

APPENDIX B
February 2021 Revised Asbestos-Containing Materials Inventory
Former IP Mill
Erving, Massachusetts

Sample #	Material	Location	Approximate Quantity	Result	Comment
BUILDING 1 (Original Plans) or 1A (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Building 1- Exterior, roof, all levels	4,300 SF Roofing 200 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
A-01/01A, A-02/02A, A-03/03A	12" Gray floor tile and mastic	Building 1- Second floor, hallway	-	Negative	
A-04/04A, A-05/05A, A-06/06A	12" Green floor tile and mastic	Building 1- Second floor, eastern room	-	Negative	
A-07, A-08, A-09	Ceramic tile adhesive	Building 1- Second floor, bathrooms	-	Negative	
A-10, A-11, A-12	Carpet adhesive	Building 1- First and second floor, various rooms and stairwell	-	Negative	
A-13/13A/13B, A-14/14A/14B, A-15/15A/15B	Sheetrock / seam tape / joint compound	Building 1- First and second floor, various rooms	-	Negative	
A-16, A-17, A-18	Wall panel adhesive	Building 1- Second floor, various rooms	-	Negative	Associated with white wall paneling.
A-19, A-20, A-21	Wall panel adhesive	Building 1- Second floor, various rooms	-	Negative	Associated with brown wall paneling.
A-22/22A, A-23/23A, A-24/24A	5" Cove base and adhesive	Building 1- First and second floor, various rooms	-	Negative	
A-25	Sink undercoat	Building 1- Second floor, kitchenette	(1) 2' x 2' sink	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-26, A-27, A-28	2' x 4' Suspended ceiling panel	Building 1- Second floor, various rooms	-	Negative	

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A-29, A-30, A-31, A-117, A-118	Window frame and expansion joint caulking	Building 1- Throughout upper level, both metal /wood framed and lower level around front door	(4) - 5' x 10' and (6) - 5' x 15' and (1) 8' x 15' upper level window and (2) 5' x 10' ground floor openings; 2 CYDS debris	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-38, A-39, A-40	Glass block window frame caulking and expansion joint caulking	Building 1- Lower level glass block window units all sides	930 LF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
AP	Transite components	Building 1- All floors, throughout	1/8 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
AP	Fire doors	Building 1- Second floor, doors to Building 2ADD / 2A	(3) CT	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
BUILDING 2ADD / 2A (Original Plans) or 1C / 1B (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Building 2ADD / 2A- Exterior, roof, all levels	10,200 SF Roofing 500 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
A-35, A-36, A-37	Window frame caulking	Building 2ADD / 2A- Ground floor, throughout	260 LF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-38, A-39, A-40	Window frame caulking	Building 2ADD / 2A- Ground floor and second floor, throughout	940 LF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
AP	Transite components	Building 2ADD / 2A- Ground floor and second floor, throughout	1/2 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT

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BUILDING 2B (Original Plans) or 1D (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Building 2B- Exterior, roof, all levels	1,600 SF Roofing 150 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
"SHIPPING DOCK" BUILDING or 1E (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	"Shipping Dock" Building- Exterior, roof, all levels	1,400 SF Roofing 150 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
BUILDING 2 (Original Plans) or 2 (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Building 2- Exterior, roof, all levels	13,700' SF Roofing 350 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
A-115/115A, A-116/116A	12" Off white floor tile and mastic	Building 2- Basement office area	-	Negative	On rotted wood flooring.
A-41, A-42, A-43	Canvas material	Building 2- Throughout second and third floors	-	Negative	Tacked in place to wood ceiling beams.
AP	Transite components	Building 2- Throughout all levels	1/2 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-103, A-104, A-105, A-106, A-107, A-108 and A-85, A-86, A-87	Glazing compound	Building 2- Throughout second floor	(15) CT full windows; (30) CT partial windows REMAIN	Positive	ALTHOUGH NOT PART OF FEBRUARY 2020 ABATEMENT PROJECT, ABATEMENT CONTRACTOR REMOVED APPROX. 80 WINDOWS AND ASSOCIATED CAULKING & BOARDED THEM UP. Associated with the 4' x 10' wooden arched windows. Many windows boarded up, others have been partially replaced with vinyl windows but upper section of original wood arched window section remains.

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Sample #	Material	Location	Approximate Quantity	Result	Comment
A-80, A-81, A-82	Window frame caulking	Building 2- Throughout entire building (sampled from second floor, south section near shower rooms)	350 LF REMAIN	Positive	ALTHOUGH NOT PART OF FEBRUARY 2020 ABATEMENT PROJECT, ABATEMENT CONTRACTOR REMOVED APPROX. 80 WINDOWS AND ASSOCIATED CAULKING & BOARDED THEM UP. Associated with original wood window openings with arched tops. Caulking beads are sporadic, some of which are concealed behind vinyl replacement windows.
A-44	Gray sink undercoat	Building 2- Second floor, bathroom	-	Negative	
A-45, A-46, A-47	Wall panel adhesive	Building 2- Second floor, bathroom / rooms	-	Negative	Associated with white wall paneling.
A-48, A-49	Vinyl sheet flooring, self stick type	Building 2- Second floor, western rooms, laboratory area	-	Negative	Self adhered type flooring.
A-50, A-51, A-52	Vinyl sheet flooring, pebble pattern	Building 2- Second floor, middle of floor	-	Negative	Associated with a floor area that used to be an enclosed room.
A-53/53A, A-54/54A	12" Off white floor tile and mastic	Building 2- Second floor, southern laboratory space, hallways	-	Negative	Top layer.
A-55, A-56, A-57	Brown wall panel adhesive	Building 2- Second floor, south section, middle laboratory space and middle room	1,100 SF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-58/58A, A-59/59A	Brown vinyl cove base and adhesive	Building 2- Second floor, south section, middle laboratory space and middle room	-	Negative	
A-60/60A, A-61/61A	12" Salmon colored floor tile and mastic	Building 2- Second floor, south section, south laboratory space, cafeteria (top layer)	-	Negative	Middle layer.

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Sample #	Material	Location	Approximate Quantity	Result	Comment
A-62, A-63	Brown jute back flooring	Building 2- Second floor, middle of floor, cafeteria, training room and shower rooms, southwest corner	-	Negative	Bottom layer.
A-83, A-84	Large stone pattern vinyl sheet flooring	Building 2- Second floor, middle of floor, cafeteria, training room and shower rooms, southwest corner	1,900 SF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-64	Black sink undercoat	Building 2- Second floor, south section, south laboratory space	(1) double sink	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-65/65A, A-66/66A, A-67/67A	12" Gray floor tile and mastic	Building 2- Second floor, south section, training room space	-	Negative	Top layer.
A-68/68A, A-69/69A	12" Blue and white checker pattern floor tile and mastic	Building 2- Second floor, south section, south room near labs	-	Negative	Top layer.
A-70/70B, A-71/71B, A-72/72B	Sheetrock / joint compound	Building 2- Second floor, south section, laboratory areas, cafeteria, and shower rooms	-	Negative	Seam tape not observed or it was plastic mesh. Associated with walls.
A-73/73A, A-74/74A	4" Black cove base and adhesive	Building 2- Second floor, south section, laboratory areas, cafeteria, and shower rooms	-	Negative	
A-75, A-76	2' x 2' Suspended ceiling panels	Building 2- Second floor, south section, laboratory areas, cafeteria, and shower rooms	-	Negative	

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Sample #	Material	Location	Approximate Quantity	Result	Comment
A-77	White sink undercoat	Building 2- Second floor, south section, cafeteria	-	Negative	
A-78/78A, A-79/79A	Sheetrock / joint compound	Building 2- Second floor, south section, laboratory areas, cafeteria, and shower rooms	-	Negative	Boxed-in systems located above ceiling panels. Seam tape not observed.
A-88/88A/88B, A-89/89A/89B, A-90/90A/90B	Sheetrock / seamtape / joint compound	Building 2- Third floor, north offices area	-	Negative	Comprises wall construction.
A-91/91A, A-92/92A	4" Green cove base and adhesive	Building 2- Third floor, north offices area	-	Negative	
A-93	Blue pebble style vinyl sheet flooring	Building 2- Third floor, bathroom	-	Negative	
BUILDING 3 (Original Plans) or 4A (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Building 3- Exterior, roof, all levels	7,400 SF Roofing 200 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
A-94, A-95	Glazing compound	Building 3- Ground floor, throughout	-	Negative	Associated with the (3) 5' x 5' wood arched windows.
AP	Transite components	Building 3- Ground floor, throughout	1/2 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
Same as A-38, A-39, A-40	Window frame caulking	Building 3- Second floor, throughout	390 LF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT, GLASS BLOCK WINDOWS REMAIN, ACM CAULKING REPLACED WITH NON-ACM CAULKING.
Same as A-80, A-81, A-82	Window frame caulking (abated) and Glazing compound (remains)	Building 3- Ground floor, throughout	(3) 5' x 5' wood arched windows REMAIN	Positive	WINDOW CAULKING ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT, ASSUMED ACM GLAZING COMPOUNDS REMAIN. Associated with (3) 5' x 5' wooden arched windows. Windows are deteriorated and boarded up.

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Sample #	Material	Location	Approximate Quantity	Result	Comment
"FUEL STORES" BUILDING (Original Plans) or 3 (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	"Fuel Stores" Building- Exterior, roof, all levels	3,200 SF Roofing 150 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory. Roof deck is metal and may only contain a rubber membrane.
BUILDING 12 (Original Plans) or 4C (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Building 12- Exterior, roof, all levels	2,000 SF Roofing 150 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
A-38, A-39, A-40	Window frame caulking	Building 12- Throughout ground and second floor, south wall	590 LF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT, GLASS BLOCK WINDOWS REMAIN, ACM CAULKING REPLACED WITH NON-ACM CAULKING. Associated with the (20) glass block windows with interior caulking bead along top of window frame.
AP	Glazing compound and Frame caulking	Building 12- Throughout ground floor, south wall	(8) 6' x 6' metal windows	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
AP	Transite components	Building 12- Throughout	1/8 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
Same as A-80, A-81, A-82	Window frame caulking	Building 12- Throughout ground floor, south wall	30 LF REMAINS	Positive	Associated with wood window system which has been removed and boarded up.
"529 SF" BUILDING (Original Plans) or 4D (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	"529 SF" Building- Exterior, roof, all levels	600 SF Roofing 50 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory. Roof deck is metal and may only contain a rubber membrane.

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Sample #	Material	Location	Approximate Quantity	Result	Comment
BUILDINGS 4, 5, 6 and 7 (Original Plans) or 4B, 4E, 5B, 5A (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Buildings 4, 5, 6 and 7 - Exterior, roof, all levels	15,400 SF Roofing 400 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory. Roofing quantity for each is: Building #4-2,500 SF; #5-1,000 SF; #6-3,000 SF; #7-8,900 SF and 100 SF of Roofing cement per roof (400 SF total).
A-96, A-97, A-106, A-107, A-108 (wood frame), A-98, A-99 (metal frame)	Glazing compound	Buildings 4, 5, 6 and 7- Throughout	(41) CT 5' x 5' wood windows; (2) CT 1' x 2' metal windows REMAIN	Positive	WINDOWS REMAIN. Associated with the 5' x 5' wooden arched windows and 1' x 2' metal windows throughout the building sections. Many windows boarded up.
Same as A-80, A-81, A-82	Window frame caulking	Buildings 4, 5, 6 and 7- Throughout	800 LF REMAINS	Positive	CAULKING REMAINS. Associated with all windows noted above. No access to confirm presence or absence of frame caulking or to sample.
AP	TSI- Pipe insulation	Building 7- Second floor, near No. 8 PM Pulper area, ceiling level	30 LF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
AP	Transite components	Buildings 4, 5, 6 and 7- Throughout	1/2 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
Same as A-50, A-51, A-52	Vinyl sheet flooring, pebble pattern	Building 7- Third floor	-	Negative	
ROOF OVERHANG connected to Building 6 (unlabeled) (Original Plans) or 5C (2020 Concept Plans)					
AP	Asphalt based roofing cement applications	"Roof Overhang" - Exterior, roof, all levels	400 SF Roof cement	Positive	Assumed ACM roof cement and possible suspect ACM washers associated with the metal overhang.
BUILDING 8 Boiler Room (Original Plans) or 5D and 5E (2020 Concept Plans)					

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AP	Asphalt based roofing material and roofing cement applications	Building 8- Exterior, roof, all levels	2,700 SF Roofing 150 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
A-109, A-110	TSI- Mud Drum insulation, interior rope, gaskets and packings / Boiler Demolition	Building 8- (2) Boiler systems	220 SF	Positive	BOILERS ABATED AND PARTIALLY DEMOLISHED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-113, A-114	Interior boiler brick	Building 8- (2) Boiler systems	-	Negative	
AP	Glazing compound / Window frame caulking	Building 8- Throughout	(8) 6' x 6' metal windows and 160 LF of associated caulking REMAIN	Positive	WINDOWS AND CAULKING REMAIN. No access to sample. Presume as ACM until sampling can prove otherwise.
AP	Transite components	Building 8- Throughout	1/2 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
A-119, A-120	Asphalt based roofing	Building 8- Exterior, around stack	-	Negative	
BUILDINGs 9, 9A, 9B and 10 (Original Plans) or 6A, 6B (partial), 6C and 6B (partial) (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Buildings 9, 9A, 9B and 10- Exterior, roof, all levels	15,400 SF Roofing 400 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory. Roofing quantity for each is: Building #9-2,700 SF; #9A-1,000 SF; #9B-1,500 SF; #10-3,800 SF and 100 SF of Roofing cement per roof (400 SF total).
Same as A-96, A-97, A-106, A-107, A-108; Same as A-80, A-81, A-82	Glazing compound	Buildings 9, 9A, 9B and 10- Throughout, primarily located throughout Building 10 only	(20) CT 5' x 5' wood windows REMAIN	Positive	WINDOWS REMAIN. Associated with the 5' x 5' wooden arched windows throughout the building sections. Many windows boarded up.

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Same as A-80, A-81, A-82	Window frame caulking	Buildings 9, 9A,9B and 10- Throughout, primarily located throughout Building 10 only	220 LF REMAINS	Positive	CAULKING REMAINS. Associated with all windows noted above. Limited access to confirm presence or absence of frame caulking or to sample. Only caulking remnant observed from ground level.
A-100, A-101, A-102	Fireproofing	Buildings 9A, 9B - Throughout first and second floors	-	Negative	Applied to beams and ceiling decks throughout the buildings noted herein.
Same as A-80, A-81, A-82	Transite components	Building 10- Northwest corner elevator mechanism area and throughout	1/2 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
"STOCKHOUSE and PULP RECEIVING" BUILDINGS (Original Plans) or 7A and 7B (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	"Stockhouse and Pulp Receiving" Buildings- Exterior, roof, all levels	11,600 SF Roofing 200 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory. Roof deck is metal and may only contain a rubber membrane. Roofing quantity for each is: Stockhouse- 6,000 SF and Pulp Receiving-5,600 SF; and 100 SF of Roofing cement per roof (200 SF total).
BUILDING 17 or 8 (Original Plans) or "PUMPHOUSE" (2020 Concept Plans)					
AP	Asphalt based roofing material and roofing cement applications	Building 17- Exterior, roof, all levels	625 SF Roofing 100 SF Roof cement	Positive	Assumed ACM asphalt based, mutli-layered roofing present. Refer to additional roof related details at the end of this Inventory.
A-121	TSI-Compressed paper	Building 17- Throughout	40 LF	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT
AP	Transite components	Building 17- Throughout	1/2 CYD	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT

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AP	Glazing compound and Frame caulking	Building 17- Throughout	(10) 4' x 10'; (6) 4' x 6'; (4) 10' x 20' metal windows / Openings	Positive	ABATED AS PART OF FEBRUARY 2020 ABATEMENT PROJECT AND OPENINGS BOARDED UP.

Additional Suspect Asbestos-Containing Roofing Information

AP	Asphalt based roofing material and roofing cement applications	Refer to Individual Building Referenced Herein	Refer to Individual Building Referenced Herein	Positive	Roof sampling and roof assessments have not been performed in order to maintain integrity to the rubber membrane applications which currently conceal /cover most assumed asbestos-containing roof layers (asphalt based /multi-layered) on most referenced roofs. Overhang off of Building 6 is metal. Fuel Stores, Stockhouse and Pulp Receiving roofs appear to be rubber only (14,800 SF of roofing). All roof levels require an asbestos investigation coupled with bulk sampling to confirm or deny the presence of asbestos content. Roofing cement applications are observed on ACM roofing but also sporadic coverage on or around substrates such as parapets and metal roof edges. Roof cement quantity represents coverage outside of roof fields and layers.
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This building wide asbestos survey was conducted by Tighe & Bond over the course of several years and in several phases. Asbestos survey efforts were performed as part of various Feasibility Studies and for the February 2020 Site Wide Asbestos and Hazardous Materials Abatement Project. Building nomenclature was derived from an original set of floor plans and a revised 8/2020 and renumbered Concept Plan-Roadway and Mill Demolition Plan. Each set of Plans are appended to this report.

LEGEND:

ACM = Asbestos-Containing Material

AP = Assumed Positive

SF = Square Feet

LF = Linear Feet

TSI = Thermal System Insulation

CT = Count

Survey Completed By:



Brian F. Day

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