

Table 1A
Summary of Asbestos Analytical Results
Engineering and Research Building
Page 1 of 1

Sample ID	Sample Description	Sample Location	Total Asbestos	Asbestos Type
ER-A-01	Black Built-Up Roofing	Pilot Plant Roof	23.4	Chrysotile
ER-A-02	Black Flashing	Pilot Plant Roof	15.3	Chrysotile
ER-A-11	White Door Frame Caulk	East entry Main Building	1.1	Chrysotile
ER-A-14	White Metal Expansion Caulk	Pilot Plant, North side	7.1	Chrysotile
ER-A-16	White Expansion Joint Caulk	Exterior- North Side	2.5	Chrysotile
ER-A-18	Joint Compound	Throughout interior of Main Building	2	Chrysotile
ER-A-19	Gypsum Wallboard Adhesive	Throughout interior of Main Building	4.7	Chrysotile
ER-A-26	Stick Pin Adhesive	Throughout interior of Main Building	12.3	Chrysotile
ER-A-38	White Expansion Joint Caulk	Room 109	1.7	Chrysotile
ER-A-39	Interior Window Glazing	Throughout Main Building	4.5	Chrysotile
ER-A-40	Interior Window Frame Caulk	Room 301	2.3	Chrysotile
ER-A-41	Black Sink Coat	Throughout Main Building and Pilot Plant	29.1	Chrysotile
ER-A-45	Fume Hood Panel	Throughout Main Building	20	Chrysotile
ER-A-47	Multi-Layered Flooring	Room 133	23.5	Chrysotile
ER-A-48	9 x 9 Brown Floor Tile	Room 124	10.0	Chrysotile
ER-A-54	9 x 9 Tan Floor Tile	Throughout Main Building	23.8	Chrysotile
ER-A-55	9 x 9 Floor Tile Mastic	Throughout Main Building	4.0	Chrysotile
ER-A-59	<6" Fitting Insulation	Throughout Main Building	20	Chrysotile
ER-A-61	>6" Fitting Insulation	Throughout Main Building	50.0	Chrysotile
ER-A-73	Yellow/Brown Adhesive	Room 230	2.1	Chrysotile
ER-A-74	Olive Wall Panel Adhesive	Second Floor of Main Building	8.0	Chrysotile
ER-A-103	<6" Pipe Insulation	Pilot Plant	30	Amosite
ER-A-104	<6" Fitting Insulation	Pilot Plant	20	Amosite
ER-A-105	>6" Pipe Insulation	Pilot Plant	20	Amosite
ER-A-106	>6" Fitting Insulation	Pilot Plant	30	Chrysotile
ER-A-107	6 Burner Lab Stove	Pilot Plant	20	Amosite
ER-A-109	Green Wood Insulation Cement Board	Pilot Plant	20	Chrysotile
ER-A-111	Fume Hood Counter Panel	Pilot Plant	20	Chrysotile
ER-A-112	Microwave Cabinet Cement Panels	Pilot Plant	20	Chrysotile
ER-A-119	Gray Sink Coat - 1st Floor	Pilot Plant	7.0	Chrysotile
Vermiculite wall insulation (Room 133 and 228A)		Room 133 and 228A	Assumed ACM	
White insulated wiring throughout Building		Throughout Main Building	Assumed ACM	

Note:

1. Assumed = The material was not sampled and is presumed ACM
2. Pos Stop = Presumed ACM due to one sample in sample set containing more than 1% asbestos

Table 2A
Summary of Non-Asbestos Analytical Results
Engineering and Research Building
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Sample ID	Sample Description	Total Asbestos	Asbestos Type
ER-A-03	Brown Roll Roofing - Main Roof	ND	
ER-A-04	Black Flashing - Main Roof	ND	
ER-A-05	Gray Flash Caulk - North Roof	<0.25	Chrysotile
ER-A-06	Exterior Ceiling Plaster (Base Coat) - Main Bldg	ND	
ER-A-07	Exterior Ceiling Plaster (Finish Coat) - Main Bldg	ND	
ER-A-08	Skimcoat on Foundation - Exterior	ND	
ER-A-09	Gray Window Glazing - Exterior	0.79	Chrysotile
ER-A-10	Black Foundation Tar - Exterior Pilot Plant	ND	
ER-A-12	Gray Window/Door Frame Caulk	0.68	Chrysotile
ER-A-13	White Window Frame Caulk - Exterior North	<0.27	Chrysotile
ER-A-15	Gray Window Frame Caulk - Exterior Main Bldg	ND	
ER-A-17	Gypsum Wallboard - Main Building	ND	
ER-A-20	Wall Plaster (Base Coat)	ND	
ER-A-21	Wall Plaster (Finish Coat)	ND	
ER-A-22	Ceiling Plaster (Base Coat)	ND	
ER-A-23	Ceiling Plaster (Finish Coat)	ND	
ER-A-24	Red Duct Seam Sealant	ND	
ER-A-25	White F/G End Sealant	ND	
ER-A-27	Stair Wall Paper	ND	
ER-A-28	Carpet Adhesive	ND	
ER-A-29	White Duct Seam Sealant	ND	
ER-A-30	2 x 4 White Ceiling Tile (Type 1)	ND	
ER-A-31	2 x 4 White Ceiling Tile (Type 2)	ND	
ER-A-32	1 x 1 White Ceiling Tile (Spline)	ND	
ER-A-33	1 x 2 White Ceiling Tile (Spline)	ND	
ER-A-34	2 x 2 White Ceiling Tile (Textured)	ND	
ER-A-35	2 x 2 White Ceiling Tile (Fissured)	ND	
ER-A-36	Floor Stand Glue	ND	
ER-A-37	Counter Top Glue	<0.25	Chrysotile
ER-A-42	Ceramic Floor Tile Grout	ND	
ER-A-43	Ceramic Floor Tile Mortar	ND	
ER-A-44	Black Lab Top	ND	
ER-A-46	Silver Duct Seam Sealant	ND	
ER-A-49	9 x 9 Brown Floor Tile Mastic	ND	
ER-A-50	9 x 9 Gray Floor Tile	ND	
ER-A-51	9 x 9 Gray Floor Tile Mastic	ND	
ER-A-52	Black Fiber/glass Pipe Material	0.26	Chrysotile
ER-A-53	Wall Paper Adhesive	ND	
ER-A-56	Ceramic Tile (12") Grout	ND	
ER-A-57	Ceramic Tile (12") Mortar	ND	
ER-A-58	<6" Pipe Insulation	ND	
ER-A-60	>6" Pipe Insulation	ND	
ER-A-62	12 x 12 Pink Floor Tile	ND	
ER-A-63	12 x 12 Pink Floor Tile Mastic	ND	
ER-A-64	12 x 12 White Floor Tile	ND	
ER-A-65	12 x 12 White Floor Tile Mastic	<0.25	Chrysotile
ER-A-66	12 x 12 Beige Floor Tile	ND	
ER-A-67	12 x 12 Beige Floor Tile Mastic	ND	
ER-A-68	Desk Top Laminate Adhesive	ND	
ER-A-69	Brown Stair Tread	ND	
ER-A-70	Yellow Stair Tread	ND	
ER-A-71	Black Lab Bench Backing	ND	
ER-A-72	12 x 12 Cork Floor Adhesive	ND	

Table 2A
Summary of Non-Asbestos Analytical Results
Engineering and Research Building
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Sample ID	Sample Description	Total Asbestos	Asbestos Type
ER-A-75	Light Brown Cove Base Mastic	ND	
ER-A-76	Dark Brown Chalkboard Adhesive	ND	
ER-A-77	Dark Brown Wood Baseboard Adhesive	ND	
ER-A-78	Yellow Wallboard Adhesive	ND	
ER-A-79	Green Chalkboard Adhesive	ND	
ER-A-80	Yellow Cove Base Adhesive	ND	
ER-A-81	Black Cove Base Adhesive	ND	
ER-A-82	White Cove Base	ND	
ER-A-83	Olive Mastic	ND	
ER-A-84	Red Cove Base	<0.25	Chrysotile
ER-A-85	Grey Cove Base	ND	
ER-A-86	4" Dark Blue Cove Base	ND	
ER-A-87	Light Blue Cove Base	ND	
ER-A-88	Purple Mastic	ND	
ER-A-89	Sticky Tan Cove Base Mastic	ND	
ER-A-90	Tan Cove Base w/ 89A	ND	
ER-A-91	Black Painted Brown Cove Base	ND	
ER-A-92	Beige Cove Base	ND	
ER-A-93	6" Dark Blue Cove Base	ND	
ER-A-94	Lilac Cove Base	ND	
ER-A-95	Dark Brown Mastic on 91B	ND	
ER-A-96	6" Dark Brown Cove Base w/ 95C	<0.46	Chrysotile
ER-A-97	4" Brown Cove Base	ND	
ER-A-98	Black Cove Base	ND	
ER-A-99	Stricky Yellow Mastic w/ 97A	ND	
ER-A-100	Cream Mastic on 98A	ND	
ER-A-101	Hard Yellow Mastic on 96C	ND	
ER-A-102	Cream + Dark Brown Mastic on 94B	<0.35	Chrysotile
ER-A-108	White Roller Strap - Pilot Plant	ND	
ER-A-110	Fume Hood Side Panels - Pilot Plant	ND	
ER-A-113	Black Lab Top - Pilot Plant	ND	
ER-A-114	Black Lab Top (#2) -Pilot Plant	ND	
ER-A-115	White Lab Top -Pilot Plant	ND	
ER-A-116	Gray Chemical Cabinet Wall Panel - Pilot Plant	ND	
ER-A-117	Interior White Window Frame Caulk - Pilot Plant	ND	
ER-A-118	Black Window Caulk (Over Rubber) - Pilot Plant	ND	

Note:

1. ND = Non Detect

Table 3A
Summary of PCB Analytical Results
Engineering and Research Building
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										PCB Cleanup Standards	High Occupancy	Unconditional	1 mg/kg
											Low Occupancy	Encapsulated/Capped	10 mg/kg
												Unconditional	25 mg/kg
											Encapsulated/Capped	100 mg/kg	
Sample Data				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
				NS	NS	NS	NS	NS	NS	NS	NS	NS	1
Sample	Matrix	Location	Date										
ER-PCB-01	Light Green Paint	Room 303	11/5/2018	< 0.2	< 0.2	< 0.2	< 0.2	6.0	6.4	7.9	< 0.2	< 0.2	20.3
ER-PCB-02	White Paint	Room 325	11/5/2018	< 0.2	< 0.2	< 0.2	< 0.2	5.1	3.2	6.6	< 0.2	< 0.2	14.9
ER-PCB-03	Light Blue Paint	Room 323	11/5/2018	< 0.3	< 0.3	< 0.3	< 0.3	3.4	< 0.3	6.8	< 0.3	< 0.3	10.2
ER-PCB-04	Gray Caulk	Interior	11/5/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	19000	31000	< 0.2	< 0.2	50000.0
ER-PCB-05	Clear Caulk	Interior Window	11/5/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	33000	< 0.2	< 0.2	33000.0
ER-PCB-06	Purple Paint	Room 107	11/6/2018	< 0.3	< 0.3	< 0.3	< 0.3	4.8	3.9	5.5	< 0.3	< 0.3	14.2
ER-PCB-07	Brown Paint	Room 226	11/6/2018	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	24	< 0.3	< 0.3	24.0
ER-PCB-08	1st Floor White Window Sill	Room 113	11/6/2018	< 0.2	< 0.2	< 0.2	< 0.2	26	53	110	< 0.2	< 0.2	189.0
ER-PCB-09	1st Floor Wall Joint Caulk	Interior Expansion Joint Toom 115	11/6/2018	< 0.2	< 0.2	< 0.2	< 0.2	0.33	< 0.2	< 0.2	< 0.2	< 0.2	0.3
ER-PCB-10	Clear Caulk	HVAC Room 105	11/6/2018	< 0.2	< 0.2	< 0.2	< 0.2	0.53	< 0.2	0.39	< 0.2	< 0.2	0.9
ER-PCB-11	Gray Caulk	HVAC Room 1st Floor	11/6/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	49	< 0.2	< 0.2	49.0
ER-PCB-12	Gray Weather Strip	1st Floor, Rear Vestibule	11/7/2018	< 0.2	< 0.2	< 0.2	< 0.2	2.1	< 0.2	2.7	< 0.2	< 0.2	4.8
ER-PCB-13	Silver Door Caulk	All Exterior Doors	11/7/2018	< 0.2	< 0.2	< 0.2	< 0.2	0.66	< 0.2	0.36	< 0.2	< 0.2	1.02
ER-PCB-14	Black Window Caulk	Pilot Plant	11/7/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.42	< 0.2	< 0.2	< 0.2	0.4
ER-PCB-15	Mint Green Paint	Pilot Plant	11/7/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	6.5	2.7	< 0.2	< 0.2	9.2
ER-PCB-16	Gray Caulk	Exterior	11/7/2018	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 6	< 6	< 6	ND
ER-PCB-17	White Caulk	Exterior	11/7/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 20	< 20	< 20	ND
ER-PCB-18	Elevator Oil	Basement Elevator Shaft	11/8/2018	< 1	< 1	< 1	< 1	1.4	< 1	< 1	< 1	< 1	1.4

Notes:

1. All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm) unless otherwise indicated.
- 2 "<" indicates that parameter was not present above the given analytical detection limit.
3. Samples collected by Nobis on the dates indicated.
4. Laboratory analyses performed by Eastern Analytical, Inc. of Concord, NH.
5. PCB Cleanup levels are stated in 40 CFR § 761.61. Cleanup Levels listed are for bulk PCB remediation waste 40 CFR § 761.61 (a)(4)(i), and porous surfaces 40 CFR § 761.61 (a)(4)(iii).
6. High Occupancy Use: Defined under TSCA as any area where PCB remediation waste has been disposed of on-site, and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for bulk PCB remediation waste.
7. Low Occupancy Use: Defined under TSCA as any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste.
8. NS= No Standard
9. Not Detected

Table 4A
Summary of LBP XRF Analytical Results
Engineering and Research Building
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Component	Room	Paint Condition	Color	XRF Reading (mg/cm ²)	Location
Ladder	Stairwell AA	Poor	Brown	1.8	Third Floor
Machine Base	17	Poor	Gray	2.1	
Porcelain Sink Glaze	20	Poor	White	35	
Cabinet Frame	18	Poor	Gray	4.1	Second Floor
Cabinet Door	18	Poor	Gray	8.6	
Shelf	18	Poor	Gray	6.8	
Porcelain Sink Glaze	23	Poor	White	40	
Ladder	50	Poor	Blue	1.8	
Hand Rail	50	Poor	Lt-Blue	1.3	
Beam	50	Poor	White	3.4	First Floor
Corner Beam	50	Poor	Lt-Blue	14.8	
Garage Door	50	Poor	Lt-Blue	2	
Garage Door Jamb	50	Poor	Lt-Blue	1.8	
Porcelain Sink Glaze	23	Poor	White	35	
Post	33	Poor	Brown	1.7	
Stair Stringer	1	Poor	Lt-Blue	1.1	Basement
Hand Rail	1	Poor	Yellow	1.4	
Headerboard	1	Poor	Blue	2.8	
Beam	1	Poor	Green	4.2	
Door Jamb	Exterior D3	Poor	Lt-Blue	1.9	Exterior

Note:

1. Only XRF results greater than 1 mg/cm² are shown. See Appendix B for a full summary of XRF results.
2. Note that sample locations are depicted in Appendix C of LBP Report

Table 5A
Summary of Mold Analytical Results
Engineering and Research Building
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Sample ID	ER-M-01	ER-M-02	ER-M-03	ER-M-04	ER-M-05	ER-M-06	ER-M-07	ER-M-08	ER-M-09	ER-M-10	ER-M-11	ER-M-12	ER-M-13	ER-M-14	ER-M-15
Sample Location	Room 325	Room 315	Room 320	Room 301	Room 225A	Room 215	Room 220	Room 108	1st Floor Hallway	Room 126	1st Floor Pilot Plant	Room 205	Room 228A	Outside 332	Room 109
Alternaria (Ulocladium)	*>1000*	*101-1000*	-	*101-1000*	-	-	-	-	-	-	-	*>1000*	-	-	1-10
Aspergillus/Penicillium	-	-	-	*>1000*	-	-	11-100	-	1-10	-	-	>1000	>1000	101-1000	101-1000
Basidiospores	-	-	-	-	-	-	-	-	1-10	-	*>1000*	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	*>1000*	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	11-100	-	-	-	-	-	-	101-1000	-	-	1-10
Pithomyces++	101-1000	11-100	-	11-100	-	-	-	-	-	-	-	*101-1000*	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	*11-100*	-	-	*101-1000*	-	*>1000*	-	-	101-1000	-	-	-	11-100	*101-1000*
Unidentifiable Spores	-	-	-	-	-	11-100	-	-	-	-	-	-	-	-	-
Chrysotilia/Neurospora	-	-	-	-	-	*101-1000*	-	-	-	-	-	-	-	-	-
Mucor	-	-	-	-	-	*>1000*	-	-	-	-	*101-1000*	-	-	-	-
Hyphal Fragment	-	-	11-100	-	11-100	-	-	-	1-10	-	-	-	-	-	-

Note:

1. Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000 Count/ area analyzed
2. - = Non Detect
3. ++ = Includes other spores with similar morphology
- 4.* = Spores contain fruiting structures and are within an active state

Table 6A
Cost Estimates
Engineering and Research Building
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Material	Estimated Quantity	Units	Price Per Unit	Abatement/ Disposal Cost Estimate
Asbestos				
Large windows (3.5x11 window sets)	126	EA	\$400.00	\$50,400.00
Floor tile and mastic	36,499	SF	\$6.00	\$218,994.00
Covebase Mastic	550	LF	\$5.00	\$2,750.00
Sinks with glazing	7	Each	\$150.00	\$1,050.00
Mudded fittings and elbows (all size piping)	571	Each	\$35.00	\$19,985.00
Built Up Roof	8000	SF	\$25.00	\$200,000.00
Roof Flashing	450	LF	\$10.00	\$4,500.00
Door glazing/chair rail caulking	45	LF	\$15.00	\$675.00
Pipe Insulation	2500	LF	\$22.00	\$55,000.00
Transite Sheet	136	SF	\$8.00	\$1,088.00
Joint Compound/ dry wall	78000	SF	\$9.00	\$702,000.00
Vermiculite wall insulation	3000	SF	\$20.00	\$60,000.00
Wiring	4200	LF	\$10.00	\$42,000.00
Block/ Expansion joint caulking	1150	LF	\$12.00	\$13,800.00
Sub Total				\$1,372,242.00
PCBs				
Light Green Paint	800	SF	\$7.00	\$5,600.00
White Paint	15000	SF	\$7.00	\$105,000.00
Light Blue Paint	5500	SF	\$7.00	\$38,500.00
Gray Caulk	150	SF	\$20.00	\$3,000.00
Clear Caulk	150	SF	\$20.00	\$3,000.00
Purple Paint	300	SF	\$7.00	\$2,100.00
Brown Paint	2000	SF	\$7.00	\$14,000.00
1st Floor White Window Sill	100	SF	\$7.00	\$700.00
Gray Caulk	50	SF	\$20.00	\$1,000.00
Gray Weather Strip	100	LF	\$7.50	\$750.00
Silver Door Caulk	100	SF	\$20.00	\$2,000.00
Black Window Caulk	250	LF	\$7.50	\$1,875.00
Mint Green Paint	2500	SF	\$7.00	\$17,500.00
Elevator Oil	6	55-gal Drum	\$1,500.00	\$9,000.00
Sub Total				\$204,025.00
Universal Waste				
4' and 8' Fluorescent light tubes	2563	Each	\$0.10	\$256.30
Fluorescent light ballasts	1325	Each	\$15.00	\$19,875.00
Curved Bulbs	80	Each	\$2.00	\$160.00
Mercury switch containing thermostats	3	Each	\$50.00	\$150.00
Emergency lights	11	Each	\$15.00	\$165.00
Exit sign	10	Each	\$15.00	\$150.00
Transformers	11	Each		TBD
Space heater	5	Each	\$20.00	\$100.00
Sub Total				\$20,856.30
Grand Total				\$1,597,123.30

Table 1B
Summary of Asbestos Analytical Results
Building 11
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Sample ID	Sample Location	Sample Description	Total Asbestos	Asbestos Type
11-A-13	Conveyer Corridor	Gray Expansion Joint Caulk (older)	3	Chrysotile
	Coater Bldg 1st Floor		Pos Stop	
11-A-15	Coater Bldg (1st Fl.)	Interior Window Glazing (Type 1)	2	Chrysotile
	Color Prerp (Control Room)		Pos Stop	
11-A-16	Repair Shop (Break Room)	Interior Window Glazing (Type 2)	2	Chrysotile
	Repair Shop Office		Pos Stop	
11-A-17	Store Parts House Office	Interior Window Glazing (Type 3)	2	Chrysotile
11-A-18	Store Parts House Office	Interior Window Glazing (Type 4)	2	Chrysotile
11-A-26	Coater Bldg Electrical	Black Switch Gear Panel	20	Chrysotile
11-A-27	Coater Bldg (Office/Lab)	Black Lap Top	15	Chrysotile
11-A-30	New Machine Shop	Tan Stick Pin Adhesive	15	Chrysotile
11-A-52	Coater Bldg Office/ Lab	9x9 Gray Floor Tile (Type 1)	3	Chrysotile
11-A-54	Parts Store House SW Locker Room	9x9 Gray Floor Tile (Type 2)	3	Chrysotile
11-A-55	Parts Store House SW Locker Room	9x9 Gray Floor Tile Mastic (Type 2)	8	Chrysotile
11-A-56	Color Prep Basement Control Room	9x9 Gray Floor Tile (Type 3)	3	Chrysotile
11-A-62	Repair Parts Store House Office Area	Gray Sheet Flooring Adhesive	5	Chrysotile
11-A-63	Repair Parts Store House Office Area	Tan Sheet Flooring	20	Chrysotile
11-A-65	Repair Parts Store House Office Area	Red Sheet Flooring	20	Chrysotile
11-A-67	Color Prep Sub Basement	Red Coating on Metal Wall Panel	2	Chrysotile
	Repair Shop Loading		Pos Stop	
	Parts Store House (North)		Pos Stop	
	Exterior SW Corner		Pos Stop	
	Exterior East Side		Pos Stop	
11-A-69	Locker Room Basement	Tank Insulation	10	Amosite
11-A-70	Coater Room East Side	Steam Pipe Riser Insulation	7	Amosite
11-A-71	Repair Shop 1st Floor	Pipe Insulation (old)	10	Amosite
	Parts Storage House Office		Pos Stop	
11-A-73	Roller Area Basement (NW)	Mud Fitting	3	Chrysotile
	Conveyor Corridor		Pos Stop	
	Coater Bldg (NW)		Pos Stop	
	Coater Bldg (NE)		Pos Stop	
	Color Prep (Sub Basement)		Pos Stop	
	Coater Alley (Mezz)		Pos Stop	
	Repair Shop (1st Floor)		Pos Stop	
11-A-75	Exterior Repair Shop	White Window Glazing	2	Chrysotile
	Exterior Paint Shop		Pos Stop	
11-A-76	Exterior Repair Parts Stove House Office	Gray Window Glazing	3	Chrysotile
11-A-78	Repair Shop Roof	Black Built Up Roof	7	Chrysotile
	Coater Alley Roof		Pos Stop	
	Train Shed Roof		Pos Stop	
11-A-79	Chemical Storage Roof	Black Flashing	14.7	Chrysotile
	Repair Shop Roof		Pos Stop	
	Coater Alley Roof		Pos Stop	
	Train Shed Roof		Pos Stop	
11-A-80	New Machine Shop Roof	Black Tar & Paper (Type 1)	15	Chrysotile
11-A-81	Train Shed Roof	Black Tar & Paper (Type 2)	15	Chrysotile
11-A-82	Coater Alley Roof	Stantion Flashing	3	Chrysotile
11-A-83	Exterior Coater Alley North Side	Roof Debris on Ground	20	Chrysotile
Vermiculite wall insulation		Roller Room Mezz (Electrical Room)	Assumed ACM	

Note:

1. Assumed = The material was not sampled and is presumed ACM
2. Pos Stop = Presumed ACM due to one sample in sample set containing more than 1% asbestos

Table 2B
Summary of Non-Asbestos Analytical Results
Building 11
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Sample ID	Sample Description	Sample Location
11-A-01	2x4 Ceiling Tile (Fissured)	Repair Parts Office Area
		Repair Shop Break Room
		Parts Stove House Office Area
11-A-02	1x1 Ceiling Tile (Spline)	Repair Shop Office Area
11-A-03	1x2 Ceiling Tile (1x1 Pattern)	Repair Shop Company Store
11-A-04	1x1 Ceiling Tile (Pin Dot)	Parts Store House Office Area
11-A-05	1x1 Ceiling Tile Glue Daub	Parts Store House Office Area
11-A-06	White Fire Stop	Roller Area Mezz
		Coater Bldg. (Northwest)
11-A-07	Red Fire Stop	Coater Bldg. (Northwest)
11-A-08	Gray Sink Coat	Repair Shop Break Room
11-A-09	Black Sink Coat	Parts Store House Upper Office
11-A-10	Gray Duct Seam Sealant	Coater Bldg. Mezz (NE)
		Parts Store House Upper Office (East)
11-A-11	Green Duct Seam Sealant	Locker Area (Upper)
11-A-12	Gray Expansion Joint Caulk (newer)	Roller Room Mezz
11-A-14	Interior Window Frame Caulk	Coater Bldg (1st Fl.)
		Color Prep Control Room
11-A-19	Gypsum Wall Board	Coater Bldg (1st Floor Off/Lab)
		Parts Store House (Office Area)
11-A-20	Joint Compound	Coater Bldg (1st Fl. Off/Lab)
		Parts Store House (Office Area)
11-A-21	Red Flange Gasket	Coater Bldg (NE Basement)
11-A-22	Black Roof Drippings	Coater Bldg Mezz
11-A-23	Electrical Wire Insul. (Light Fixture)	Coater Bldg
11-A-24	Red Pipe Hanger	Coater Bldg
11-A-25	Gray Rolled Stripping	Coater Bldg Mezz (NE)
11-A-28	Black Starch Hose	Color Prep (Basement)
11-A-29	White Stick Pin Adhesive	Roller Room Mezz
		Coater Alley Mezz
11-A-31	4" Blue Cove Base	Repair Parts Store House Office Area
11-A-32	4" Blue Cove Base Adhesive	Repair Parts Store House Office Area
11-A-33	4" Brown Cove Base (Type 1)	Repair Parts Store House Office Area
11-A-34	4" Brown Cove Base Adhesive (Type 1)	Repair Parts Store House Office Area
11-A-35	4" Brown Cove Base (Type 2)	Parts Store House (Office)
		Repair Shop Break Room
11-A-36	4" Brown Cove Base Adhesive (Type 2)	Parts Store House (Office)
		Repair Shop Break Room
11-A-37	4" Black Cove Base (Type 1)	Coater Bldg Office/Lab
11-A-38	4" Black Cove Base Adhesive (Type 1)	Coater Bldg Office/Lab
11-A-39	4" Black Cove Base (Type 2)	Repair Shop Tool Room
11-A-40	4" Black Cove Base Adhesive (Type 2)	Repair Shop Tool Room

Table 2B
Summary of Non-Asbestos Analytical Results
Building 11
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Sample ID	Sample Description	Sample Location
11-A-41	Ceramic Floor Tile Grout	Lockers Basement
		Lockers 1st Floor
11-A-42	Ceramic Floor Tile Mortar	Lockers Basement
		Lockers 1st Floor
11-A-43	12x12 Tan Floor Tile (Self Stick)	Repair Parts Store House Women's Room
11-A-44	12x12 Gray Floor Tile	Repair Shop Office Area
11-A-45	12x12 Grey Floor Tile Mastic	Repair Shop Office Area
11-A-46	12x12 Red Floor Tile	Repair Shop Office Entry
11-A-47	12x12 Red Floor Tile Mastic	Repair Shop Office Entry
11-A-48	12x12 White Floor Tile	Coater Bldg Office Lab
11-A-49	12x12 White Floor Tile Mastic	Coater Bldg Office/ Lab
11-A-50	12x12 Tan Floor Tile	Parts Store House Office Area
11-A-51	12x12 Tan Floor Tile Mastic	Parts Store House Office Area
11-A-53	9x9 Gray Floor Tile Mastic (Type 1)	Coater Bldg Office/ Lab
11-A-57	9x9 Gray Floor Tile Mastic (Type 3)	Color Prep Basement Control Room
11-A-58	Red Sheet Flooring (Multi-Layers)	Parts Store House Office Area
11-A-59	Green Sheet Flooring	Repair Parts Store House Office Area
11-A-60	Green Sheet Flooring Adhesive	Repair Parts Store House Office Area
11-A-61	Gray Sheet Flooring	Repair Parts Store House Office Area
11-A-64	Tan Sheet Flooring Adhesive	Repair Parts Store House Office Area
11-A-66	Red Sheet Flooring Adhesive	Repair Parts Store House Office Area
11-A-68	Debris on Floor	Conveyor Corridor
		Color Prep Basement
		Coater Alley HVAC Catwalk
11-A-72	Pipe Insulation (new)	Roller Area Basement
		Roller Area (NW)
		Coater Bldg (NW)
		Locker Room (1st Floor)
11-A-74	Gray Foundation Caulk	Exterior Rail Shed NW
11-A-77	White Duct Seam Tape	Repair Shop Roof

Table 3B
Summary of PCB Analytical Results
Building 11
Page 1 of 1

Sample Data				PCB Cleanup Standards							High Occupancy		Unconditional		1 mg/kg
				PCB Cleanup Standards							Encapsulated/Capped		Unconditional		10 mg/kg
Sample Data				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs		
				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1
Sample	Matrix	Location	Date												
11-PCB-01	Oil, Around Equipment	Roller Room Basement	10/30/2018	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	ND	
11-PCB-02	Gray Caulking in Expansion Joint	Roller Room Basement Mezzanine	10/30/2018	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	16	< 0.1	< 0.1	< 0.1	< 0.1	16.0	
11-PCB-03	White Caulking in Expansion Joint	Basement, Conveyer Corridor	10/30/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	10	< 0.2	< 0.2	< 0.2	< 0.2	10.0	
11-PCB-04	Tan Paint on Beam	Basement, Conveyer Corridor	10/30/2018	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	22	< 0.4	< 0.4	< 0.4	< 0.4	22.0	
11-PCB-05	Dark BluePaint	Coater Building Basement	10/30/2018	< 0.4	< 0.4	< 0.4	< 0.4	38	17	< 0.4	< 0.4	< 0.4	< 0.4	55.0	
11-PCB-06	White Paint	Coater Building Basement	10/30/2018	< 0.1	< 0.1	< 0.1	< 0.1	12	8.2	< 0.1	< 0.1	< 0.1	< 0.1	20.2	
11-PCB-07	Light Blue Paint	Coater Building Basement	10/30/2018	< 0.2	< 0.2	< 0.2	< 0.2	29	14	< 0.2	< 0.2	< 0.2	< 0.2	43.0	
11-PCB-08	Red Paint	Coater Building Basement	10/30/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	3.6	2.8	< 0.2	< 0.2	< 0.2	6.4	
11-PCB-09	Yellow Paint	Coater Building Basement	10/30/2018	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	12	< 0.1	< 0.1	< 0.1	< 0.1	12.0	
11-PCB-10	Silver Caulk on Duct Work	Coater Building Basement Mezzanine	10/30/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	1.8	< 0.2	< 0.2	< 0.2	< 0.2	1.8	
11-PCB-11	Old Expansion Joint Caulk	Coater Building 1st Floor	10/30/2018	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	0.87	< 0.4	< 0.4	< 0.4	< 0.4	0.9	
11-PCB-12	Window Glazing	Coater Building 1st Floor	10/30/2018	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1	< 0.1	< 0.1	< 0.1	< 0.1	1.0	
11-PCB-13	Green Paint	Coater Building 1st Floor, Labs and Offices	10/30/2018	< 0.1	< 0.1	< 0.1	< 0.1	5.5	4.2	0.7	< 0.1	< 0.1	< 0.1	10.40	
11-PCB-14	Gray Floor Paint	Coater Building 1st Floor, Labs and Offices	10/30/2018	< 0.2	< 0.2	< 0.2	< 0.2	2.1	1.9	1	< 0.2	< 0.2	< 0.2	5.00	
11-PCB-15	Gray Floor Paint	Basement Locker Area	10/31/2018	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	2.6	1.7	< 0.1	< 0.1	< 0.1	4.3	
11-PCB-16	Clear Duct Caulk on A/C no. 1	Basement, New Machine Shop	10/31/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	9	0.81	< 0.2	< 0.2	< 0.2	9.8	
11-PCB-17	Oil, From Grinder Area	Basement, New Machine Shop	10/31/2018	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	ND	
11-PCB-18	Green Locker Paint	1st Floor Locker Area	10/31/2018	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	4	0.79	< 0.2	< 0.2	< 0.2	4.8	

Notes:

- All concentrations reported in milligrams per kilogram (mg/kg) equivalent to parts per million (ppm) unless otherwise indicated.
- "<" indicates that parameter was not present above the given analytical detection limit.
- Samples collected by Nobis on the dates indicated.
- Laboratory analyses performed by Eastern Analytical, Inc. of Concord, NH.
- PCB Cleanup levels are stated in 40 CFR § 761.61. Cleanup Levels listed are for bulk PCB remediation waste 40 CFR § 761.61 (a)(4)(i), and porous surfaces 40 CFR § 761.61 (a)(4)(iii).
- High Occupancy Use: Defined under TSCA as any area where PCB remediation waste has been disposed of on-site, and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for bulk PCB remediation waste.
- Low Occupancy Use: Defined under TSCA as any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste.
- NS= No Standard
- ND= Not Detected

Table 4B
Summary of LBP XRF Analytical Results
Building 11
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Component	Room	Paint Condition	Color	XRF Reading (mg/cm ²)	Location
Pipe	1	Deteriorated	Red	1.9	1st Floor
Machine Cover	1	Deteriorated	Green	1.2	
Pipe	17	Deteriorated	Red	2.5	
Catwalk Ladder	17	Deteriorated	Yellow	1.3	
Center Room Structural Beam	17	Deteriorated	Blue	2	
Center Room Structural Beam	17	Deteriorated	Green	1.6	
Hand Rail	17	Deteriorated	Yellow	1	
Red Piping	17	Deteriorated	Red	2.8	
Skirting Around Open Area	17	Deteriorated	Blue	4.3	
Skirting Around Open Area	17	Deteriorated	Blue	1	
Skirting Around Open Area	17	Deteriorated	Blue	1	
Skirting Around Open Area	17	Deteriorated	Blue	1	
Skirting Around Open Area	17	Deteriorated	Blue	1	
Skirting Around Open Area	17	Deteriorated	Blue	1	
Red Piping	17	Deteriorated	Red	1	
Door Casing	18	Deteriorated	Blue	2	
Door Casing	18	Deteriorated	White	2.1	
Door Jamb	18	Deteriorated	White	2.2	
Door Jamb	18	Deteriorated	Blue	2.7	
Door	19	Deteriorated	Blue	4.3	
Door Casing	19	Deteriorated	White	2.8	
Door Jamb	19	Deteriorated	White	1.3	
Door Casing	19	Deteriorated	Blue	2.5	
Door Jamb	19	Deteriorated	Blue	1.4	
Structural Beam	19	Deteriorated	White	1.1	
Window Case	20	Deteriorated	Pink	3.3	
Vent	20	Deteriorated	White	2.7	
Vent Casing	20	Deteriorated	Blue	1.9	
Door	20	Deteriorated	White	2.1	
Door Casing	20	Deteriorated	White	2.7	
Door Jamb	20	Deteriorated	White	2.1	
Structural Beam	20	Deteriorated	Brown	2.6	
Structural Beam	24	Deteriorated	White	1.9	
Structural Beam	24	Deteriorated	Blue	1.7	
Cabinet Frame	23	Deteriorated	Green	2.6	
Cabinet Door	23	Deteriorated	Green	6.9	
Structural Beam	27	Deteriorated	Blue	2.5	
Window Sill	31	Deteriorated	Green	5	
Structural Beam	31	Deteriorated	Red	4.5	
Structural Beam	31	Deteriorated	Green	5.7	
Structural Beam	31	Deteriorated	White	4.3	
Support Structural Beam	31	Deteriorated	White	3.7	
Door Casing	31	Deteriorated	Green	4.4	
Door Jamb	31	Deteriorated	Green	2.1	
Transom Window Casing	31	Deteriorated	White	1.5	
Structural Beam	32	Deteriorated	Green	3.8	
Structural Beam	32	Deteriorated	White	4.1	
Door Casing	32	Deteriorated	Green	1.9	
Door Jamb	32	Deteriorated	Green	2	

Table 4B
Summary of LBP XRF Analytical Results
Building 11
Page 2 of 5

Component	Room	Paint Condition	Color	XRF Reading (mg/cm ²)	Location
Machine at B End on Ceiling	33	Deteriorated	Orange	3.9	1st Floor
Structural Beams	33	Deteriorated	White	3.8	
Fire Main Pipe	34	Deteriorated	Red	2.6	
Q1 Structural Beam	34	Deteriorated	Blue	6.3	
Q1 Structural Beam	34	Deteriorated	White	3.2	
Fire Hose Reel Casing	34	Deteriorated	Red	1.2	
Structural Beam	34	Deteriorated	Green	2.6	
Load Hog Charger Stand	34	Deteriorated	Green	1.4	
Upper Stair Stringer	34	Deteriorated	Green	6.5	
Upper Stair Underpan	34	Deteriorated	Green	4.3	
Upper Stairway Hand Rail	34	Deteriorated	Yellow	1.0	
J2 Structural Beam	35	Deteriorated	Green	2.9	
Structural Beams	35	Deteriorated	White	2.8	
Wall	36	Deteriorated	Blue	1.4	
Wall	36	Deteriorated	Green	2.7	
Wall	36	Deteriorated	Red	1.3	
Stair Stringer	36	Deteriorated	Blue	1.4	
Hand Rail	36	Deteriorated	Yellow	1.4	
Window Sash	36	Deteriorated	Blue	1.8	
Window Case	36	Deteriorated	Blue	2.6	
Post By A6 Door	36	Deteriorated	Yellow	2.2	
Pipe By A7 Door	36	Deteriorated	Red	2.6	
Structural Beam By Corkboard	36	Deteriorated	White	5.7	
Structural Beam	36	Deteriorated	Blue	14.2	
Structural Beam	36	Deteriorated	White	12.5	
Fence	36	Deteriorated	Orange	1.0	
Catwalk Structural Beam	36	Deteriorated	White	1.6	
Catwalk Structural Beam	36	Deteriorated	Green	2.9	
Catwalk Ladder	36	Deteriorated	Yellow	2.0	
Equipment	36	Deteriorated	White	1.3	
Equipment	36	Deteriorated	Orange	5.8	
#3 Table and #58 Drill Press	36	Deteriorated	Orange	4.2	
Window Sash	38	Deteriorated	White	9.0	
Window Sash	39	Deteriorated	Green	2.5	
Door Jamb	42	Deteriorated	Green	1.4	
Pipe	42	Deteriorated	Red	1	
Door Jamb	43	Deteriorated	Green	1.9	
Door Jamb	43	Deteriorated	Blue	2	
Window Casing/ Wall Casing	43	Deteriorated	Pink	1.9	
Door Jamb	47	Deteriorated	White	6.7	
Structural Beam	62	Deteriorated	White	1.8	
Door Jamb	64	Deteriorated	White	9.3	
Door Casing	64	Deteriorated	Black	1.7	
Door Casing	65	Deteriorated	Blue	5.6	
Door Jamb	65	Deteriorated	Pink	1.1	
Structural Beam Next To A1 Door	65	Deteriorated	Red	1.1	
Window Sill	66	Deteriorated	White	1.7	
Structural Beam Between A2/A3	66	Deteriorated	White	4.9	
Sill	66	Deteriorated	White	3.9	
Catwalk Frame By D2	67	Deteriorated	Yellow	1.2	
Structural Beams	67	Deteriorated	Orange	1.5	

Table 4B
Summary of LBP XRF Analytical Results
Building 11
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Component	Room	Paint Condition	Color	XRF Reading (mg/cm ²)	Location
Catwalk Frame/ Structure	67	Deteriorated	Blue	2.1	1st Floor
Structural Beams By A3	67	Deteriorated	Lt-Green	5.8	
Structural Beams By A4	67	Deteriorated	White	11.5	
Door Casing	67	Deteriorated	Lt-Blue	2.2	
Shelf By B3/B4	67	Deteriorated	White	2	
Door Jamb	67	Deteriorated	Orange	2.4	
Door Jamb	67	Deteriorated	White	3.5	
Structural Beam	69	Deteriorated	White	4.1	
Wall	70	Deteriorated	Brown	1.5	
Wall	70	Deteriorated	White	4	
Wall	70	Deteriorated	Green	3.8	
Hand Rail	70	Deteriorated	Yellow	5.1	
Hand Rail	70	Deteriorated	Black	5	
Shelf	70	Deteriorated	White	1.2	
Hand Spicket	75	Deteriorated	Green	4.5	
Pipe 3PH	75	Deteriorated	Yellow	1.1	
Door Casing	75	Deteriorated	Green	2.8	
Door Jamb	75	Deteriorated	Green	2.4	
Door Casing	75	Deteriorated	Green	3.5	
Door Casing	75	Deteriorated	Red	2.9	
Door Casing	75	Deteriorated	White	3.1	
Structural Beam CKT39	75	Deteriorated	Green	2.9	
Structural Beam CKT39	75	Deteriorated	Blue	3.2	
Door/ Barn Door	75	Deteriorated	Green	2.6	
Door Casing/ Barn Door	75	Deteriorated	Green	2.7	
Door Casing	77	Deteriorated	Gray	1.6	
Stair Stringer	77	Deteriorated	Gray	6.3	
Vertical Structural Beam	77	Deteriorated	White	6.4	
Horizontal Structural Beam	77	Deteriorated	White	4.4	
Door Casing	77	Deteriorated	Green	2	
Door Jamb	77	Deteriorated	Green	1.4	
Door Casing	77	Deteriorated	Gray	1.4	
Door Jamb	77	Deteriorated	Gray	3.6	
Wall	78	Deteriorated	White	2.4	
Structural Beam	78	Deteriorated	White	5.4	
Door Jamb	78	Deteriorated	White	3.4	
Structural Beam	79	Deteriorated	Green	5	
Structural Beam	79	Deteriorated	White	5.1	
Structural Beam	79	Deteriorated	White	5.3	
Door Casing	79	Deteriorated	Green	1.6	
Door Jamb	79	Deteriorated	Green	1.8	
Sink	80	Deteriorated	White	8	
Structural Beam	80	Deteriorated	White	6.7	
Door Casing	81	Deteriorated	Green	2.6	
Door Jamb	81	Deteriorated	Green	2.6	
Structural Beam	81	Deteriorated	White	3.9	
Structural Beam	81	Deteriorated	Green	3.4	
Door Casing	81	Deteriorated	Green	1.9	
Door Jamb	81	Deteriorated	Green	1	

Table 4B
Summary of LBP XRF Analytical Results
Building 11
Page 4 of 5

Component	Room	Paint Condition	Color	XRF Reading (mg/cm ²)	Location
Door Jamb	81	Deteriorated	Gray	1.4	Basement
Door Jamb	82	Deteriorated	Blue	1.3	
Closet Wall	82	Deteriorated	blue	2.2	
Vertical Structural Beam	82	Deteriorated	Blue	3.3	
Horizontal Structural Beam	82	Deteriorated	Lt-Blue	3.2	
Door Casing	82	Deteriorated	White	1.4	
Door Jamb	82	Deteriorated	Blue	1.6	
Vent Casing	82	Deteriorated	Green	2.2	
Structural Beam	82	Deteriorated	White	3.7	
Vertical Structural Beam	83	Deteriorated	Green	3.7	
Vertical Structural Beam	83	Deteriorated	White	3.3	Basement
Vertical Structural Beam	83	Deteriorated	Blue	2.5	
3 Mix Tank	83	Deteriorated	Orange	1.9	
Hi Brite Tank Ladder	83	Deteriorated	Yellow	1.2	
Ladder In Front of A3	83	Deteriorated	Yellow	3.9	
Door Casing	83	Deteriorated	Green	2.7	
Door Jamb	83	Deteriorated	Green	2	
Cabinet Frame	84	Deteriorated	Blue	8.8	
Cabinet Door	84	Deteriorated	Blue	4.8	
Door	85	Deteriorated	Red	14.3	
Vertical Structural Beam	85	Deteriorated	White	1.8	
Vertical Structural Beam	85	Deteriorated	Green	1.6	
Peeling Orange Sign	85	Deteriorated	Orange	7.7	
Wall Support	85	Deteriorated	White	2.5	
Vertical Structural Beam	87	Deteriorated	White	2.7	
Vertical Structural Beam	87	Deteriorated	Blue	2.6	
JB-7 Machine	87	Deteriorated	Red	2.1	
Door Casing	87	Deteriorated	Green	2.6	
Work Bench By C1	87	Deteriorated	Green	1.1	
Transom Window Casing	87	Deteriorated	Lt-Blue	1.1	
Door Jamb	87	Deteriorated	White	2.6	
Sink	87	Deteriorated	White	14.1	
Stair Stringer By B5	87	Deteriorated	Green	2.8	
#1 Coater Panel Frame	87	Deteriorated	Green	3.8	
Door Casing	87	Deteriorated	Lt-Blue	1.8	
Door Jamb	87	Deteriorated	Green	1.8	
Green Backer Panel	87	Deteriorated	Green	10	
Stair Stringer	87	Deteriorated	Green	2.6	
Stair Stringer	87	Deteriorated	Blue	2.4	
Door Casing	87	Deteriorated	Green	2.1	
Door Jamb	87	Deteriorated	White	1.6	
Hook Lift Base	87	Deteriorated	Yellow	2.9	
Vertical Structural Beam	88	Deteriorated	Blue	7.1	
Vertical Structural Beam	88	Deteriorated	Green	2.6	
Vertical Structural Beam	88	Deteriorated	White	1.9	
Cabinet Frame	89	Deteriorated	Green	4.3	
Floor Grate	89	Deteriorated	Red	1.2	
Floor Grate	90	Deteriorated	Red	1.1	
Bumper Guard By A1	91	Deteriorated	Yellow	1.4	
Machine Labled 15-6234	91	Deteriorated	Orange	1.4	
Machine Labled 15-6234	91	Deteriorated	Yellow	1.3	
Shield/ Guard Support Posts	91	Deteriorated	Black	1.2	
Door Jamb	92	Deteriorated	White	1.2	
Wire Pulley By C2	92	Deteriorated	Orange	2.7	
Door Casing	92	Deteriorated	White	1	

Table 4B
Summary of LBP XRF Analytical Results
Building 11
Page 5 of 5

Component	Room	Paint Condition	Color	XRF Reading (mg/cm ²)	Location
Pipe	Exterior	Deteriorated	Yellow	2.6	Exterior
Platform Hand Rail	Exterior	Deteriorated	Yellow	1.8	
Wall Siding	Exterior	Deteriorated	Green	1.5	
Structural Beam	Exterior	Deteriorated	blue	1.5	
Structural Beam	Exterior	Deteriorated	Green	2	
Door Casing	Exterior	Deteriorated	White	1.6	
Wall	Exterior	Deteriorated	Red	1.3	
Wall	Exterior	Deteriorated	Green	1.3	
Structural Beam	Exterior	Deteriorated	Yellow	5.5	
Archway	Exterior	Deteriorated	Lt-Green	3.8	
Door Casing	Exterior	Deteriorated	Green	2.8	
Window Sash	Exterior	Deteriorated	Green	3.9	
Window Sash	Exterior	Deteriorated	White	4	
Wall Siding	Exterior	Deteriorated	Red	1.2	Exterior

Note:

Only XRF results greater than 1 mg/cm² are shown. See Appendix B for a full summary of XRF results.

Table 5B
Summary of Mold Analytical Results
Building 11
Page 1 of 1

Sample ID	11-M-01	11-M-02	11-M-03	11-M-04	11-M-05	11-M-06	11-M-07	11-M-08	11-M-09
Sample Location	Coater Building Ctr Room	Coater Building Basement	Coater Building Labs 1st Floor	Locker Rooms	Machine Shop Office	Repair Shop Office	Engineering Dept.	1st Floor Part Store House Office	Storehouse Locker Bathrooms
Aspergillus/Penicillium	-	-	-	-	-	*>1000*	-	-	-
Cladosporium	-	-	-	*101 - 1000*	-	*101 - 1000*	-	*>1000*	-
Scopulariopsis/Microascus	-	*11-100*	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	*>1000*	-	*>1000*	-	*>1000*	-	*>1000*	1-10	*>1000*
Aspergillus	-	-	-	*>1000*	-	-	-	-	-

Note:

1. Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000 Count/ area analyzed
2. - = Non Detect
3. ++ = Includes other spores with similar morphology
- 4.* = Spores contain fruiting structures and are within an active state

Table 6B
Cost Estimates
Building 11
Page 1 of 1

Material	Estimated Quantity	Units	Price Per Unit	Disposal Cost Estimate
Asbestos				
Small windows (3x6 window sets)	55	EA	\$ 250.00	\$ 13,750.00
Floor tile and mastic	10,580	SF	\$ 6.00	\$ 63,480.00
Lab Countertop	15	EA	\$ 250.00	\$ 3,750.00
Roof seam/penetrations sealant	3,400	LF	\$ 10.00	\$ 34,000.00
Mudded fittings and elbows (all size piping)	496	each	\$ 35.00	\$ 17,360.00
Built Up Roof/ tar and paper	138000	SF	\$ 25.00	\$ 3,450,000.00
Roofing debris	30000	SF	\$ 15.00	\$ 450,000.00
Pipe Insulation	1650	LF	\$ 22.00	\$ 36,300.00
Vermiculite wall insulation	900	SF	\$ 20.00	\$ 18,000.00
Tank Insulation	175	SF	\$ 20.00	\$ 3,500.00
Coated metal wall panels	43900	SF	\$ 7.50	\$ 329,250.00
Block/ Expansion joint caulking	450	LF	\$ 12.00	\$ 5,400.00
Sub Total				\$ 4,424,790.00

PCBs				
Gray Caulking in Expansion Joint	450	SF	\$20.00	\$9,000.00
White Caulking in Expansion Joint	500	SF	\$20.00	\$10,000.00
Tan Paint on Beam	5000	SF	\$9.00	\$45,000.00
Dark Blue Paint	90000	SF	\$9.00	\$810,000.00
White Paint	150000	SF	\$9.00	\$1,350,000.00
Light Blue Paint	12000	SF	\$9.00	\$108,000.00
Red Paint	20000	SF	\$9.00	\$180,000.00
Yellow Paint	20000	SF	\$9.00	\$180,000.00
Silver Caulk on Duct Work	300	SF	\$20.00	\$6,000.00
Window Glazing	4	Each	\$600.00	\$2,400.00
Green Paint	12800	SF	\$9.00	\$115,200.00
Gray Floor Paint	27800	SF	\$9.00	\$250,200.00
Gray Floor Paint				
Clear Duct Caulk on A/C no. 1	20	SF	\$9.00	\$180.00
Green Locker Paint	4000	SF	\$9.00	\$36,000.00
Sub Total				\$3,101,980.00

Universal Waste				
4' and 8' Fluorescent light tubes	2851	Each	\$0.10	\$285.10
Fluorescent light ballasts	1598	Each	\$15.00	\$23,970.00
High Pressure Sodium	272	Each	\$5.00	\$1,360.00
Mercury switch containing thermostats	1	Each	\$50.00	\$50.00
emergency lights	17	Each	\$15.00	\$255.00
exit sign	15	Each	\$15.00	\$225.00
Transformers	50	Each		TBD
space heater	60	Each	\$20.00	\$1,200.00
55-Gal drum of hydraulic oil	4	Each	\$1,000.00	\$4,000.00
100-gal Lube oil tank	1	Each	\$800.00	\$800.00
Battery	10	Each	\$50.00	\$500.00
refrigerator	13	Each	\$50.00	\$650.00
Air conditioner	32	Each	\$50.00	\$1,600.00
Acetylene tanks	5	Each	\$50.00	\$250.00
Freon Tanks	40	Each	\$50.00	\$2,000.00
Sub Total				\$37,145.10

Grand Total	\$ 7,563,915.10
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