77 – 6.53	0							
		PROTOCOL CHRYS STRUCS 5-10	1.77	<1.77	1.77 – 6.53	0							
		PROTOCOL CHRYS STRUCS >10	1.77	<1.77	1.77 – 6.53	0							
		PROTOCOL CHRYS STRUCS TOTAL	1.77	<1.77	1.77 – 6.53	0							
		PROTOCOL AMPH STRUCS 5-10	1.77	<1.77	1.77 – 6.53	0							
		PROTOCOL AMPH STRUCS >10	1.77	<1.77	1.77 – 6.53	0							
		PROTOCOL AMPH STRUCS TOTAL	1.77	<1.77	1.77 – 6.53	0							

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 *Report Date:* October 19, 2004

Client Information	
Project Name:	START-2 Portland OR
Project No.:	001281.0293.01RS
	TDD 03-07-0011
P. O. No.:	100066-S10
Sample Type:	Air

Tracking Information			
Login:	Jul 26, 2004	*By:*	DJ
Prep:	Jul 26, 2004	*By:*	MQ
Verified:	Jul 26, 2004	*By:*	MQ
Reviewed:	Aug 5, 2004	*By:*	KM
Final Review:	Sep 8, 2004	*By:*	KM
Revision#1:	Sep 28, 2004	*By:*	JH
Revision #2:	Oct. 19, 2004	*By:*	JH

Analysis Information	
Analysis Type:	ISO
Reference No.:	10312
Min. Aspect Ratio:	3:1(PCM), 5:1(Other)
Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

FINAL TABLE

Transmission Electron Microscopy – ISO 10312 (Direct) – Air Sample Analysis

Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-15	04070025	PRIMARY STRUCTURES	6.53	<6.53	6.53 – 8.18	0	2.22	4310	4	385	0.0403	KM	7/27/04
		ASBESTOS STRUCTURES	6.53	<6.53	6.53 – 8.18	0							
Air		ASBESTOS STRUCTURES > 5 µm	6.53	<6.53	6.53 – 8.18	0							
		ASB. FIBERS & BUNDLES > 5 µm	6.53	<6.53	6.53 – 8.18	0							
		PCM EQUIVALENT STRUCTURES	6.53	<6.53	6.53 – 8.18	0							
		PCM EQUIVALENT FIBERS	6.53	<6.53	6.53 – 8.18	0							
		PROTOCOL ASB STRUCS 5-10	2.22	<2.22	2.22 – 8.18	0							
		PROTOCOL ASB STRUCS >10	2.22	<2.22	2.22 – 8.18	0							
		PROTOCOL ASB STRUCS TOTAL	2.22	<2.22	2.22 – 8.18	0							
		PROTOCOL CHRYS STRUCS 5-10	2.22	<2.22	2.22 – 8.18	0							
		PROTOCOL CHRYS STRUCS >10	2.22	<2.22	2.22 – 8.18	0							
		PROTOCOL CHRYS STRUCS TOTAL	2.22	<2.22	2.22 – 8.18	0							
		PROTOCOL AMPH STRUCS 5-10	2.22	<2.22	2.22 – 8.18	0							
		PROTOCOL AMPH STRUCS >10	2.22	<2.22	2.22 – 8.18	0							
		PROTOCOL AMPH STRUCS TOTAL	2.22	<2.22	2.22 – 8.18	0							

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 *Report Date:* October 19, 2004

Client Information	
Project Name:	START-2 Portland OR
Project No.:	001281.0293.01RS TDD 03-07-0011
P. O. No.:	100066-S10
Sample Type:	Air

Tracking Information			
Login:	Jul 26, 2004	*By:*	DJ
Prep:	Jul 26, 2004	*By:*	MQ
Verified:	Jul 26, 2004	*By:*	MQ
Reviewed:	Aug 5, 2004	*By:*	KM
Final Review:	Sep 8, 2004	*By:*	KM
Revision#1:	Sep 28, 2004	*By:*	JH
Revision #2:	Oct. 19, 2004	*By:*	JH

Analysis Information	
Analysis Type:	ISO
Reference No.:	10312
Min. Aspect Ratio:	3:1(PCM), 5:1(Other)
Min. Length:	5.0 µm (PCM) 0.5 µm (Other)
Min. Width:	0.25 - 3.0 µm (PCM) NA (Other)

FINAL TABLE

Transmission Electron Microscopy – ISO 10312 (Direct) – Air Sample Analysis

Lab/Cor Sample No.	Client Sample No.	Structure Type	Detection Limit (str/L)	Concen-tration (struc/L)	95% Confidence Interval (struc/L)	Struc. Count	Analytical Sens. (struc/L)	Volume (L)	Number of Grid Openings	Filter Area (mm^2)	Area Analyzed (mm^2)	Analyst	Analysis Date
040827-16	04070026	PRIMARY STRUCTURES	NA	NA	NA	0	NA	0	10	385	0.01007	KM	7/27/04
		ASBESTOS STRUCTURES	NA	NA	NA	0							
Air		ASBESTOS STRUCTURES > 5 µm	NA	NA	NA	0							
		ASB. FIBERS & BUNDLES > 5 µm	NA	NA	NA	0							
		PCM EQUIVALENT STRUCTURES	NA	NA	NA	0							
		PCM EQUIVALENT FIBERS	NA	NA	NA	0							
		PROTOCOL ASB STRUCS 5-10	NA	NA	NA	0							
		PROTOCOL ASB STRUCS >10	NA	NA	NA	0							
		PROTOCOL ASB STRUCS TOTAL	NA	NA	NA	0							
		PROTOCOL CHRYS STRUCS 5-10	NA	NA	NA	0							
		PROTOCOL CHRYS STRUCS >10	NA	NA	NA	0							
		PROTOCOL CHRYS STRUCS TOTAL	NA	NA	NA	0							
		PROTOCOL AMPH STRUCS 5-10	NA	NA	NA	0							
		PROTOCOL AMPH STRUCS >10	NA	NA	NA	0							
		PROTOCOL AMPH STRUCS TOTAL	NA	NA	NA	0							

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	A20	1		CDQ	MD10		14	6	2.3					1		1												
				1	CDQ		MB	3.5	0.3	11.7	614	407	MG,SI			1													
	2	A22	NSD																										
	3	A42	NSD																										
	4	B10	2	2	CDQ	F		2.7	0.1	27.0					1	1													
			3	3	CMQ	F		2.7	0.06	45.0					1	1													
	5	B41	NSD																										
	6	B43	NSD																										
	7	b24	nsd																										
	8	B3	5		CDQ	MD10		7	4	1.8					1		1												
				5	CDQ		MF	1.2	0.04	30.0						1													
	9	C10	6	6	CDQ	B		1.5	0.3	5.0					1	1													
			7	7	CMQ	F		1	0.05	20.0					1	1													
	10	C22	8	8	CMQ	F		7	0.1	70.0					1	1	1	1			1		1	1		1			
	11	C34	NSD																										
	12	C42	9	9	CDQ	F		1.5	0.1	15.0					1	1													
			10	10	CDQ	F		1.8	0.1	18.0					1	1													
			11	11	CDQ	F		0.7	0.1	7.0					1	1													
	13	C30	12	12	CDQ	B		14	0.4	35.0					1	1	1	1	1	1		1	1		1	1			
			13	13	CDQ	F		8	0.2	40.0					1	1	1	1			1		1	1		1			
	14	D20	14		CDQ	MD10		25	15	1.7					1		1												
				14			MF	1.1	0.05	22.0						1													

PAS = Primary Asbestos Structures
TAS – Total Asbestos Structures
AS>5 = Asbestos Structure >5µ
AFB>5µ = Asbestos Fibers and Bundles >5µ
PCMES=PCM Equivalent Structures
PCMEF = PCM Equivalent Fibers
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSAS >10 = Protocol Asbestos Structures >10µ
PSAS TOT = Protocol Asbestos Structures Total
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSCH TOT = Protocol Chrysotile Structures Total
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
PSAM >10 = Protocol Amphibole Structures >10µ
PSAM TOT = Protocol Amphibole Structures Total
CHRYS = Chrysotile Structure
TREMO. = Tremolite Structure
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	15	D33	15	15	CDQ	F		4	0.06	66.7					1	1													
	16	D13	NSD																										
	17	D1	NSD																										
	18	A13	NSD																										
	19	A40	16	16	CMQ	F		2.6	0.06	43.3					1	1													
	20	B21	NSD																										
	21	B33	NSD																										
	22	B3	NSD																										
	23	B1	17		CDQ	MD11		15	3.5	4.3					1		1												
				17	CDQ		MF	12	0.1	120.0	616	409	MG,SI			1	1	1				1	1		1	1			
	24	C13	18		CDQ	MD10		10	5	2.0					1		1												
				18	CDQ		MF	1.6	0.09	17.8						1													
			19		CDQ	MD10		3.5	1	3.5					1														
				19			MF	1.6	0.1	16.0						1													
	25	C32	20		CMQ	MD10		13	6	2.2					1		1												
				20	CMQ		MF	1.7	0.06	28.3						1													
			21		CMQ	MD11		7	1.5	4.7					1		1		1										
				21	CMQ		MF	5.1	0.1	51.0						1	1	1			1		1	1		1			
	26	C40	NSD																										
	27	C11	NSD																										
	28	C14	22	22	CDQ	F		4	0.15	26.7					1	1													
B	29	C24	23		CDQ	MD10		8	3.5	2.3					1		1												

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				23	CDQ		MF	3.5	0.12	29.2						1													
			24	24	CDQ	F		8	0.1	80.0					1	1	1	1			1		1	1		1			
			25		CDQ	MD10		8	3.5	2.3					1		1												
				25	CDQ		MF	4	0.15	26.7						1													
			26		CMQ	MD11		7.5	5	1.5					1		1												
				26	CMQ		MF	5	0.15	33.3						1													
	30	C23	27	27	CMQ	F		3	0.12	25.0					1	1													
	31	C33	28		CMQ	MD10		2	1	2.0					1														
				28	CMQ		MF	2	0.12	16.7						1													
	32	C43	29	29	CDQ	F		1	0.12	8.3					1	1													
	33	B43	NSD																										
	34	B33	30		CMQ	MD10		5.5	2.5	2.2					1		1												
				30	CMQ		MF	2	0.1	20.0						1													
			31		CMQ	MD10		3.5	1	3.5					1														
				31	CMQ		MF	0.8	0.1	8.0						1													
	35	B13	32	32	CDQ	B		8	0.2	40.0					1	1	1	1			1		1	1		1			
			33		CMQ	MD10		8	6	1.3					1		1												
				33	CMQ		MF	1	0.15	6.7						1													
			34		CMQ	MD10		4	1	4.0					1														
				34	CMQ		MF	1	0.1	10.0						1													
	36	B3	NSD																										
	37	B2	35	35	CDQ	F		4	0.1	40.0					1	1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	38	C2	36	36	CMQ	F		2	0.1	20.0					1	1													
			37	37	CMQ	F		4	0.12	33.3					1	1													
	39	C12	38	38	CMQ	F		1.8	0.1	18.0					1	1													
			39		CDQ	MD10		5	1	5.0					1														
				39	CDQ		MF	4	0.1	40.0						1													
	40	C22	NSD																										
	41	C10	NSD																										
	42	C20	NSD																										
	43	A41	40		CMQ	MD10		5.5	4	1.4					1		1												
				40	CMQ		MF	1	0.08	12.5						1													
	44	A31	41		CMQ	MD10		4	2	2.0					1														
				41	CMQ		MF	1.8	0.12	15.0						1													
	45	A21	42		CDQ	MD10		8	5	1.6					1		1												
				42	CDQ		MF	1	0.05	20.0						1													
	46	A11	NSD																										
	47	D41	43	43	CDQ	F		5	0.2	25.0					1	1													
			44	44	CDQ	F		11	0.15	73.3					1	1	1	1				1	1		1	1			
			45		CDQ	MD20		11	5	2.2					1		1												
				45	CDQ		MF	4	0.08	50.0						1													
				46	CDQ		MF	3.8	0.1	38.0						1													
	48	A42	46		CMQ	MD10		4.5	1.8	2.5					1														
				47	CMQ		MF	0.8	0.1	8.0						1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	49	A32	47		CDQ	MD11		7	2.5	2.8					1		1												
				48	CDQ		MF	6	0.05	120.0						1	1	1			1		1	1		1			
	50	A22	48	49	CDQ	MC+0		8	4	2.0					1	1	1												
			49		CMQ	MD10		4	1.5	2.7					1														
				50	CMQ		MF	0.8	0.15	5.3						1													
	51	A12	50	51	CMQ	F		1.2	0.1	12.0					1	1													
	52	A2	NSD																										
	53	D2	51	52	CMQ	F		1	0.1	10.0					1	1													
	54	D22	52		CDQ	MD10		8	1.5	5.3					1		1		1										
				53	CDQ		MF	8	0.12	66.7						1	1	1			1		1	1		1			
			53	54	CMQ	B		2.5	0.5	5.0					1	1													
	55	D32	54		CDQ	MD10		7	4	1.8					1		1												
				55	CDQ		MF	1.5	0.1	15.0						1													
	56	D42	NSD																										
	57	A33	55	56	CMQ	F		2	0.1	20.0					1	1													
			56		CMQ	MD10		3.5	1	3.5					1														
				57	CMQ		MF	1	0.05	20.0						1													
C	58	B14	57	58	CMQ	F		2.5	0.1	25.0					1	1													
			58	59	CDQ	F		1.8	0.1	18.0					1	1													
	59	B4	59	60	CMQ	F		4	0.1	40.0					1	1													
			60	61	CMQ	F		4.5	0.1	45.0					1	1													
			61	62	CMQ	F		0.8	0.15	5.3					1	1													

PAS = Primary Asbestos Structures
TAS – Total Asbestos Structures
AS>5 = Asbestos Structure >5µ
AFB>5µ = Asbestos Fibers and Bundles >5µ
PCMES=PCM Equivalent Structures
PCMEF = PCM Equivalent Fibers
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSAS >10 = Protocol Asbestos Structures >10µ
PSAS TOT = Protocol Asbestos Structures Total
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSCH TOT = Protocol Chrysotile Structures Total
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
PSAM >10 = Protocol Amphibole Structures >10µ
PSAM TOT = Protocol Amphibole Structures Total
CHRYS = Chrysotile Structure
TREMO. = Tremolite Structure
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			62	63	CMQ	F		1	0.1	10.0					1	1													
	60	C4	63	64	CMQ	F		1	0.1	10.0					1	1													
			64	65	CMQ	F		1	0.08	12.5					1	1													
	61	B13	65	66	CDQ	F		1.2	0.1	12.0					1	1													
	62	B3	NSD																										
	63	C3	66		CDQ	MD10		3.5	0.8	4.4					1														
				67	CDQ		MF	3	0.1	30.0						1													
	64	C13	67		CMQ	MD10		10	5	2.0					1		1												
				68	CMQ		MF	1.5	0.03	50.0						1													
			68		CMQ	MD10		13	10	1.3					1		1												
				69	CMQ		MF	4	0.11	36.4						1													
	65	B2	69	70	CMQ	F		4	0.08	50.0					1	1													
			70		CMQ	MD10		2	0.8	2.5					1														
				71	CMQ		MF	1	0.1	10.0						1													
			71		CMQ	MD10		10	6	1.7					1		1												
				72	CMQ		MF	0.8	0.12	6.7						1													
			72		CDQ	MD11		9	1	9.0					1		1		1										
				73	CDQ		MF	8	0.15	53.3						1	1	1			1		1	1		1			
	66	C2	73		CMQ	MD10		3	1	3.0					1														
				74	CMQ		MF	1.2	0.1	12.0						1													
	67	C12	74		CMQ	MD10		5.5	3.5	1.6					1		1												
				75	CMQ		MF	1	0.08	12.5						1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	68	B21	75	76	CDQ	B		5.5	0.35	15.7					1	1	1	1	1	1	1		1	1		1			
	69	B11	NSD																										
	70	B1	NSD																										
	71	C1	76		CMQ	MD20		7	2	3.5					1		1		1										
				77	CMQ		MF	3	0.1	30.0						1													
				78	CMQ		MF	0.8	0.1	8.0						1													
			77	79	CDQ	F		2.2	0.12	18.3					1	1													
			78	80	CMQ	F		2	0.08	25.0					1	1													
	72	C11	79	81	CDQ	F		3.8	0.2	19.0					1	1													
			80		CMQ	MD10		4	0.8	5.0					1														
				82	CMQ		MF	3	0.1	30.0						1													
			81	83	CDQ	F		1	0.1	10.0					1	1													
			82		CMQ	MD10		3.8	1	3.8					1														
				84	CMQ		MF	3.8	0.12	31.7						1													
			83	85	CDQ	F		2	0.1	20.0					1	1													
	73	C10	84		CMQ	MD11		8	1.5	5.3					1		1		1										
				86	CMQ		MF	6	0.11	54.5						1	1	1			1		1	1		1			
			85	87	CMQ	F		1	0.1	10.0					1	1													
			86	88	CDQ	F		4	0.11						1	1													
			87		CMQ	MD10		2	0.8	2.5					1														
				89	CMQ		MF	0.8	0.1	8.0						1													
	74	A20	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	75	A10	88		CMQ	MD10		3	1	3.0					1														
				90	CMQ		MF	0.8	0.08	10.0						1													
	76	D20	89	91	CMQ	F		1.5	0.1	15.0					1	1													
	77	D11	NSD																										
	78	D21	90	92	CMQ	F		1.5	0.11	13.6					1	1													
			91	93	CMQ	F		4	0.1	40.0					1	1													
			92		CMQ	MD10		2	1.5	1.3					1														
				94	CMQ		MF	0.8	0.15	5.3						1													
	79	D31	93		CDQ	MD10		25	8	3.1					1		1												
				95	CDQ		MF	3.5	0.1	35.0						1													
	80	D41	94	96	CDQ	F		3.8	0.1	38.0					1	1													
			95	97	CMQ	F		2.5	0.1	25.0					1	1													
	81	A12	NSD																										
	82	A2	96		CMQ	MD10		2.5	2	1.3					1														
				98	CMQ		MF	2	0.1	20.0						1													
	83	D2	97		CMQ	MD10		7	6	1.2					1		1												
				99	CMQ		MF	0.8	0.1	8.0						1													
			98		CMQ	MD10		5	2	2.5					1														
				100	CMQ		MF	2.5	0.11	22.7						1													
	84	D12	99		CMQ	MD20		6	3	2.0					1		1												
				101	CMQ		MF	2	0.1	20.0						1													
				102	CMQ		MF	1	0.1	10.0						1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
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FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-02
Project Name: START-2 Portland OR | *Analyst:* JH
Sample No.: 04070004 | *Analysis Date:* Jul 27, 2004
Description: CP3-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			100		CMQ	MD20		8	4	2.0					1		1												
				103	CMQ		MF	1	0.1	10.0						1													
				104	CMQ		MF	0.6	0.11	5.5						1													
			101		CDQ	MD10		5	4	1.3					1														
				105	CDQ		MF	0.8	0.1	8.0						1													
			102		CDQ	MD10		8	5	1.6					1		1												
				106	CDQ		MF	3	0.1	30.0						1													
			103		CMQ	MD10		3.5	1	3.5					1														
				107	CMQ		MF	3.5	0.08	43.8						1													
			104	108	CMQ	F		3	0.1	30.0					1	1													
			104	108											103	107	44	13	7	2	10	3	13	10	3	13	0	0	0

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-04
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070006 | *Analysis Date:* Aug 30, 2004
Description: CP4-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	B34	1	1	CDQ	F		0.7	0.03	23.3			MG,SI		1	1													
			2		CDQ	MD10		7	2.5	2.8					1		1												
				2	CDQ		MF	2.5	0.15	16.7	707	469	MG,SI			1													
			3		CDQ	MD10		2	1.5	1.3					1														
				3	CDQ		MF	0.6	0.05	12.0						1													
			4	4	CDQ	F		1	0.1	10.0			MG,SI		1	1													
			5	5	CDQ	F		0.8	0.1	8.0					1	1													
			6	6	CDQ	F		0.7	0.03	23.3					1	1													
	2	B14	7		CMQ	MD10		8	3.5	2.3					1		1												
				7	CMQ		MF	0.8	0.11	7.3						1													
			8		CMQ	MD10		6.3	4	1.6					1		1												
				8	CMQ		MF	0.8	0.1	8.0						1													
	3	C4	9	9	CMQ	F		0.7	0.05	14.0					1	1													
			10		CMQ	MD10		3	1	3.0					1														
				10	CMQ		MF	1.2	0.1	12.0			MG,SI			1													
			11		CDQ	MD10		4.5	1.5	3.0					1														
				11	CDQ		MF	1.5	0.08	18.8						1													
			12		CMQ	MD10		4.5	1.5	3.0					1														
				12	CMQ		MF	0.8	0.1	8.0						1													
			13	13	CMQ	F		0.8	0.08	10.0					1	1													
	4	B33	14		CDQ	MD10		2.5	0.5	5.0					1														
				14	CDQ		MF	1	0.1	10.0			MG,SI			1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-04
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070006 | *Analysis Date:* Aug 30, 2004
Description: CP4-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			15	15	CDQ	F		2.2	0.1	22.0					1	1													
			16	16	CDQ	F		2.3	0.15	15.3					1	1													
			17		CMQ	MD10		7	1.5	4.7					1		1		1										
				17	CMQ		MF	4.8	0.08	60.0						1													
	5	B23	18		CDQ	MD10		9	5	1.8					1		1												
				18	CDQ		MF	2	0.15	13.3						1													
			19		CDQ	MD10		10	10	1.0					1		1												
				19	CDQ		MF	0.8	0.1	8.0			MG,SI			1													
			20	20	CMQ	F		1	0.05	20.0					1	1													
			21	21	CMQ	B		2	0.2	10.0					1	1													
	6	B3	22		CMQ	MD10		7	1	7.0					1		1		1										
				22	CMQ		MF	3.8	0.1	38.0						1													
			23	23	CMQ	F		1.5	0.08	18.8					1	1													
			24	24	CMQ	F		4.8	0.1	48.0					1	1													
			25		CDQ	MD10		10	5	2.0					1		1												
				25	CDQ		MB	7	0.2	35.0			MG,SI			1	1	1			1		1						
	7	C13	26	26	CDQ	F		3.5	0.1	35.0					1	1													
			27	27	CMQ	F		0.7	0.11	6.4					1	1													
	8	C33	28	28	CMQ	F		1	0.1	10.0					1	1													
			29	29	CMQ	MD10		6	1	6.0					1	1	1		1										
					CMQ		MF	4	0.1	40.0																			
			30	30	CMQ	B		3.5	0.2	17.5					1	1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-04
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070006 | *Analysis Date:* Aug 30, 2004
Description: CP4-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			31		CMQ	MD10		3	0.8	3.8					1														
				31	CMQ		MF	2	0.1	20.0			MG,SI			1													
			32		CDQ	MD10		4	1	4.0					1														
				32	CDQ		MF	0.7	0.08	8.8						1													
	9	A41	33		CMQ	MD10		4.5	2.5	1.8					1														
				33	CMQ		MF	0.8	0.08	10.0						1													
			34	34	CMQ	F		1	0.08	12.5					1	1													
			35	35	CMQ	F		0.8	0.08	10.0					1	1													
	10	A21	36		CMQ	MD10		9	5	1.8					1		1												
				36	CMQ		MF	9	0.1	90.0			MG,SI			1	1	1			1		1						
			37		CMQ	MD10		13	7	1.9					1		1												
				37	CMQ		MF	1	0.05	20.0						1													
			38	38	CDQ	B		4.5	0.2	22.5					1	1													
			39		CMQ	MD10		6	6	1.0					1		1												
				39	CMQ		MB	1.5	0.2	7.5						1													
			40		CMQ	MD10		2	2	1.0					1														
				40	CMQ		MF	1	0.15	6.7			MG,SI			1													
	11	A1	41	41	CMQ	F		0.8	0.1	8.0					1	1													
			42	42	CDQ	F		4	0.11	36.4					1	1													
			43		CMQ	MD10		3	1.2	2.5					1														
				43	CMQ		MF	0.6	0.1	6.0						1													
	12	D11	44		CMQ	MD10		5	1	5.0					1														

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-04
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070006 | *Analysis Date:* Aug 30, 2004
Description: CP4-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				44	CMQ		MF	5	0.1	50.0						1													
			45		CMQ	MD10		2.5	1	2.5					1														
				45	CMQ		MF	0.5	0.1	5.0			MG,SI			1													
			46		CMQ	MD10		7	4	1.8					1		1												
				46	CMQ		MF	0.6	0.08	7.5						1													
			47		CMQ	MD10		3.8	1.2	3.2					1														
				47	CMQ		MF	1	0.05	20.0						1													
	13	D31	48		CMQ	MD10		2.5	1	2.5					1														
				48	CMQ		MF	0.6	0.1	6.0						1													
			49		CMQ	MD10		3.5	1.5	2.3					1														
				49	CMQ		MF	1.5	0.1	15.0			MG,SI			1													
	14	A30	50	50	CDQ	B		5.5	0.5	11.0					1	1	1	1	1	1	1		1						
			51		CMQ	MD10		8	8	1.0					1		1												
				51	CMQ		MF	1	0.08	12.5						1													
			52		CMQ	MD11		7.5	5	1.5					1		1												
				52	CMQ		MF	5.2	0.1	52.0						1	1	1			1		1						
			53	53	CMQ	B		4.5	0.22	20.5					1	1													
			54		CMQ	MD10		4	2	2.0					1														
				54	CMQ		MF	1	0.15	6.7			MG,SI			1													
	15	A10	55	55	CDQ	F		2.2	0.1	22.0					1	1													
			56		CMQ	MD21		8.5	4	2.1					1		1												
				56	CMQ		MF	8	0.1	80.0						1	1	1			1		1						

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
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Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-04
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070006 | *Analysis Date:* Aug 30, 2004
Description: CP4-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				57	CMQ		MF	1	0.1	10.0						1													
B	16	C2	57		CDQ	MD10		6	6	1.0					1		1												
				58	CDQ		MF	1.5	0.1	15.0						1													
	17	C22	58	59	CMQ	F		2	0.1	20.0					1	1													
	18	C42	59		CMQ	MD10		1.5	0.6	2.5					1														
				60	CMQ		MF	0.5	0.08	6.3			MG,SI			1													
			60		CMQ	MD10		10	4	2.5					1		1												
				61	CMQ		MF	0.6	0.05	12.0						1													
			61		CMQ	MD10		8	4	2.0					1		1												
				62	CMQ		MF	2	0.1	20.0						1													
			62		CMQ	MD10		3.5	2	1.8					1														
				63	CMQ		MF	0.6	0.05	12.0						1													
	19	B1	63		CMQ	MD10		10	6	1.7					1		1												
				64	CMQ		MB	5	0.2	25.0			MG,SI			1													
			64		CMQ	MD10		5	2	2.5					1														
				65	CMQ		MF	3	0.1	30.0						1													
	20	C11	65		CMQ	MD10		10	4	2.5					1		1												
				66	CMQ		MF	1	0.05	20.0						1													
			66	67	CDQ	F		5	0.1	50.0					1	1													
			67		CMQ	MD10		7	5	1.4					1		1												
				68	CMQ		MF	2	0.2	10.0			MG,SI			1													
C	21	B32	68		CMQ	MD10		4.8	3.5	1.4					1														

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-04
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070006 | *Analysis Date:* Aug 30, 2004
Description: CP4-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				69	CMQ		MF	1.5	0.1	15.0						1													
			69		CDQ	MD10		7	3.8	1.8					1		1												
				70	CDQ		MF	1.5	0.1	15.0						1													
			70		CMQ	MD10		10	5	2.0					1		1												
				71	CMQ		MF	1.5	0.11	13.6						1													
			71		CDQ	MD10		5	3.5	1.4					1														
				72	CDQ		MF	1	0.1	10.0			MG,SI			1													
			72		CDQ	MD10		18	10	1.8					1		1												
				73	CDQ		MF	3.5	0.1	35.0						1													
	22	B12	73	74	CMQ	F		4.5	0.1	45.0					1	1													
			74	75	CDQ	F		1.3	0.1	13.0					1	1													
			75	76	CMQ	F		2.5	0.08	31.3					1	1													
			76		CMQ	MD10		7.5	3.5	2.1					1		1												
				77	CMQ		MF	2	0.1	20.0						1													
	23	B41	77	78	CMQ	F		1.2	0.1	12.0			MG,SI		1	1													
			78		CMQ	MD10		1.8	1.5	1.2					1														
				79	CMQ		MF	0.5	0.08	6.3						1													
			79	80	CMQ	F		1	0.08	12.5					1	1													
			80		CMQ	MD10		8	3.5	2.3					1		1												
				81	CMQ		MF	1.8	0.1	18.0						1													
			81	82	CMQ	F		2	0.1	20.0					1	1													
			82	83	CDQ	F		3.5	0.1	35.0			MG,SI		1	1													

PAS = Primary Asbestos Structures
AFB>5μ = Asbestos Fibers and Bundles >5μ
PSAS 5-10 = Protocol Asbestos Structures 5-10μ
PSCH 5-10 = Protocol Chrysotile Structures 5-10μ
PSAM 5-10 = Protocol Amphibole Structures 5-10μ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10μ
PSCH>10 = Protocol Chrysotile Structures >10μ
PSAM >10 = Protocol Amphibole Structures >10μ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5μ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-04
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070006 | *Analysis Date:* Aug 30, 2004
Description: CP4-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			83	84	CMQ	F		0.6	0.08	7.5					1	1													
	24	B21	84	85	CMQ	F		2.3	0.1	23.0					1	1													
			85		CMQ	MD10		5.5	2.5	2.2					1		1												
				86	CMQ		MF	0.8	0.01	80.0						1													
	25	B1	86	87	CMQ	F		1.2	0.1	12.0					1	1													
			87	88	CMQ	F		0.6	0.08	7.5					1	1													
			88	89	CDQ	F		1	0.15	6.7					1	1													
			89		CDQ	MD10		4	1	4.0					1														
				90	CDQ		MF	0.8	0.15	5.3			MG,SI			1													
			90	91	CMQ	F		0.6	0.1	6.0					1	1													
	26	A41	91		CMQ	MD10		2	1.5	1.3					1														
				92	CMQ		MF	1.5	0.1	15.0						1													
			92		CMQ	MD10		8.5	4.5	1.9					1		1												
				93	CMQ		MF	2	0.15	13.3						1													
	27	A21	NSD																										
	28	A1	93	94	CMQ	F		4	0.1	40.0			MG,SI		1	1													
	29	D11	94		CMQ	MD10		11	6	1.8					1		1												
				95	CMQ		MF	3.8	0.1	38.0						1													
			95		CMQ	MD10		4.8	1.2	4.0					1														
				96	CMQ		MF	1.2	0.08	15.0						1													
			96		CMQ	MD10		15	5	3.0					1		1												
				97	CMQ		MF	1.5	0.1	15.0			MG,SI			1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

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Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070006 | *Analysis Date:* Aug 30, 2004
Description: CP4-A Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			97		CMQ	MD21		5	5	1.0					1														
				98	CMQ		MF	5.8	0.1	58.0						1	1	1			1		1						
				99	CMQ		MF	3.7	0.12	30.8						1													
			98	100	CDQ	F		4	0.08	50.0					1	1													
	30	D31	99		CMQ	MD10		3.5	3	1.2					1														
				101	CMQ		MF	1	0.08	12.5						1													
			100		CMQ	MD10		8	5	1.6					1		1												
				102	CMQ		MF	3.8	0.11	34.5			MG,SI			1													
			101	103	CDQ	CC+0		5	4	1.3					1	1													
			101	103											101	103	38	6	4	1	6	0	6	0	0	0	0	0	0

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
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PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-05
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070012 | *Analysis Date:* Aug 1, 2004
Description: WW2-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	B23	NSD																										
	2	B13	NSD																										
	3	B3	NSD																										
	4	C3	1	1	CDQ	F		4.5	0.12	37.5					1	1													
	5	B32	2	2	CDQ	F		2.5	0.12	20.8					1	1													
			3		CDQ	MD10		10	9	1.1					1		1												
				3	CDQ		MF	2.5	0.12	20.8	5012	14930	MG,SI			1													
	6	B12	4		CDQ	MD10		9	2.5	3.6					1		1		1										
				4	CDQ		MF	9	0.1	90.0	5013		MG,SI	LOW MG		1	1	1			1		1	1		1			
	7	B2	NSD																										
	8	C42	5		CMQ	MD10		1.1	1	1.1					1														
				5	CMQ		MF	0.5	0.1	5.0						1													
	9	B1	NSD																										
	10	C1	6	6	CMQ	F		1.5	0.03	50.0					1	1													
	11	C11	NSD																										
	12	C21	7		CDQ	MD10		3	1	3.0					1														
				7	CDQ		MF	3	0.1	30.0						1													
	13	C31	NSD																										
	14	B30	8	8	CDQ	F		3.8	0.2	19.0					1	1													
	15	B10	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-05
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070012 | *Analysis Date:* Aug 1, 2004
Description: WW2-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	16	C30	NSD																										
	17	C40	NSD																										
	18	A20	9		CMQ	MD10		7	4.5	1.6					1		1												
				9	CMQ		MF	0.8	0.1	8.0						1													
			10	10	CDQ	F		2.5	0.1						1	1													
	19	A10	11	11	CDQ	F		1.8	0.11	16.4					1	1													
	20	D10	NSD																										
	21	D20	NSD																										
	22	A1	12	12	CMQ	F		1.5	0.1	15.0					1	1													
	23	D1	NSD																										
	24	D11	NSD																										
	25	D21	NSD																										
	26	D31	NSD																										
	27	D12	13		CMQ	MD10		4.5	3.5	1.3					1														
				13	CMQ		MF	0.6	0.1	6.0						1													
	28	D2	NSD																										
B	29	B43	NSD																										
	30	B33	NSD																										
	31	B23	NSD																										
	32	B13	NSD																										
	33	B3	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
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FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

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Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070012 | *Analysis Date:* Aug 1, 2004
Description: WW2-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	34	C3	NSD																										
	35	C13	NSD																										
	36	C23	14	14	CMQ	F		2.2	0.1	22.0					1	1													
	37	C33	15	15	CMQ	F		2	0.1	20.0					1	1													
			16		CDQ	MD10		1.5	1	1.5					1														
				16	CDQ		MF	0.6	0.1	6.0						1													
	38	B41	17		CDQ	MD40		8	5	1.6					1		1												
				17	CDQ		MB	3	0.4	7.5						1													
				18	CDQ		MF	1.5	0.08	18.8						1													
				19	CDQ		MF	1	0.11	9.1						1													
				20	CDQ		CR+50	1.3	0.5	2.6						1													
	39	B31	NSD																										
	40	B21	NSD																										
	41	B11	18	21	CDQ	F		1.5	0.11	13.6					1	1													
			19		CDQ	MD10		4.5	1	4.5					1														
				22	CDQ		MF	4.5	0.1	45.0						1													
			20		CMQ	MD30		5.5	1.5	3.7					1		1		1										
				23	CMQ		MF	2	0.1	20.0						1													
				24	CMQ		MF	1	0.03	33.3						1													
				25	CMQ		MF	0.8	0.01	80.0						1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-05
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070012 | *Analysis Date:* Aug 1, 2004
Description: WW2-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	42	B1	NSD																										
	43	C1	NSD																										
	44	C11	NSD																										
	45	C21	21	26	CMQ	F		1.8	0.05	36.0					1	1													
	46	C31	22		CDQ	MD10		4.5	3	1.5					1														
				27	CDQ		MF	1.5	0.11	13.6						1													
			23		CDQ	MD10		2.5	1	2.5					1														
				28	CDQ		MF	1	0.1	10.0						1													
	47	C41	24		CMQ	MD10		2	1	2.0					1														
				29	CMQ		MF	0.8	0.1	8.0						1													
			25		CDQ	MD10		10	2	5.0					1		1		1										
				30	CDQ		MF	3	0.1	30.0						1													
	48	C20	26	31	CMQ	F		1.5	0.1	15.0					1	1													
	49	A40	NSD																										
	50	A30	27		CDQ	MD10		3.5	2.5	1.4					1														
				32	CDQ		MF	1.1	0.08	13.8						1													
	51	A20	28	33	CMQ	F		1.2	0.1	12.0					1	1													
	52	A41	NSD																										
	53	A31	NSD																										
	54	A21	NSD																										
	55	A32	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-05
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070012 | *Analysis Date:* Aug 1, 2004
Description: WW2-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	56	A22	NSD																										
C	57	B44	NSD																										
	58	B34	NSD																										
	59	B24	NSD																										
	60	B14	NSD																										
	61	B4	29	34	CDQ	F		3.8	0.1	38.0	619		MG,SI		1	1													
	62	C4	NSD																										
	63	C14	NSD																										
	64	C24	NSD																										
	65	C22	30		CMQ	MD10		6	3.5	1.7					1		1												
				35	CMQ		MF	1.5	0.1	15.0						1													
	66	B41	NSD																										
	67	B31	NSD																										
	68	C40	31		CMQ	MD10		5.5	2	2.8					1		1												
				36	CMQ		MF	1.5	0.1	15.0						1													
	69	D10	32		CDQ	MD11		13	2	6.5					1		1		1										
				37	CDQ		MB	8	1	8.0						1	1	1		1									
	70	D20	33		CMQ	MD10		9	5	1.8					1		1												
				38	CMQ		MF	2	0.1	20.0						1													
	71	D40	NSD																										
	72	D41	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-05
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070012 | *Analysis Date:* Aug 1, 2004
Description: WW2-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	73	D21	NSD																										
	74	A2	NSD																										
	75	C23	NSD																										
	76	C33	34		CDQ	MD10		3.5	1.2	2.9					1														
				39	CDQ		MB	1.1	0.1	11.0						1													
	77	C43	NSD																										
	78	B23	NSD																										
	79	B13	NSD																										
	80	B3	35		CDQ	MD10		5	0.7	7.1					1														
				40	CDQ		MB	4.5	0.2	22.5						1													
	81	A13	NSD																										
	82	A14	36		CMQ	MD10		4	4	1.0					1														
				41	CMQ		MB	1.2	0.08	15.0						1													
	83	D4	37		CMQ	MD10		8.5	3	2.8					1		1												
				42	CMQ		MB	4	0.1	40.0						1													
	83		37	42											37	42	13	2	4	1	1	0	1	1	0	1	0	0	0

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
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PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
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PSAS TOT = Protocol Asbestos Structures Total
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PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-07
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070014 | *Analysis Date:* Aug 2, 2004
Description: WW3-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	B44	NSD																										
	2	B24	NSD																										
	3	B4	NSD																										
	4	C14	1	1	CMQ	F		6	0.1	60.0	621	412	MG,SI		1	1	1	1			1		1	1		1			
	5	C24	NSD																										
	6	B33	NSD																										
	7	B13	NSD																										
	8	C3	NSD																										
	9	C23	NSD																										
	10	C43	NSD																										
	11	B42	NSD																										
	12	B22	2	2	CMQ	F		0.7	0.1	7.0					1	1													
	13	C2	3		CMQ	MD10		5.5	1.5	3.7					1		1		1										
				3	CMQ		MF	2.5	0.05	50.0						1													
	14	C12	NSD																										
	15	B21	4		CDQ	MD10		2.5	0.8	3.1					1														
				4	CDQ		MF	1.2	0.1	12.0	620	TILTS INTO GRID BAR				1													
			5	5	CMQ	F		5.2	0.1	52.0					1	1	1	1			1		1	1		1			
	16	B11	6		CMQ	MD10		13	10	1.3					1		1												

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
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PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
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PSAM TOT = Protocol Amphibole Structures Total
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Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-07
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070014 | *Analysis Date:* Aug 2, 2004
Description: WW3-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				6	CMQ		MF	0.5	0.1	5.0						1													
	17	C1	NSD																										
	18	C21	7		CMQ	MD10		20	3.5	5.7					1		1												
				7	CMQ		MF	1	0.08	12.5						1													
	19	C41	NSD																										
	20	A40	NSD																										
	21	A30	NSD																										
	22	A20	NSD																										
	23	A10	NSD																										
	24	A11	NSD																										
	25	A1	NSD																										
	26	D1	NSD																										
	27	D11	NSD																										
B	28	A40	NSD																										
	29	A42	8		CDQ	MD10		4	3	1.3					1														
				8	CDQ		MF	0.7	0.1	7.0						1													
			9	9	CMQ	F		4	0.1	40.0					1	1													
	30	A43	NSD																										
	31	B30	NSD																										
	32	D21	NSD																										
	33	D31	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
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TREMO. = Tremolite Structure

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Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

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TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	34	D12	NSD																										
	35	D22	NSD																										
	36	D32	NSD																										
	37	D13	10		CDQ	MD10		2.5	1	2.5					1														
				10	CDQ		MF	1	0.08	12.5						1													
	38	D23	NSD																										
	39	D33	NSD																										
	40	D4	NSD																										
	41	D14	NSD																										
	42	D24	NSD																										
	43	D34	NSD																										
	44	C1	11	11	ADQ	F		2.5	0.15	16.7	622	413	MG,SI,CA, FE	TREMO	1	1													
			12		CDQ	MD11		13.5	1.2	11.3					1		1		1										
				12	CDQ		MB	11.5	0.2	57.5	623					1	1	1				1	1		1	1			
	45	C11	13	13	CMQ	F		0.7	0.1	7.0					1	1													
	46	C2	NSD																										
C	47	B44	NSD																										
	48	B34	NSD																										
	49	B24	NSD																										
	50	B14	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
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PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
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Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-07
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070014 | *Analysis Date:* Aug 2, 2004
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TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	51	B43	NSD																										
	52	B33	NSD																										
	53	B23	NSD																										
	54	B13	14		CMQ	MD10		8	3.5	2.3					1		1												
				14	CMQ		MB	1	0.05	20.0						1													
			15	15	CDQ	F		2.5	0.08	31.3					1	1													
	55	B42	NSD																										
	56	B32	NSD																										
	57	B22	NSD																										
	58	B12	NSD																										
	59	B41	NSD																										
	60	B31	16	16	CMQ	F		1.2	0.08	15.0					1	1													
	61	B21	NSD																										
	62	B11	NSD																										
	63	B40	NSD																										
	64	B30	NSD																										
	65	B20	NSD																										
	66	B10	NSD																										
	67	A40	NSD																										
	68	A30	NSD																										
	69	A20	NSD																										

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Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-07
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070014 | *Analysis Date:* Aug 2, 2004
Description: WW3-B Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	70	A10	NSD																										
	71	A41	17	17	CDQ	F		2.8	0.1	28.0					1	1													
	72	A31	NSD																										
	73	A21	NSD																										
	74	A11	NSD																										
	75	A1	NSD																										
	76	D31	NSD																										
	77	D41	18		CMQ	MD10		8	5	1.6					1		1												
				18	CMQ		MF	0.7	0.08	8.8						1													
	78	A43	NSD																										
	79	A33	NSD																										
	80	A23	NSD																										
	81	A13	NSD																										
	81		18	18											18	18	9	3	2	0	2	1	3	2	1	3	0	0	0

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
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TREMO. = Tremolite Structure

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PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-08
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070015 | *Analysis Date:* Aug 3, 2004
Description: WW4-A Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	B14	1		CDQ	MD11		18	5	3.6					1		1												
				1	CDQ		MF	10	0.15	66.7	624	414	MG,SI			1	1	1			1		1	1		1			
	2	B24	NSD																										
	3	B4	2		CDQ	MD10		12	6	2.0					1		1												
				2	CDQ		MB	1.5	0.22	6.8						1													
			3		CMQ	MD10		2	1	2.0					1														
				3	CMQ		MF	0.7	0.08	8.8						1													
	4	C4	4		CMQ	MD10		6.5	4	1.6					1		1												
				4	CMQ		MF	0.8	0.1	8.0						1													
	5	C14	NSD																										
	6	C24	5		CDQ	MD21		14	8	1.8					1		1												
				5	CDQ		MB	7.5	0.3	25.0						1	1	1		1	1		1	1		1			
				6	CDQ		MF	0.6	0.05	12.0						1													
			6		CMQ	MD10		3	1.5	2.0					1														
				7	CMQ		MF	1.8	0.08	22.5						1													
	7	B42	7	8	CMQ	F		1.2	0.05	24.0					1	1													
	8	B32	8		CMQ	MD10		4	0.5	8.0					1														
				9	CMQ		MF	3	0.1	30.0						1													
			9		CMQ	MD20		3.5	2	1.8					1														
				10	CMQ		MF	1.5	0.1	15.0						1													
				11	CMQ		MF	0.5	0.05	10.0						1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-08
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070015 | *Analysis Date:* Aug 3, 2004
Description: WW4-A Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	9	B22	NSD																										
	10	B12	10	12	CMQ	F		2.5	0.05	50.0					1	1													
			11	13	CMQ	F		1	0.05	20.0					1	1													
	11	B2	NSD																										
	12	C2	NSD																										
	13	C12	12		CDQ	MD10		2.5	0.8	3.1					1														
				14	CDQ		MF	2	0.1	20.0						1													
	14	C22	13	15	CMQ	F		2	0.08	25.0					1	1													
			14	16	CDQ	F		12.5	0.1	125.0					1	1	1	1				1	1		1	1			
	15	C32	15		CDQ	MD10		10	6	1.7					1		1												
				17	CDQ		MF	1.2	0.1	12.0						1													
	16	C10	NSD																										
	17	C20	16	18	CMQ	F		1.2	0.1	12.0					1	1													
			17		CDQ	MD10		3.5	3	1.2					1														
				19	CDQ		MB	1	0.2	5.0						1													
	18	C30	NSD																										
	19	C40	18		CDQ	MD10		6	2	3.0					1		1		1										
				20	CDQ		MB	3	0.08	37.5						1													
			19		CMQ	MD10		5	3.5	1.4					1														
				21	CMQ		MB	1.5	0.1	15.0						1													
			20	22	CDQ	F		8	0.1	80.0					1	1	1	1			1		1	1		1			

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-08
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070015 | *Analysis Date:* Aug 3, 2004
Description: WW4-A Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			21		CMQ	MD11		8	6	1.3					1		1												
				23	CMQ		MB	5.1	0.1	51.0						1	1	1			1		1	1		1			
	20	A41	NSD																										
	21	A31	22		CDQ	MD10		5.5	1.5	3.7					1		1		1										
				24	CDQ		MB	4	0.25	16.0						1													
	22	A21	23		CMQ	MD10		6	6	1.0					1		1												
				25	CMQ		MF	1.5	0.08	18.8						1													
	23	A11	24	26	CMQ	F		1	0.1	10.0					1	1													
	24	A1	25		CDQ	MD20		8	3.5	2.3					1		1												
				27	CDQ		MF	3	0.05	60.0						1													
				28	CDQ		MF	1.5	0.1	15.0						1													
			26		CDQ	MD20		10	2	5.0					1		1		1										
				29	CDQ		MF	1.2	0.1	12.0						1													
				30	CDQ		MF	0.8	0.05	16.0						1													
	25	D1	NSD																										
	26	D11	NSD																										
	27	D21	27	31	CMQ	F		1.2	0.1	12.0					1	1													
B	28	B42	28		CDQ	MD11		13	3.5	3.7					1		1												
				32	CDQ		MB	10.5	0.2	52.5						1	1	1				1	1		1	1			
			29		CDQ	MD10		3.5	1	3.5					1														
				33	CDQ		MF	0.8	0.05	16.0						1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-08
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070015 | *Analysis Date:* Aug 3, 2004
Description: WW4-A Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	29	B32	NSD																										
	30	B22	NSD																										
	31	C24	30	34	CDQ	F		2.5	0.1	25.0					1	1													
	32	C34	31	35	CDQ	F		1	0.1	10.0					1	1													
			32		CMQ	MD10		4	3.5	1.1					1														
				36	CMQ		MF	3.5	0.1	35.0						1													
	33	C44	NSD																										
	34	C23	33		CMQ	MD10		3	0.6	5.0					1														
				37	CMQ		MF	3	0.1	30.0						1													
			34		CMQ	MD10		4	1.5	2.7					1														
				38	CMQ		MF	1.1	0.11	10.0						1													
			35	39	CDQ	F		1.5	0.08	18.8					1	1													
	35	C33	36	40	CMQ	F		0.8	0.1	8.0					1	1													
	36	C43	NSD																										
	37	C22	NSD																										
	38	C11	NSD																										
	39	C21	NSD																										
	40	C31	NSD																										
	41	B41	37	41	CDQ	F		0.8	0.1	8.0					1	1													
			38	42	CDQ	F		0.8	0.05	16.0					1	1													
			39		CDQ	MD10		10	10	1.0					1		1												

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-08
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070015 | *Analysis Date:* Aug 3, 2004
Description: WW4-A Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				43	CDQ		MF	3	0.1	30.0						1													
	42	B31	40		CMQ	MD30		6	4	1.5					1		1												
				44	CMQ		MF	1.2	0.12	10.0						1													
				45	CMQ		MF	1	0.1	10.0						1													
				46	CMQ		MF	0.5	0.1	5.0						1													
			41	47	CDQ	F		3	0.08	37.5					1	1													
			42	48	CDQ	F		1	0.05	20.0					1	1													
	43	B40	NSD																										
	44	B30	NSD																										
	45	A40	NSD																										
	46	A30	43	49	CDQ	B		5.5	0.2	27.5					1	1	1	1			1		1	1		1			
			44	50	CDQ	F		5	0.1	50.0					1	1													
			45		CMQ	MD10		10	5	2.0					1		1												
				51	CMQ		MF	2.5	0.05	50.0						1													
	47	A20	46		CMQ	MD10		4	1.2	3.3					1														
				52	CMQ		MF	0.8	0.08	10.0						1													
	48	A41	NSD																										
	49	A31	NSD																										
	50	A42	NSD																										
	51	A32	NSD																										
	52	A43	47		CDQ	MD10		4.5	1.8	2.5					1														

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-08
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070015 | *Analysis Date:* Aug 3, 2004
Description: WW4-A Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				53	CDQ		MF	2	0.1	20.0						1													
	53	A33	48	54	CDQ	F		8	0.05	160.0					1	1	1	1			1		1	1		1			
			49	55	CDQ	F		1.5	0.1	15.0					1	1													
	54	A44	NSD																										
	55	A34	NSD																										
C	56	B44	50	56	CDQ	F		8	0.05	160.0					1	1	1	1			1		1	1		1			
	57	B14	NSD																										
	58	B4	NSD																										
	59	C4	NSD																										
	60	C14	51	57	ADQ	F		3.5	0.6	5.8	625	415	MG,SI,CA, FE	TREMOLITE	1	1													
	61	C24	52		CDQ	MD11		22	5	4.4					1		1												
				58	CDQ		MB	18	0.25	72.0						1	1	1		1		1	1		1	1			
	62	C34	53		CDQ	MD11		11	2.5	4.4					1		1		1										
				59	CDQ		MB	10	0.1	100.0						1	1	1			1		1	1		1			
	63	C44	NSD																										
	64	B2	NSD																										
	65	C2	NSD																										
	66	C12	NSD																										
	67	C22	54	60	AMQ	F		2	0.25	8.0					1	1													
	68	C32	55		CDQ	MD21		16	12	1.3					1		1												

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-08
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070015 | *Analysis Date:* Aug 3, 2004
Description: WW4-A Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				61	CDQ		MB	8	0.2	40.0						1	1	1			1		1	1		1			
				62	CDQ		MF	2	0.08	25.0						1													
			56	63	CMQ	F		13	0.1	130.0					1	1	1	1				1	1		1	1			
	69	C11	57	64	CMQ	F		1.3	0.1	13.0					1	1													
	70	C21	NSD																										
	71	C31	58		CMQ	MD10		2	1.5	1.3					1														
				65	CMQ		MF	0.6	0.1	6.0						1													
	72	C41	NSD																										
	73	C10	NSD																										
	74	C20	NSD																										
	75	C30	NSD																										
	76	C40	NSD																										
	77	D20	NSD																										
	78	D30	59	66	CMQ	F		25	0.15	166.7					1	1	1	1				1	1		1	1			
	79	D40	60		CDQ	MD10		8	2.5	3.2					1		1		1										
				67	CDQ		MF	1.5	0.1	15.0						1													
	80	D21	61	68	CDQ	F		3.8	0.1	38.0					1	1													
			62		CDQ	MD10		5.5	4	1.4					1		1												
				69	CDQ		MF	3.5	0.08	43.8						1													
	81	D31	NSD																										
	82	D41	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-08
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070015 | *Analysis Date:* Aug 3, 2004
Description: WW4-A Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	82		62	69											62	69	34	14	5	2	9	5	14	9	5	14	0	0	0

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
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PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

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PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-10
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070018 | *Analysis Date:* Aug 4, 2004
Description: RT1-B Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	B44	NSD																										
	2	B24	NSD																										
	3	B4	NSD																										
	4	C14	1		CMQ	MD10		8.5	5	1.7					1		1												
				1	CMQ		MF	0.8	0.08	10.0						1													
			2	2	CDQ	F		1.5	0.1	15.0					1	1													
	5	C34	NSD																										
	6	B33	NSD																										
	7	B13	3	3	CD	F		1	0.1	10.0	626	TILTS INTO GRID BAR	MG,SI		1	1													
			4		CDQ	MD11		12	1.5	8.0					1		1		1										
				4	CDQ		MF	8	0.1	80.0						1	1	1			1		1	1		1			
			5		CMQ	MD10		4	3.5	1.1					1														
				5	CMQ		MF	1.5	0.1	15.0						1													
	8	C3	6		CDQ	MD21		10	6	1.7					1		1												
				6	CDQ		MF	6.5	0.15	43.3						1	1	1			1		1	1		1			
				7	CDQ		MF	1.5	0.1	15.0						1													
	9	C23	NSD																										
	10	C43	7	8	CMQ	F		1.5	0.08	18.8					1	1													
			8	9	CDQ	B		2	0.15	13.3	627	415	MG,SI		1	1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-10
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070018 | *Analysis Date:* Aug 4, 2004
Description: RT1-B Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	11	B42	NSD																										
	12	B22	9		CMQ	MD10		8	2	4.0					1		1		1										
				10	CMQ		MF	4	0.08	50.0						1													
			10	11	CMQ			1.1	0.08	13.8					1	1													
			11	12	CDQ	F		3	0.1	30.0					1	1													
	13	B2	NSD																										
	14	C12	NSD																										
	15	C32	NSD																										
	16	B31	12	13	CMQ	F		2	0.1	20.0					1	1													
	17	B11	13		CDQ	MD10		13	4.5	2.9					1		1												
				14	CDQ		MF	1.5	0.1	15.0						1													
	18	C1	NSD																										
	19	C21	NSD																										
	20	C41	14	15	CMQ	F		1	0.1	10.0					1	1													
	21	C10	NSD																										
	22	C20	NSD																										
	23	C30	15		CDQ	MD10		3.5	1.5	2.3					1														
				16	CDQ		MF	1.5	0.05	30.0						1													
			16		CDQ	MD10		8	8	1.0					1		1												
				17	CDQ		MF	2.5	0.1	25.0						1													
	24	C40	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-10
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070018 | *Analysis Date:* Aug 4, 2004
Description: RT1-B Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	25	A41	NSD																										
	26	A21	NSD																										
	27	A1	17		CDQ	MD20		5	4	1.3					1														
				18	CDQ		MB	1.2	0.11	10.9						1													
				19	CDQ		MF	0.5	0.05	10.0						1													
	28	D11	NSD																										
	29	D31	18		CMQ	MD10		15	13	1.2					1		1												
				20	CMQ		MF	1	0.08	12.5						1													
	30	A42	NSD																										
	31	A22	NSD																										
	32	A12	19	21	CMQ	F		2	0.1	20.0					1	1													
	33	D2	NSD																										
B	34	B44	20	22	CDQ	F		3	0.12	25.0					1	1													
	35	B24	NSD																										
	36	B4	21		CMQ	MD20		5	4	1.3					1														
				23	CMQ		MF	1.5	0.05	30.0						1													
				24	CMQ		MF	0.8	0.1	8.0						1													
	37	C14	NSD																										
	38	C34	NSD																										
	39	B33			NAM	MD10		5	4	1.3																			
							MF	3.5	0.05	70.0			MG,AL,SI																

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-10
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070018 | *Analysis Date:* Aug 4, 2004
Description: RT1-B Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			22		CDQ	MD10		3.5	1.5	2.3					1														
				25	CDQ		MF	1.5	0.1	15.0						1													
	40	B13	23		CMQ	MD10		7	3.5	2.0					1		1												
				26	CMQ		MF	0.6	0.08	7.5						1													
			24	27	CMQ	F		3.5	0.08	43.8					1	1													
	41	C3	25	28	CMQ	F		3.8	0.12	31.7					1	1													
	42	C23	nsd																										
	43	C43	26		CDQ	MD11		9	5	1.8					1		1												
				29	CDQ		MB	5.1	0.11	46.4						1	1	1			1		1	1		1			
	44	B42	27	30	CMQ	F		0.8	0.08	10.0					1	1													
			28		CMQ	MD10		3.5	2	1.8					1														
				31	CMQ		MF	1	0.08	12.5						1													
	45	B22	29		CMQ	MD10		5	1.5	3.3					1														
				32	CMQ		MF	3.8	0.1	38.0						1													
	46	B2	NSD																										
	47	C12	NSD																										
	48	C32	NSD																										
	49	B31	30		CMQ	MD10		5	3	1.7					1														
				33	CMQ		MF	1.5	0.1	15.0						1													
	50	B11	NSD																										
	51	C1	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-10
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070018 | *Analysis Date:* Aug 4, 2004
Description: RT1-B Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	52	C21	NSD																										
	53	C41	NSD																										
	54	C10	NSD																										
	55	C20	31	34	CDQ	F		4.5	0.12	37.5					1	1													
	56	C30	32		CMQ	MD10		1.5	1	1.5					1														
				35	CMQ		MF	1	0.1	10.0						1													
			33	36	CMQ	F		1.5	0.08	18.8					1	1													
	57	C40	NSD																										
	58	A41			NAM	MD10		2	0.8	2.5																			
							MF	1	0.1	10.0			MG,AL,SI																
	59	A21	34		CDQ	MD10		2.5	1	2.5					1														
				37	CDQ		MF	0.8	0.05	16.0						1													
	60	A1	35	38	CDQ	F		2.5	0.12	20.8					1	1													
	61	D11	36	39	CMQ	F		2.5	0.1	25.0					1	1													
	62	D31	NSD																										
	63	A31	37	40	CMQ	F		1.2	0.08	15.0					1	1													
	64	A11	38		CDQ	MD10		6	2.5	2.4					1		1												
				41	CDQ		MF	1.5	0.08	18.8						1													
	65	D1	39		CMQ	MD10		5	3.5	1.4					1														
				42	CMQ		MF	1	0.05	20.0						1													
			40		CMQ	MD11		9	5	1.8					1		1												

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-10
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070018 | *Analysis Date:* Aug 4, 2004
Description: RT1-B Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				43	CMQ		MF	9	0.1	90.0						1	1	1			1		1	1		1			
	66	D21	NSD																										
	67	D41	41	44	CMQ	F		2	0.08	25.0					1	1													
	68	A13	NSD																										
	69	A3	42		CDQ	MD10		4	4	1.0					1														
				45	CDQ		MF	1	0.1	10.0						1													
C	70	B44	43		CDQ	MD10		4.5	4	1.1					1														
				46	CDQ		MF	0.6	0.05	12.0						1													
	71	B24	NSD																										
	72	B4	NSD																										
	73	C14	44		CMQ	MD10		8	2.5	3.2					1		1		1										
				47	CMQ		MF	1	0.05	20.0						1													
			45		CMQ	MD10		2	0.6	3.3					1														
				48	CMQ		MF	1	0.1	10.0						1													
	74	C34	NSD																										
	75	B33	46		CMQ	MD10		5	3.5	1.4					1														
				49	CMQ		MF	5	0.12	41.7						1													
			47	50	CMQ	F		3.8	0.08	47.5					1	1													
	76	B13	NSD																										
	77	C3	NSD																										
	78	C23	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-10
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070018 | *Analysis Date:* Aug 4, 2004
Description: RT1-B Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	79	C43	NSD																										
	80	B42	48		CMQ	MD10		4	1.5	2.7					1														
				51	CMQ		MF	1.2	0.08	15.0						1													
			49	52	CMQ	F		1	0.05	20.0					1	1													
	81	B22	50		CDQ	MD10		8	5	1.6					1		1												
				53	CDQ		MF	1	0.1	10.0						1													
			51	54	CMQ	F		0.6	0.08	7.5					1	1													
	82	B2	52		CMQ	MD10		10	5	2.0					1		1												
				55	CMQ		MF	1.2	0.08	15.0						1													
	83	C12	53	56	CMQ	F		1.5	0.08	18.8					1	1													
	84	C32	54		CMQ	MD10		2.5	0.8	3.1					1														
				57	CMQ		MF	2.5	0.03	83.3						1													
	85	B31	NSD																										
	86	B11	55	58	CDQ	F		4.5	0.1	45.0					1	1													
			56		CMQ	MD10		5	5	1.0					1														
				59	CMQ		MF	1.5	0.08	18.8						1													
			57		CDQ	MD20		10	6	1.7					1		1												
				60	CDQ		MB	4.8	0.2	24.0						1													
				61	CDQ		MF	2	0.05	40.0						1													
	87	C1	NSD																										
	88	C21	58	62	CMQ	F		1	0.08	12.5					1	1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-10
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070018 | *Analysis Date:* Aug 4, 2004
Description: RT1-B Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			59	63	CMQ	F		0.8	0.1	8.0					1	1													
	89	C41	NSD																										
	90	A41	60		CMQ	MD10		4.5	3.8	1.2					1														
				64	CMQ		MF	1	0.1	10.0						1													
	91	A21	NSD																										
	92	A1	NSD																										
	93	D11	61		CMQ	MD10		4.5	1	4.5					1														
				65	CMQ		MF	2	0.08	25.0						1													
	94	D31	62		CMQ	MD10		8	4	2.0					1		1												
				66	CMQ		MF	1.5	0.12	12.5						1													
	95	D2	63		CMQ	MD10		10	6	1.7					1		1												
				67	CMQ		MF	2	0.03	66.7						1													
	96	D12	NSD																										
	97	D22	NSD																										
	97		63	67											63	67	21	4	3	0	4	0	4	4	0	4	0	0	0

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	B34	NSD																										
	2	B24	1		CMQ	MD10		10	7.5	1.3		14943	MG,SI		1		1												
				1	CMQ		MF	1.2	0.5	2.4						1													
			2	2	CMQ	F		1	0.05	20.0					1	1													
					NAM	F		4	0.4	10.0			AL,SI,K,CA,FE																
	3	B14	3	3	CMQ	F		0.75	0.01	75.0					1	1													
			4	4	CDQ	F		1.5	0.1	15.0	5019	14944	MG,SI		1	1													
	4	B4			NAM	F		1.5	0.25	6.0			SI																
	5	C4	5	5	CDQ	F		1	0.01	100.0			MG,SI		1	1													
			6		CMQ	MD10		5.5	4	1.4					1		1												
				6	CMQ		MF	1	0.01	100.0						1													
	6	C14	7		CDQ	MD30		20	18	1.1			MG,SI		1		1												
				7	CMQ		RC+0	3.5	2.5	1.4						1													
				8	CMQ		MF	1	0.01	100.0						1													
				9	CMQ		MF	1	0.05	20.0						1													
			8		CMQ	MD20		14	12	1.2					1		1												
				10			MF	2	0.1	20.0						1													
				11			MF	1	0.1	10.0						1													
	7	C24	9	12	CMQ	F		2.75	0.01	275.0					1	1													
			10		CMQ	MD10		2.5	2.5	1.0					1														

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				13	CMQ		MF	2.5	2.5	1.0						1													
	8	C34	11		CMQ	MD10		5.5	2.5	2.2					1		1												
				14			MF	1	0.1	10.0						1													
	9	C44	NSD																										
	10	C33	NSD																										
	11	C13	NSD																										
	12	B3	NSD																										
	13	B13	12		CMQ	MD10		5.5	4	1.4					1		1												
				15			MF	1.5	1	1.5						1													
			13		CMQ	MD10		20	18	1.1					1		1												
				16			MF	1	0.1	10.0						1													
	14	B43	14		CMQ	MD10		4	4	1.0					1														
				17			MF	1	0.1	10.0						1													
			15		CMQ	MD10		5.5	3.5	1.6					1		1												
				18			MF	1	0.1	10.0						1													
	15	B22	16		CMQ	MD10		5	5	1.0					1														
				19			MF	1	0.1	10.0						1													
	16	B12	17		CMQ	MD10		2.5	2	1.3					1														
				20	CMQ		MF	1	0.1	10.0						1													
			18		CMQ	MD40		10	5	2.0					1		1												
				21	CMQ		MF	2.5	0.1	25.0						1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
				22	CMQ		MF	1	0.1	10.0						1													
				23	CMQ		MF	0.6	0.1	6.0						1													
				24	CMQ		MF	0.6	0.1	6.0						1													
	17	C2	NSD																										
	18	C22	19		CMQ	MD20		5.5	1	5.5					1		1		1										
				25	CMQ		MF	5	0.1	50.0						1													
				26	CMQ		MF	3	0.1	30.0						1													
	19	C42	20		CMQ	MD10		15	10	1.5					1		1												
				27			MF	1.5	0.1	15.0						1													
	20	C33	NSD																										
	21	C13			NAM	F		5	0.75	6.7																			
					NAM	F		2.5	0.4	6.3																			
	22	B31	NSD																										
	23	B11	NSD																										
	24	B1	21		CMQ	MD10		2.5	1.5	1.7					1														
				28			MF	2	0.1	20.0						1													
			22	29	CMQ	F		1.5	0.1	15.0					1	1													
	25	A10	NSD																										
	26	A30	23	30	CMQ	F		1	0.1	10.0					1	1													
			24	31	CMQ	F		5.5	0.05	110.0					1	1	1	1			1		1	1		1			
	27	A31	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	28	A11	25	32	CMQ	F		1	0.01	100.0					1	1													
	29	D1	NSD																										
	30	D21	26	33	CMQ	F		1.2	0.15	8.0					1	1													
			27	34	CMQ	F		4	0.1	40.0					1	1													
	31	D41	NSD																										
B	32	A31	NSD																										
	33	A11	28	35	CMQ	F		1	0.1	10.0					1	1													
			29		CMQ	MD10		1	1	1.0					1														
				36			MF	0.6	0.01	60.0						1													
	34	D1	NSD																										
	35	D21	30	37	CMQ	F		2.5	0.1	25.0					1	1													
	36	D41	NSD																										
	37	D32	NSD																										
	38	D12	NSD																										
	39	A2	NSD																										
	40	A22	31	38	CMQ	F		1.3	0.1	13.0					1	1													
	41	A42	32		CDQ	MD10		15	12	1.3					1		1												
				39			MF	7.5	0.1	75.0						1	1	1			1		1						
			33	40	CMQ	B		2	0.3	6.7					1	1													
	42	B30	NSD																										
	43	B11	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	44	B32	NSD																										
	45	B12	NSD																										
	46	C2	NSD																										
	47	C22	34		CMQ	MD20		10	6	1.7					1		1												
				41	CMQ		MF	3	0.1	30.0						1													
				42	CMQ		MF	2.5	0.1	25.0						1													
	48	C42	NSD																										
	49	C33	NSD																										
	50	C3	35		CMQ	MD10		10	7	1.4					1		1												
				43			MF	4	0.01	400.0						1													
	51	D10	NSD																										
	52	D30	NSD																										
	53	D41	NSD																										
	54	D21	36	44	CMQ	F		2	0.1	20.0					1	1													
	55	D1	NSD																										
	56	A11	37		CMQ	MD10		1	1	1.0					1														
				45	CMQ		MF	0.6	0.01	60.0						1													
	57	A31	NSD																										
	58	A33	38		CDQ	MD10		6	5	1.2			MG,SI		1		1												
				46	CDQ		MF	2	0.15	13.3			MG,SI			1													
	59	A3	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	60	D13	39		CDQ	MD10		4	2	2.0			MG,SI		1														
				47	CDQ		MF	1.5	0.01	150.0			MG,SI			1													
	61	D33	NSD																										
	62	D23	NSD																										
	63	C34	NSD																										
	64	C14	40		CMQ	MD10		12	10	1.2					1		1												
				48	CMQ		MB	2.75	0.25	11.0						1													
			41		CMQ	MD10		12	6.5	1.8					1		1												
				49	CMQ		MF	6	0.01	600.0						1	1	1			1		1	1		1			
	65	C4	NSD																										
	66	C24	42		CDQ	CD+0		6.5	1.5	4.3					1		1		1										
				50	CDQ		CB	4	0.5	8.0						1													
				51	CDQ		RC+0	1.5	1.5	1.0						1													
				52	CDQ		CF	1.5	0.12	12.5						1													
				53	CDQ		CF	1	0.15	6.7						1													
C	67	B34	NSD																										
	68	B14	NSD																										
	69	B4	NSD																										
	70	C14	NSD																										
	71	C34	NSD																										
	72	B42	NSD																										

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	73	B22	NSD																										
	74	C2	43		CMQ	MD10		4.8	2.5	1.9					1														
				54	CMQ		MF	2	0.05	40.0						1													
	74	C22	44		CMQ	MD10		12	6	2.0					1		1												
				55	CMQ		MF	3.8	0.1	38.0						1													
	75	C42	NSD																										
	76	C1	NSD																										
	77	C11	NSD																										
	78	C21	45	56	CMQ	F		0.6	0.03	20.0					1	1													
	79	C31	46	57	CDQ	F		0.8	0.08	10.0					1	1													
	80	C41	47		CMQ	MD10		4	0.5	8.0					1														
				58	CMQ		MF	1.8	0.1	18.0						1													
			48		CMQ	MD10		10	10	1.0					1		1												
				59	CMQ		MF	0.5	0.08	6.3						1													
	81	D10	49		CMQ	MD10		1.5	1	1.5					1														
				60	CMQ		MF	1	0.1	10.0						1													
	82	D20	NSD																										
	83	D30	NSD																										
	84	D40	NSD																										
D	85	D4	50		CMQ	MD10		5	3.5	1.4					1														
				61	CMQ		MF	4	0.1	40.0						1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
			51	62	CMQ	F		1.2	0.08	15.0					1	1													
			52		CMQ	MD10		3.5	1.2	2.9					1														
				63	CMQ		MF	1	0.08	12.5						1													
	86	D14	53		CMQ	MD11		11	5	2.2					1		1												
				64	CMQ		MF	5.1	0.1	51.0						1	1	1			1		1	1		1			
	87	D24	NSD																										
	88	D34	54		CMQ	MD10		4	1	4.0					1														
				65	CMQ		MF	3	0.1	30.0						1													
	89	D44	NSD																										
	90	A23	55	66	CMQ	F		1.1	0.12	9.2					1	1													
	91	A13	NSD																										
	92	A3	56	67	CMQ	F		1	0.08	12.5					1	1													
	93	D3	NSD																										
	94	D13	57		CMQ	MD10		6	5	1.2					1		1												
				68	CMQ		MF	0.8	0.08	10.0						1													
	95	A12	58	69	CDQ	F		2	0.1	20.0					1	1													
			59		CDQ	MD10		4	1	4.0					1														
				70	CDQ		MF	1.5	0.08	18.8						1													
	96	A2	60		CMQ	MD10		5	4	1.3					1														
				71	CMQ		MF	0.8	0.08	10.0						1													
	97	D2	61	72	CDQ	F		1.5	0.08	18.8					1	1													

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-11
Project Name: START-2 Portland OR | *Analyst:* DW/KM
Sample No.: 04070019 | *Analysis Date:* Aug 4, 2004
Description: RT2-A Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
	98		61	72											61	72	26	4	2	0	4	0	4	3	0	3	0	0	0

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-13
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070023 | *Analysis Date:* Jul 27, 2004
Description: AA-1 Child Play

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	B10			NAM	F		0.8	0.1	8.0	612	403	MG,SI	NON-CHRYS DIFF															
	2	C22	NSD																										
B	3	B20	NSD																										
	4	C11	1		CMQ	MD10		6	2.5	2.4					1		1												
				1	CMQ		MF	2.5	0.1	25.0	613	404	MG,SI	NO DIFF		1													
	4		**1**	**1**											**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-14
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070024 | *Analysis Date:* Jul 27, 2004
Description: AA-2 Weed Whacking

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	D1	NSD																										
	2	B11	NSD																										
B	3	D10	NSD																										
	4	B11	NSD																										
	4		**0**	**0**											**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct. 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-15
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070025 | *Analysis Date:* Jul 27, 2004
Description: AA-3 Roto-Tilling

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	A11	NSD																										
	2	B12	NSD																										
B	3	D1	NSD																										
	4	C4	NSD																										
	4		**0**	**0**											**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report Number: 040827 | *Report Date:* Oct 19, 2004

Client: Ecology and Environment, Inc. | *Lab/Cor Sample No.:* 040827-16
Project Name: START-2 Portland OR | *Analyst:* KM
Sample No.: 04070026 | *Analysis Date:* Jul 27, 2004
Description: Lot Blank H3BN11605

TEM ASBESTOS FIBER COUNT – RAW DATA

						Class									Tally														
Grid	No.	Location	Prim	Tot	ID	Prim	Total	Length	Width	Aspect	Neg #	EDS #	Elements	Comments	PAS	TAS	AS>5	AFB>5	PCMES	PCMEF	PSAS 5-10	PSAS >10	PSAS TOT	PSCH 5-10	PSCH >10	PSCH TOT	PSAM 5-10	PSAM >10	PSAM TOT
A	1	C10	NSD																										
	2	C1	NSD																										
	3	B11	NSD																										
	4	A20			NAM	F		0.51	0.1	5.1	5001	14913	AL,SI																
	5	A2	NSD																										
B	6	C1	NSD																										
	7	B11	NSD																										
	8	A10	NSD																										
	9	A1	NSD																										
	10	D11	NSD																										
	10		**0**	**0**											**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

PAS = Primary Asbestos Structures
AFB>5µ = Asbestos Fibers and Bundles >5µ
PSAS 5-10 = Protocol Asbestos Structures 5-10µ
PSCH 5-10 = Protocol Chrysotile Structures 5-10µ
PSAM 5-10 = Protocol Amphibole Structures 5-10µ
CHRYS = Chrysotile Structure

TAS – Total Asbestos Structures
PCMES=PCM Equivalent Structures
PSAS >10 = Protocol Asbestos Structures >10µ
PSCH>10 = Protocol Chrysotile Structures >10µ
PSAM >10 = Protocol Amphibole Structures >10µ
TREMO. = Tremolite Structure

AS>5 = Asbestos Structure >5µ
PCMEF = PCM Equivalent Fibers
PSAS TOT = Protocol Asbestos Structures Total
PSCH TOT = Protocol Chrysotile Structures Total
PSAM TOT = Protocol Amphibole Structures Total
FTD = Fiber Too Dense for Diffraction

GRID MAP

A69	A68	A67	A66	A65	A64	A63	A62	A61	A60	B60	B61	B62	B63	B64	B65	B66	B67	B68	B69
A59	A58	A57	A56	A55	A54	A53	A52	A51	A50	B50	B51	B52	B53	B54	B55	B56	B57	B58	B59
A49	A48	A47	A46	A45	A44	A43	A42	A41	A40	B40	B41	B42	B43	B44	B45	B46	B47	B48	B49
A39	A38	A37	A36	A35	A34	A33	A32	A31	A30	B30	B31	B32	B33	B34	B35	B36	B37	B38	B39
A29	A28	A27	A26	A25	A24	A23	A22	A21	A20	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29
A19	A18	A17	A16	A15	A14	A13	A12	A11	A10	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19
A9	A8	A7	A6	A5	A4	A3	A2	A1			B1	B2	B3	B4	B5	B6	B7	B8	B9
D9	D8	D7	D6	D5	D4	D3	D2	D1			C1	C2	C3	C4	C5	C6	C7	C8	C9
D19	D18	D17	D16	D15	D14	D13	D12	D11	D10	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19
D29	D28	D27	D26	D25	D24	D23	D22	D21	D20	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29
D39	D38	D37	D36	D35	D34	D33	D32	D31	D30	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39
D49	D48	D47	D46	D45	D44	D43	D42	D41	D40	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49
D59	D58	D57	D56	D55	D54	D53	D52	D51	D50	C50	C51	C52	C53	C54	C55	C56	C57	C58	C59
D69	D68	D67	D66	D65	D64	D63	D62	D61	D60	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69

To be used as a reference for grid coordinates from each raw data sheet.