

State of Maryland



STATE-OWNED
FACILITY
ASBESTOS
MANAGEMENT
PLAN

FY 2021

University of Maryland

College Park, MD 20742

Reviewed and Approved by:

A handwritten signature in black ink, appearing to read "M. Stumpo", written over a horizontal line.

Michael Stumpo
Asbestos Program Manager
Environmental Safety, Sustainability & Risk

A handwritten signature in black ink, appearing to read "Maureen Kotlas", written over a horizontal line.

Maureen Kotlas
Executive Director
Environmental Safety, Sustainability & Risk

A handwritten signature in black ink, appearing to read "Charles R. Reuning", written over a horizontal line.

Charles R. Reuning
Associate Vice President and Chief Facilities
Officer
Facilities Management

A handwritten signature in black ink, appearing to read "Andrea Crabb", written over a horizontal line.

Andrea Crabb
Director
Department of Residential Facilities

Program Personnel & Accreditations

Asbestos Program Manager:

Michael Stumpo
OSH Coordinator, Dept. of Environmental Safety,
Sustainability & Risk
(301) 405-3982

Elena Johnson
Safety Specialist, Dept. of Environmental Safety,
Sustainability & Risk
(301) 405-9736

Asbestos Project Designers:

Varies, per contracted On-Call company

Glynnis Bowman
Program Director, Safety & Emergency Mgt.
Dept. of Facilities Management
(301) 405-2313

Departmental (USM) Coordinator:

Katherine Cavanaugh
Manager, OSH & Loss Control, Dept. of
Environmental Safety, Sustainability & Risk
(301) 405-2887

Stephen Reid
O&M Construction Project Manager
Dept. of Facilities Management
(301) 405-6910

Facility Planner:

Arshad M. Mughal
Asst. Director-Capital Budgeting
Dept. of Facilities Management
(301) 405-3458

Brian Test
Manager, Incident Response
Dept. of Facilities Management
(571) 264-7193

Department Planner:

Mark Beck
Director, Capital Planning at University System
3300 Metzert Road, Adelphi, MD 20783
(301) 445-1984

Anthony Hartley
Incident Response Specialist
Dept. of Facilities Management
(301) 873-9282

Building Inspectors:

Michael Stumpo
OSH Coordinator, Dept. of Environmental Safety,
Sustainability & Risk
(301) 405-3982

Charles Bazzle
Incident Response Specialist
Dept. of Facilities Management
(301) 789-8406

Management Plan Prepared by:

Michael Stumpo
OSH Coordinator, Dept. of Environmental Safety,
Sustainability & Risk
(301) 405-3982

Accredited Supervisors as of FY21

Name	Department	Accreditation Number
Stefan Abresch	Facilities Management	18022001

Facility Asbestos Overview

Buildings Classed by Asbestos Content		No. of Buildings
Class A	Asbestos free	208
Class B	Miscellaneous ACM Only in Good Condition	94
Class C	Surfacing and/or Thermal ACM in Good Condition	108
Class C-1	Miscellaneous ACM with Moderate Damage	1
Class D	Surfacing and/or Thermal ACM w/ Moderate Damage	1
Class D-1	Miscellaneous ACM with Significant Damage	0
Class D-2	Surfacing and/or Thermal ACM with Significant Damage	1
Class X	Facilities with Unknown Asbestos Inventory/Conditions	76
Total Number of Buildings Without Restricted Areas		489

Restricted Areas Due to asbestos damage/deterioration, the following areas are restricted, and access is limited to trained/medically monitored Level II employees using protective clothing and respirators.	No. of Buildings 4* (total: 5 areas)
Entire Buildings	0
Boiler Rooms	0
Crawl Spaces	0
Attics	0
Spaces between Ceiling Decks and Suspended Ceilings (048)	1
Pipe Chases (073, 089)	2
Steam Tunnels	0
Basements	0
Classroom/Office/Residential Areas	0
Auditorium/Cafeteria/Gym Areas	0
Other: Open topped walls (073)	1
Other: Beneath tiered seating decks (078)	1

* Four buildings (Building #: 048, 073, 078 and 089)

Inventories of asbestos materials at the University of Maryland, College Park are available at the Department of Environmental Safety, Sustainability & Risk (ESSR) web site:

<https://essr.umd.edu/about/occupational-safety-health/asbestos>

Building Use Changes	
Demolished/Sold/Transferred:	No. of Buildings: (listed below)
None	0
Closed for Reasons Other than Asbestos	No. of Buildings
None	0
Out of State Facilities	
None	
Facilities Transferred as Long-Term Lease (not included in overview data)	
260 - Graduate Garden Apartment	261 - Graduate Garden Apartment
262 - Graduate Garden Apartment	263 - Graduate Garden Apartment
264 - Graduate Garden Apartment	265 - Graduate Garden Apartment
266 - Graduate Garden Apartment	267 - Graduate Garden Apartment
268 - Graduate Garden Apartment	269 - Graduate Garden Apartment
270 - Graduate Garden Apartment	271 - Graduate Garden Apartment
272 - Graduate Garden Apartment	273 - Graduate Garden Apartment
274 - Graduate Garden Apartment	275 - Graduate Garden Apartment
276 - Graduate Garden Apartment	277 - Graduate Garden Apartment
278 - Graduate Garden Apartment	279 - Graduate Garden Apartment
280 - Graduate Garden Apartment	281 - Graduate Garden Apartment
282 - Graduate Garden Apartment	283 - Graduate Garden Apartment
284 - Graduate Garden Apartment	285 - Graduate Garden Apartment
286 - Graduate Hills Apartment	287 - Graduate Hills Apartment
288 - Graduate Hills Apartment	289 - Graduate Hills Apartment
290 - Graduate Hills Apartment	291 - Graduate Hills Apartment
292 - Graduate Hills Apartment	383 - Paint Branch Building
407 - Samuel Riggs Alumni Center	710 - Wye Research Center - Office/Meeting Room
711 - Wye Research Center - Aspen Guest House	796 - Laboratory for Physical Sciences
802 - College Park Fire Station	974 - South Campus Commons 5
975 - South Campus Commons 6	981 - South Campus Commons 7
987 - Courtyard 100	988 - Courtyard 200
989 - Courtyard 300	990 - Courtyard 400
991 - Courtyard 500	992 - Courtyard 600
993 - Courtyard 700	994 - Courtyard Clubhouse
995 - Courtyard Maintenance Shed	996 - South Campus Commons 1
997 - South Campus Commons 2	998 - South Campus Commons 3
999 - South Campus Commons 4	

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Facilities Occupied by Lease (not included in overview data)	
902 - Leased Facility, 101 W. Dickman Street, Baltimore, MD	903 - Leased Facility, 5600 Rivertech Court, Riverdale, MD
904 - Leased Facility, 5801 University Research Ct., Riverdale, MD	905 - Leased Facility, 10400 Connecticut Avenue, Kensington, MD
906 - Executive Building, 7100 Baltimore Ave, College Park, MD	907 - Leased Facility, 6811 Kenilworth Avenue, Riverdale, MD
908 – Leased Facility, 8200 Baltimore Ave, College Park,	909 - Leased Facility, 8150 Baltimore Ave., College Park,
910 – Leased Facility, 9658 Baltimore Ave., College Park, MD	911 – Leased Facility, 5650 Rivertech Ct., Riverdale, MD
912 - Hartwick Building, 4321 Hartwick Rd, College Park, MD	913 – Leased Facility, 9222 Willow Lane, Adelphi, MD
916 - Leased Facility, College Park Professional Center, 4511 Knox Rd., College Park, MD	932 - Leased Facility, Opera House, Annapolis, MD
936 - Leased Facility, Ronald Reagan Building, Washington, DC	943 - Leased Facility, 1003 Twin Arch Road, Mt. Airy, MD
944 - Leased Facility, 10632 Little Patuxent Pkwy, Columbia, MD	950 - Leased Facility, 5825 University Research Court, Riverdale, MD
951 - Leased Facility, 5700 Rivertech Court, Riverdale, MD	952 - Leased Facility, 5701 Rivertech Court, Riverdale, MD
954 – Leased Facility, 4601 Calvert Road, College Park, MD	955 - Leased Facility, 1400 Sixteenth Street, Washington, DC
956 - Leased Facility, 4603 Calvert Rd, College Park, MD	957 - Leased Facility, 3711 Campus Drive College Park, MD

Asbestos Inventories

Inventories of asbestos materials at the University of Maryland, College Park are available at the Department of Environmental Safety, Sustainability & Risk web site:

<https://essr.umd.edu/about/occupational-safety-health/asbestos>

Except for **Restricted Areas** referenced at page 3 of this document and as noted in the on-line facility inventories, all asbestos materials are maintained in **good condition** defined as “less than or equal to one percent damage or deterioration if the damage is evenly distributed (or less than or equal to one percent damage if localized).” The Environmental Protection Agency defines damage conditions in 40 CFR 763 as:

Surfacing Material:

“Friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars, or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.”

Thermal System Insulation:

“ACM on pipes, boilers, tanks, ducts, and other thermal system insulation equipment where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional punctures, gouges, or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.”

Miscellaneous:

“ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars, or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.”

UMD Asbestos inventories are intended to provide sufficient information to identify asbestos as it may impact normal maintenance activities. They do not provide all information necessary to identify asbestos materials for demolition or major renovation purposes. Demolition or major renovation work must be preceded by additional survey efforts conducted or coordinated by:

Glynis Bowman	Program Director FM Safety & Emergency Mgt.	(301) 405-2313
Stephen Reid	Construction Project Manager FM O&M Renovation Services	(301) 405-6910
Brian Trest	Manager FM O&M Incident Response	(571) 264-7193
Susan Gilson	Health & Safety Officer Residential Facilities	(301) 314-7527
Patrick Rhodes	Assistant to the Assistant Director Residential Facilities	(301) 314-1616
Michael Stumpo	OSH Coordinator Environmental Safety, Sustainability & Risk	(301) 405-3982

All employees utilizing the UM asbestos inventories must receive Asbestos Level I training to understand terminology and limitations of the system. Materials that have been identified in inventories as asbestos-containing are listed by room. Quantities and asbestos composition are also noted. If materials have not been adequately assessed, they will be identified generally as Presumed Asbestos-Containing Materials (PACMs).

Any campus faculty, staff or student who removes, breaks, cuts into, drills or otherwise damages materials identified as ACM/PACM, or who contracts for such services, must be trained to assess building materials, and ensure appropriate work practices are implemented. For further information, concerning inventories or training, contact:

Environmental Safety, Sustainability & Risk
(301) 405-3960

Anticipated Renovation Projects (Non-Level II/Non-AOC)**FY22**

Name of Building	Area	Type of Project	Asbestos in Area
Woods Hall Renovation	Implement HVAC upgrades on the First and Second Floors	Campus Funded	Yes

FY23

Name of Building	Area	Type of Project	Asbestos in Area
Jimenez Hall Renovation	Implement HVAC upgrades on floors 2, 3 and 4 of the South Wing	Campus Funded	Yes

FY24

Name of Building	Area	Type of Project	Asbestos in Area
Ellicott Hall Renovation	Renovate entire building to provide central air conditioning and other upgrades	Auxiliary Funded	Yes
Cole Headhouse Renovation	Renew building systems to the four floors of the original south section of the building	Campus Funded	Yes

Facility Planner: Arshad M. Mughal	Department Planner: Michael Stumpo
Asbestos Program Manager: Michael Stumpo	Date: 9/30/2021

**Planned Renovation Projects, O&M and Emergency Responses
During FY21 that Involved Asbestos**

Building Name/No.	Area/Room No.	Asbestos Involved	Project Type	Start Date	Finish Date	Asbestos Contractor	License No.
Easton Hall 253	S. Bathroom Risers G-4	40 LF fittings	Planned Renovation	6/30/2020	7/3/2020	ACM Services, Inc.	M21-15-094
Calvert Hall 015	1209, 1301, 1203,	30 SF gray VAT & mastic; 4 LF pipe insulation	Planned Renovation	7/11/2020	7/12/2020	SanDow Construction, Inc.	M21-16-594
Tydings Hall 042	0103	174 SF gray VAT & mastic	Planned Renovation	7/24/2020	7/24/2020	SanDow Construction, Inc.	M21-16-594
Energy Plant 001	Roof; Boiler Room	Roof - 600 SF corrugated cement board, 50 LF window caulk, 100 LF silver tar flashing, 400 SF asphalt tar; Boiler room - 20 LF pipe insulation, 6 each pipe fittings, 50 LF visible seam sealant, 3,000 SF metal jacket & steam sealant	Planned Renovation	8/5/2020	8/28/2020	Potomac Abatement, Inc.	M21-03-076
Wind Tunnel Building 081	B0101	50 SF duct insulation; 50 SF HVAC duct (metal)	O&M	8/10/2020	8/10/2020	Waco, Inc.	M48-00-002
HJ Patterson 073	2204, 2206, 2208, 2208A, 2210, 2216, 2219, 2210, 2209, 2216	2204-2219 - 2555 SF FT & mastic; 2210-2216 - 100 SF transite fume hood, 15 LF transite fume hood pipe	Planned Renovation	8/17/2020	8/28/2020	Retro Environmental, Inc.	M21-24-107
McKeldin Library 035	6101	1073 SF gray VAT & mastic	Planned Renovation	8/18/2020	9/11/2020	SanDow Construction, Inc.	M21-16-594
Animal Sciences/Agricultural Engineering Building 142	1147	1 SF 12x12 FT & mastic	O&M	9/11/2020	9/11/2020	Waco, Inc.	M48-00-002
Chemistry Building 091	1510	45 SF gray 12x12 FT & mastic	O&M	9/11/2020	9/11/2020	Waco, Inc.	M48-00-002
Toll Physics Building 082	0222, 0222B	570 SF gray VAT & mastic; 35 LF pipe insulation	Planned Renovation	10/19/2020	10/22/2020	SanDow Construction, Inc.	M21-16-594
Tydings Hall 042	3127 C, 3127 E	5 each 3" OD fittings; 5 each 2" OD fittings	Planned Renovation	10/19/2020	10/19/2020	ACM Services, Inc.	M21-15-094
Toll Physics Building 082	1201, 1120B, 1120G, 1131, 1125, 1104A,	18 LF pipe insulation	Planned Renovation	10/24/2020	10/25/2020	SanDow Construction, Inc.	M21-16-594

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Building Name/No.	Area/Room No.	Asbestos Involved	Project Type	Start Date	Finish Date	Asbestos Contractor	License No.
	1104B						
Tydings Hall 042	3131	113 SF FT	Planned Renovation	10/28/2020	10/28/2020	ACM Services, Inc.	M21-15-094
Atlantic Bldg. 224	4353	114 SF FT & mastic	Planned Renovation	11/2/2020	11/2/2020	Retro Environmental, Inc.	M21-24-107
Marie Mount Hall 046	1402, 3413	1401 - 10 SF FT & mastic; 3413 - 10 tiles FT & mastic	O&M	11/7/2020	11/7/2020	Retro Environmental, Inc.	M21-24-107
Bio-Psych 144	2245D	125 SF FT & mastic	Planned Renovation	11/8/2020	11/8/2020	Retro Environmental, Inc.	M21-24-107
Preinkert Hall 054	1109	30 SF glue dots	Planned Renovation	11/10/2020	11/10/2020	ACM Services, Inc.	M21-15-094
Symons Hall 076	1120, 2120, 3120	42 SF FT & mastic	O&M	11/12/2020	11/12/2020	Waco, Inc.	M48-00-002
Chemical & Nuclear Engineering 090	1297	24 SF elevator FT & mastic	O&M	11/12/2020	11/12/2020	Waco, Inc.	M48-00-002
Toll Physics Building 082	2101, 2103, 2105, 2107, 2109, 2111, 2119, 2121, 0297,	1,397 SF brown 9x9 FT & mastic; 0297 - 835 SF Tan FT & mastic; 216 LF pipe insulation	O&M	11/18/2020	11/30/2020	Waco, Inc.	M48-00-002
HJ Patterson 073	0229	2 LF pipe insulation	Planned Renovation	11/25/2020	11/25/2020	Retro Environmental, Inc.	M21-24-107
Cole SAB 162	0204B	75 SF pipe insulation	Planned Renovation	12/1/2020	12/1/2020	Retro Environmental, Inc.	M21-24-107
Bio-Psych 144	0257	600 SF FT & mastic; 60 SF chalkboard mastic; 240 SF duct seam sealants	Planned Renovation	12/7/2020	12/20/2020	ACM Services, Inc.	M21-15-094
Chemistry Building 091	4298	10 SF brown hard transite pipe	O&M	12/8/2020	12/8/2020	Waco, Inc.	M48-00-002
Symons Hall 076	2nd floor hallway	Gray 12x12 FT	O&M	12/8/2020	12/8/2020	Waco, Inc.	M48-00-002
Chemical & Nuclear Engineering 090	2130, 2134, 2144	716 SF yellow VAT & mastic	Planned Renovation	12/15/2020	12/18/2020	SanDow Construction, Inc.	M21-16-594
McKeldin Library 035	6103	1200 SF FT	Planned Renovation	1/5/2021	1/6/2021	ACM Services, Inc.	M21-15-094
Toll Physics Building 082	1117A	40 LF pipe insulation	Planned Renovation	1/6/2021	1/6/2021	Retro Environmental, Inc.	M21-24-107
Chemical & Nuclear Engineering 090	1223	167 FT & mastic	Planned Renovation	1/26/2021	1/26/2021	Retro Environmental, Inc.	M21-24-107

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Building Name/No.	Area/Room No.	Asbestos Involved	Project Type	Start Date	Finish Date	Asbestos Contractor	License No.
JM Patterson Hall 083	3206	71 SF 12x12 FT & mastic	O&M	1/26/2021	1/26/2021	Waco, Inc.	M48-00-002
Wind Tunnel Building 081	B Mech room	18 SF white duct insulation	Planned Renovation	2/19/2021	2/23/2021	SanDow Construction, Inc.	M21-16-594
Woods Hall 047	0135	5 LF pipe insulation	Planned Renovation	2/26/2021	2/26/2021	Retro Environmental, Inc.	M21-24-107
Kirwan Hall 084	1104, 1106, 2111, 3207	216 SF chalkboard dots; 130 SF FT & mastic	Planned Renovation	3/8/2021	3/9/2021	ACM Services, Inc.	M21-15-094
Ellicott Hall 256	3120	140 SF FT & mastic	Planned Renovation	3/18/2021	3/18/2021	ACM Services, Inc.	M21-15-094
Benjamin 143	3112G, 3228, 3222, 3218, 3216, 3214A, 3214B, 3214C, 3104, 3230, 3226, 3214-4, 3214-3	1,627 SF FT & mastic	Planned Renovation	3/22/2021	3/30/2021	Retro Environmental, Inc.	M21-24-107
Bio-Psych 144	3201	760 SF 12x12 light brown FT & mastic; 10 SF black glue dots; 89 each cabinets & lab tops; 9 SF chalkboard	O&M	4/6/2021	4/8/2021	Waco, Inc.	M48-00-002
Bio-Psych 144	0144	649 SF white 12x12 FT & mastic	O&M	4/14/2021	4/16/2021	Waco, Inc.	M48-00-002
LeFrak Hall 038	2166	840 SF gray VAT & mastic	Planned Renovation	4/15/2021	4/19/2021	SanDow Construction, Inc.	M21-16-594
Jimenez 034	3118, 3120, 3121, 3122, 3203, 3205	1,946 SF FT & mastic	Planned Renovation	4/19/2021	4/23/2021	ACM Services, Inc.	M21-15-094
Chemistry Building 091	4504, 4506	4504 - 200 SF Ft & mastic; 4506 - 200 SF Ft & mastic	Planned Renovation	4/20/2021	4/21/2021	Retro Environmental, Inc.	M21-24-107
Engineering Annex 093	1191	538 SF gray VAT & mastic	Planned Renovation	4/21/2021	4/21/2021	SanDow Construction, Inc.	M21-16-594
JM Patterson Hall 083	3106B, 3106-2	908 SF FT & mastic	Planned Renovation	4/26/2021	4/27/2021	ACM Services, Inc.	M21-15-094
Toll Physics Building 082	Suite 2212, Rm. 2125	2212 - 25 LF pipe insulation & fittings; 2125 - 25 LF pipe insulation & fittings	Planned Renovation	4/26/2021	4/27/2021	Retro Environmental, Inc.	M21-24-107
Toll Physics Building 082	4385, 4394, 4398, 4389, 4388, 4390, 4386	2,815 SF FT & mastic	Planned Renovation	4/26/2021	5/1/2021	Retro Environmental, Inc.	M21-24-107

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Building Name/No.	Area/Room No.	Asbestos Involved	Project Type	Start Date	Finish Date	Asbestos Contractor	License No.
Toll Physics Building 082	1302, 1330, 1336, 1328, 1326, 1324, 1320, 1389, 1312, 1310, 1308	6667 SF FT & mastic	Planned Renovation	5/21/2021	5/28/2021	SanDow Construction, Inc.	M21-16-594
Montgomery Hall 032	1113, 3101	500 SF carpet mastic & black mastic	Planned Renovation	5/22/2021	5/22/2021	ACM Services, Inc.	M21-15-094
Chemistry Building 091	1402, 1407	1402 - 1467 SF FT & mastic; 1407 - 3251 SF FT & mastic	Planned Renovation	6/1/2021	6/11/2021	ACM Services, Inc.	M21-15-094
Art-Sociology Bldg. 146	Suite 2309	887 SF carpet glue & black mastic	O&M	6/4/2021	6/9/2021	Waco, Inc.	M48-00-002
Main Admin. Bldg. 077	0132 Suite	1588 SF FT & mastic	Planned Renovation	6/7/2021	6/11/2021	ACM Services, Inc.	M21-15-094
Chemical & Nuclear Engineering 090	2207	1 each fume hood	O&M	6/17/2021	6/17/2021	Waco, Inc.	M48-00-002
Toll Physics Building 082	1101, 1103, 1105, 1107, 1109, 1111, 1115, 1117, 1117B, 1125, 1127, 1201, 0125	200 LF pipe insulation	Planned Renovation	6/18/2021	6/25/2021	SanDow Construction, Inc.	M21-16-594
Chemistry Building 091	1402, 1407	50 LF pipe insulation	Planned Renovation	6/19/2021	6/25/2021	SanDow Construction, Inc.	M21-16-594
Chemistry Building 091	4510, 4512, 4504, 4506	1080 SF FT & mastic; 2 test tube racks, 8 tabletops, 4 chalkboards	Planned Renovation	6/19/2021	6/25/2021	SanDow Construction, Inc.	M21-16-594
Kirwan Hall 084	4414, 4416, 1117A	32 SF wall board and glue dots in each room (96 SF total)	Planned Renovation	6/29/2021	6/30/2021	SanDow Construction, Inc.	M21-16-594
South Campus Dining Hall 026	0114	216 SF FT & mastic	Planned Renovation	6/30/2021	6/30/2021	ACM Services, Inc.	M21-15-094
Cole SAB 162	2103K	5 each gray mudded elbow	O&M	7/9/2021	7/9/2021	Waco, Inc.	M48-00-002
McKeldin Library 035	4105, 4109	1576 SF 9x9 brown FT & mastic	O&M	7/13/2021	7/13/2021	Waco, Inc.	M48-00-002

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Building Name/No.	Area/Room No.	Asbestos Involved	Project Type	Start Date	Finish Date	Asbestos Contractor	License No.
Symons Hall 076	2112B	147 SF gray VAT & mastic	Planned Renovation	7/15/2021	7/15/2021	SanDow Construction, Inc.	M21-16-594
Benjamin 143	3234	138 SF FT & mastic	Planned Renovation	7/21/2021	7/21/2021	Retro Environmental, Inc.	M21-24-107

Money Spent on In-House Asbestos Work

Month	FY Year	Supplies	Labor	Equipment	Total
July	2020	0	0	0	0
August	2020	0	0	0	0
September	2020	0	0	0	0
October	2020	0	0	0	0
November	2020	0	0	0	0
December	2020	0	0	0	0
January	2021	0	0	0	0
February	2021	0	0	0	0
March	2021	0	0	0	0
April	2021	0	0	0	0
May	2021	0	0	0	0
June	2021	0	0	0	0
Total		0	0	0	0

Comment: licensed asbestos contractors performed all asbestos work during FY21.

Equipment Usage and Maintenance System**Sampling by OSH / contractors to perform any use of equipment**

Asbestos related equipment usage and maintenance will be under the direction of the individuals identified below who have responsibilities within their respective organizations:

ESSR

Michael Stumpo OSH Coordinator (301) 405-3982

Facilities Management

Glynnis Bowman Program Director (301) 405-3982

Asbestos related equipment is kept in the following locations:

- Respirators – Individually assigned and maintained by qualified employees at their primary work locations.
- Air Sampling Equipment – Seneca Building, ESSR Office, Room 0103

Employees who need access to equipment must have the following:

1. Current medical approval for asbestos work and respirator usage (through the Occupational Health Unit at the University Health Center),
2. Received respirator training within the previous twelve months, and
3. Demonstrated acceptable respirator fit-testing within the previous twelve months.

The individual identified above is responsible for ensuring that users of asbestos-related equipment meet these criteria.

Employees who need access to equipment and supplies shall use the following procedures:

Contact Glynnis Bowman at (301) 405-2313 for equipment access by Facilities Management personnel.

Contact Michael Stumpo at (301) 405-3982 for equipment access by ESSR personnel.

Equipment must be checked by the user to determine if it is in safe operating condition. Anytime the equipment is not in safe operating condition, the user will tag the equipment out of service and notify:

Glynnis Bowman at (301) 405-2313

or

Michael Stumpo at (301) 405-3982

The following tag-out procedure will be used in accordance with OSHA Standards 29 CFR 1910.147 and 1920.333:

The equipment shall be marked with the following tag



If it is determined that the equipment cannot be repaired, it will be promptly discarded

Routine maintenance is performed according to the manufacturer’s recommendations by:

Michael Stumpo OSH Coordinator (301) 405-3982

Copies of the manufacturer's user manual, maintenance manual, and/or operating and maintenance procedures developed by the facility as either a supplement or alternative to the manufacturer's recommendations are kept by:

Michael Stumpo OSH Coordinator (301) 405-3982

and located at the:

Seneca Building - Environmental Safety, Sustainability & Risk Office, Room 0103

The following procedures will be used to ensure that each piece of equipment is serviced according to a preventive maintenance schedule set by the manufacturer or empirically through actual experience:

Manufacturers’ maintenance procedures are followed. In addition, equipment is checked prior to use.

Equipment Inventory Summary

Equipment Item	Age or Year Obtained	Period Between Maintenance	Last Date Inspected	Functional?	Life Cycle
ESSR: EURO-CLEAN 930-H HEPA Vacuum	2011	as necessary	before each use	yes	10 years
Plans for Replacement/Overhaul including funding.	Items will be replaced at end of functional life cycle. Funds are available.				
Respirators provided per necessity					
Plans for Replacement/Overhaul including funding.	Items will be replaced at end of functional life cycle or when major repair is necessary. Funds are available.				
ESSR Air Sampling Pumps: GAST High Vol. (4 ea.) Buck High Vol. (1 ea.) Buck Personal (5 ea.)	1990-2016	as necessary	before each use	yes	not deter-mined
Plans for Replacement/Overhaul including funding.	Items will be replaced when repairs are no longer cost effective. Funds are available.				

Emergency Response System

An emergency response plan is designed to anticipate and plan for unexpected asbestos fiber release episodes so that fiber release is minimized through prompt corrective action.

The emergency response contact persons are:

Primary contacts for first responders:

Customer Response Center	Facilities Management	301-405-2222
Service Center	Residential Facilities	301-314-9675 (WORK)

Secondary contacts:

Glynnis Bowman	Facilities Management – Safety & Emergency Mgt.	(240) 426-9140
Stephen Reid	Facilities Management – Project Manager	(301) 405-6910
Brian Trest	Facilities Management – Manager, Incident Response Unit	(571) 264-7193
Susan Gilson	Residential Facilities – Health & Safety Officer	(301) 314-7527
Patrick Rhodes	Residential Facilities – Assistant to Assistant Director	(240) 818-5934

The back-up contact persons are:

On-call OSH representative (24-hour response)	ESSR – Occupational Safety and Health	(301) 405-3960
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Other than restricting access to the area and evacuating it, personnel in the area are to take no other action after contacting the emergency response contact person. The emergency response contact person will direct the initial response; including ensuring that actions are taken as necessary (e.g., debris clean up, patch and repair, etc.) and that, the project is designed by an accredited project designer if necessary.

“Emergency response actions will be performed by licensed asbestos abatement companies, contracted by Facilities Management and/or Residential Facilities.

If a more extensive hazard assessment is required after the initial response, it will be performed or coordinated by the emergency personnel listed in this section.

The accredited project designer that this facility will use is:

Accredited project designers employed by the following contract asbestos abatement companies	
ACM Services, Inc.	301-230-2822
SanDow Construction, Inc.	301-322-1446
Retro Environmental	410-552-9301
WACO Environmental, Inc.	301-290-1333

or

A professional contracted from qualified industrial hygiene firms or licensed asbestos abatement companies.

Waste Storage and Disposal Program

The purpose of a waste disposal program is to prevent asbestos exposure/contamination by incorrect handling of asbestos waste. It also serves to document what happens to the ACM waste from the time that it is generated until it is buried in an approved landfill.

Asbestos wastes are normally disposed of by abatement contractors at the conclusion of each abatement activity performed. Stored materials are presently limited to intact fire doors (the only suspect material routinely handled by university personnel), plus contaminated personal protective equipment and other suspect materials occasionally deposited by accredited personnel with asbestos program management responsibilities.

Management:

Asbestos Waste Storage and Disposal Operations will be managed in accordance with COMAR 26.11.21, & Asbestos Program Policy by:

Stephen Reid	FM Project Manager	(301) 405-6910
Patrick Rhodes	DRF Assistant to Assistant Director	(301) 314-1616

* Multiple DRF Project Managers are responsible for managing waste storage and disposal operations.

Landfill selection and waste shipment coordination is managed by:

Landfills are selected by the contract asbestos abatement companies.

Chain of Custody manifests are managed by:

Stephen Reid	FM Project Manager	(301) 405-6910
Patrick Rhodes	DRF Assistant to Assistant Director	(301) 314-1616

* Multiple DRF Project Managers are responsible for managing chain of custodies.

Procedures used to handle waste are:

- Double-bagged/double sealed asbestos waste is transported on campus property in enclosed vehicles to storage site.
- Any damaged or leaking containers are immediately repaired when observed by Level II employees.
- Dumpster is secured within a locked compound to prevent public access.
- When quantity of waste approached 20 cubic yards, arrangements are made by the Hazardous Materials Abatement Manager for shipment (DRF minor storage).

Waste Storage Inventory	Date	Quantity
Quantity of asbestos waste stored as of	7/1/2020	0.0 cubic yards
Quantity of asbestos waste generated during reporting period		~309.19 cubic yards reported
Quantity of asbestos waste disposed during reporting period		~309.19 cubic yards reported
Quantity of asbestos waste still in storage as of	6/30/2021	0.0 cubic yards

Disposal Record for Period

Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Easton Hall	7/7/2020	25	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Calvert Hall	7/12/2020	27	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Wind Tunnel Building	8/11/2020	36	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
HJ Patterson	9/9/2020	1	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
HJ Patterson	9/9/2020	4	Bundles	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
HJ Patterson	9/9/2020	2	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
McKeldin Library	9/10/2020	89	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540

Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Animal Sciences Building	9/11/2020	1	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Chemistry Building	9/11/2020	10	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Physics Building	10/25/2020	102	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Physics Building	10/25/2020	102	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Tydings Hall	10/26/2020	10	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Atlantic Building	11/6/2020	7	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Atlantic Building	11/6/2020	5	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Tydings Hall	11/9/2020	18	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Chem-Nuke Building	11/12/2020	8	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Symons Hall	11/12/2020	7	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Symons Hall	11/12/2020	7	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Bio-Psych Building	11/17/2020	3	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Marie Mount Hall	11/17/2020	3	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Bio-Psych Building	11/17/2020	2	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Marie Mount Hall	11/17/2020	1	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Physics Building	11/30/2020	406	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Physics Building	12/1/2020	78	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Cole SAB	12/8/2020	23	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
HJ Patterson	12/8/2020	3	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Cole SAB	12/8/2020	8	Bundles	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Chemistry Building	12/9/2020	19	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Bio-Psych Building	12/16/2020	10	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Tydings Hall	12/16/2020	14	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Preinkert Hall	12/16/2020	145	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Preinkert Hall	12/16/2020	10	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Bio-Psych Building	12/16/2020	145	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Chem-Nuke Building	12/18/2020	130	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
McKeldin Library	1/8/2021	44	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
McKeldin Library	1/8/2021	9	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
JM Patterson	1/26/2021	7	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Chem-Nuke Building	2/9/2021	8	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Physics Building	2/9/2021	6	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Chem-Nuke Building	2/9/2021	2	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Wind Tunnel Building	3/3/2021	30	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Woods Hall	3/9/2021	3	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Kirwan Hall	3/18/2021	76	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Chemistry Building	3/18/2021	198	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Ellicott Hall	3/22/2021	36	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Benjamin Building	4/1/2021	43	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984

Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Benjamin Building	4/1/2021	3	Bundles	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Benjamin Building	4/1/2021	3	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Bio-Psych Building	4/8/2021	48	Bags	EWSI / Thompson Trucking 11939 Richmond Hwy Concord, VA 24578	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Bio-Psych Building	4/8/2021	29	Bundles	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
LeFrak Hall	4/17/2021	139	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Bio-Psych Building	4/19/2021	179	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Engineering Building	4/21/2021	50	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Jimenez Building	4/27/2021	55	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Jimenez Building	4/27/2021	14	Bundles	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984

Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Jimenez Building	4/27/2021	11	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Chemistry Building	5/4/2021	10	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Physics Building	5/4/2021	10	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Physics Building	5/4/2021	22	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Chemistry Building	5/4/2021	5	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Physics Building	5/4/2021	36	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
JM Patterson	5/10/2021	20	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
JM Patterson	5/10/2021	8	Drums	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Montgomery Hall	6/2/2021	81	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Physics Building	6/2/2021	534	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540

Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Art-Sociology	6/9/2021	110	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Chemistry Building	6/15/2021	89	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Main Admin Building	6/15/2021	93	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Main Admin Building	6/15/2021	31	Bundles	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
Chem-Nuke Building	6/17/2021	15	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Physics Building	6/25/2021	79	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Kirwan Hall	6/30/2021	19	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
South Campus Dining	7/6/2021	6	Bags	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984
South Campus Dining	7/6/2021	2	Bundles	Service Transport Group 301 Oxford Valley Road, Ste. 803B Yardley, PA 19067	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 #P0104984

Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Cole SAB	7/9/2021	7	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
McKeldin Library	7/15/2021	15	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Symons Hall	7/15/2021	20	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
McKeldin Library	7/15/2021	28	Drums	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540
Symons Hall	7/16/2021	42	Bags	Thompson Trucking 11939 Richmond Hwy Concord, VA 24538	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 804-561-5787 #540

Further Information/Comments:

None

Notification System

A notification program is designed to do two things:

1. Inform maintenance workers and custodial workers of what they need to know to be able to work safely in a building that contains ACM.
2. Inform building occupants on how to work safely in a building that contains ACM and let them know what precautions are already being taken.

General maintenance and custodial workers working in areas with ACM with a high potential for disturbance are informed of asbestos locations through the following methods:

Employees are provided Asbestos Awareness Training (Level I) at initial hire and annually thereafter. Portion of training includes identification of ACM/PACM and availability/use of on-line asbestos inventories. Caution signs are posted inside mechanical rooms of buildings where asbestos materials have been identified warning of presence of material. Employees are advised to isolate the area and report any damage to ACM possible. Employees are advised to contact supervisors if conditions are encountered which may cause asbestos exposure.

Number of days within which maintenance and custodial employees will receive this notification after their initial hire: 10 days

Building occupants in buildings containing ACM are informed on what precautions must be taken to avoid disturbing the ACM by the following methods:

On-line inventories of asbestos materials are accessible to all UM occupants, employees, residents, and tenants found at: <https://essr.umd.edu/sites/default/files/2021-11/AsbestosInventory.pdf>. An asbestos fact sheet is also available to UM occupants found at: <https://essr.umd.edu/about/occupational-safety-health/asbestos/asbestos-factsheet>.

All resident students are informed of the existence of ACM in some dormitories found at: <https://www.4service.umd.edu/asbestos>. The website cautions against any activity that causes damage to building materials.

Number of days building occupants will receive this notification within their initial occupancy 10 days

The person or position responsible for providing this notification is:

Michael Stumpo	OSH Coordinator ESSR	(310) 405-3982
Glynnis Bowman	Program Director FM Safety & Emergency Mgt.	(301) 405-2313
Susan Gilson	Health & Safety Officer Residential Facilities	(301) 314-7527

Summary of Asbestos Training Activities at the Facility

Asbestos Training Program

The purpose of the training program is to inform employees of those aspects of asbestos hazard recognition, reporting, and response which they must follow to minimize the risk of exposure to themselves and others. Level II building maintenance employees and their supervisors will receive both initial training and refresher training from the Maryland Department of the Environment or a licensed contractor.

Level II automotive mechanics involved with asbestos brake and clutch work will receive initial training from the Maryland Department of the Environment and annual refresher training from the Agency Safety and Health Specialist.

Asbestos Safety & Health Specialists, Asbestos Program Managers, and Building Inspectors will attend Maryland Department of the Environment sponsored training classes, including, but not limited to Building Inspector/Management Planner Initial and annual refresher training.

Level I Employees shall be trained annually by the Agency Safety and Health Specialist or members of the Department of Environmental Safety, Sustainability & Risk staff, using guidelines furnished by the Maryland Department of the Environment.

The Department Coordinator is Katherine Cavanaugh

The Department Coordinator's Training Contacts at the Facility are:

Katherine Cavanaugh	Manager, OSH & Loss Control ESSR	(301) 405-2887
Michael Stumpo	OSH Coordinator ESSR	(301) 405-3982
Elena Johnson	Safety Specialist ESSR	(301) 405-9736

Employees will be notified of their scheduled training dates by their supervisors. Employer notification of training will vary in time depending upon type of training (scheduled vs in-shop) and training provider.

Procedures for access to training records:

- Contact Katherine Cavanaugh at (301) 405-2887 for training record information.
- Current employees and unit heads and training coordinators may also access their training records and subordinates training records through the ESSR training records database at <https://umd.bioraft.com/>

Summary of Asbestos Training Activities at the Facility – FY21

Date	Course Title	Time Expended	Instructor
7/9/2020	Asbestos Awareness (Level 1)	120 min.	M. Stumpo
8/14/2020	Asbestos Refresher	60 min.	M. Stumpo
9/10/2020	Asbestos Awareness (Level 1)	120 min.	M. Stumpo
11/12/2020	Asbestos Refresher	60 min.	M. Stumpo
2/11/2021	Asbestos Refresher	60 min.	M. Stumpo
3/1/2021	Asbestos Refresher	60 min.	M. Stumpo
4/7/2021	Asbestos Awareness (Level 1)	120 min.	M. Stumpo
4/21/2021	Asbestos Awareness (Level 1)	120 min.	M. Stumpo
6/3/2021	Asbestos Awareness (Level 1)	120 min.	M. Stumpo

Note: No Asbestos Automotive Re-training was conducted during this period.

Asbestos Medical Monitoring Program

In accordance with Executive Order 01.01.1987.22, employees classified as Level II workers must participate in the medical monitoring program. Employees who do not participate in medical monitoring or who are disapproved for respirator use cannot work with asbestos. Those employees who were exposed to asbestos in the past while in State service (i.e., in a Level II type position) are also eligible for medical monitoring, even if they are not currently working in a Level II capacity. Exams are scheduled through the University Health Center (UHC) and employees' supervisors.

The Departmental Coordinator's Medical Monitoring Contact at the facility is:

Rebekah Giannakos UHC - Occupational Health (301) 314-8172

Employees will be notified of their medical monitoring appointments by:

UHC Personnel UHC - Occupational Health (301) 314-8172 or (301) 314-8199

The following procedures are instituted to ensure individuals keep appointments and to track cancellations:

Supervisors are notified of available medical surveillance schedule slots. They coordinate staff availability with scheduling and ensure that staff keep their appointments. If employees are unable to make their appointments, supervisors must contact the Health Center - Occupational Health Unit as soon as possible.

Medical monitoring records will be maintained at the following location:

University Health Center - Occupational Health Office

by:

Rebekah Giannakos Occupational Health (301) 314-8172

The following procedures are in place for access to medical monitoring records:

Contact the Occupational Health Unit at (301) 314-8172 or (301) 314-8199 to coordinate medical record access.

During the reporting period the following persons have been re-designated from a Level II category to a Level I category BUT WILL be kept in the Medical Monitoring Program:

Name	Job Classification	MDE Number
None		

During the reporting period the following persons have been re-designated from a Level II category to a Level I category AND WILL NOT be kept in the Medical Monitoring Program:

Name	Job Classification	MDE Number
None		

Work Permit Policy for Outside Contractors (Telephone, Electrical, Computer, Plumbing, etc.)

Purpose: The work permit policy ensures that authorization is obtained prior to outside contractors performing maintenance, repair, or renovation work, to avoid inadvertent disturbance of ACM. All plans for work by outside contractors must be reviewed for asbestos disturbing potential by:

Any one of the following persons approved by the Asbestos Program Manager as being aware of asbestos locations and any precautions that are necessary to work in those areas.

Glynnis Bowman	Program Director, FM Safety & Emergency Mgt.	(301) 405-2313
Susan Gilson	Health & Safety Officer, DRF	(301) 314-7527

OR

The Asbestos Program Manager:

Michael Stumpo	OSH Coordinator, ESSR	(301) 405-3982
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All contracted jobs occurring in an area containing ACM must have the work reviewed by a person capable of recognizing potential asbestos hazards. If special work procedures precautions are necessary, such as not placing ladders against pipes, not hanging wires into fireproofing, etc. they will be specified by an accredited Supervisor (see page 4), or other personnel listed on this page.

Documentation of review will be maintained at:

Facilities Management - Architecture, Engineering & Construction, Building 003

Procedures for access are:

Glynnis Bowman	Program Director, FM Safety & Emergency Mgt.	(301) 405-2313
Susan Gilson	Health & Safety Officer, DRF	(301) 314-7527

The following information establishes requirements for contractors at UM:

Permit Policy for Projects Designed by Outside A/Es

Consistent with the University's Design Criteria and Facility Standards (DC/FS) for A/E's, "All pre-1985 buildings scheduled for alterations which impact existing building materials shall be surveyed and assessed for asbestos conditions consistent with regulatory requirements and the university's specifications for Industrial Hygiene services."

"Where damage or disturbance is anticipated during construction, appropriate corrective action must be designed into the project."

"Where feasible, designs which avoid or minimize disturbance through in-place management techniques are preferred over wholesale removal."

The university's DC/FS for A /E's manual is accessible at <https://facilities.umd.edu/facilities-info/building-inventory>.

These A/E designs are subject to review by EPA-accredited Asbestos Project Designers.

Permit Policy for Projects Designed In-House by Campus Projects

Consistent with Campus Project's Contract Specifications for Hazardous Materials Abatement, On-Call Contractors shall secure qualified and accredited Industrial Hygiene firms to:

"At Owner's request, visit specific sites to assess potential hazards and, based on results of sampling and analysis, make recommendations for abatement as necessary to meet project objectives."

"a) Where available, review previous sampling data, as-built drawings, aerial photographs, and/or archived specifications to assess pre-existing conditions and to outline relevant architectural, mechanical, and structural elements of the subject building.

"b) Where directed by Owner's representative, conduct site reconnaissance and interview key site personnel to identify recognizable environmental conditions which potentially compromise environmental health and safety.

"c) Submit sampling scheme to collect air, soil, water, dust wipe, or material bulk samples of subject environmental parameters for laboratory analysis, in accordance with procedures set forth in the Contract Documents or professional industrial hygiene standards.

"d) Report imminent hazards represented by existing conditions to the Owner without delay.

"Furnish Owner with a written report not later than five (5) days following completion of initial visit unless otherwise stated in writing.

"a) Faster rates of turnaround may be requested, as needed.

"b) The report shall discuss findings and recommendations.

"Conduct investigations in accordance with applicable regulations, existing guidelines as indicated in the Contract Documents, and current professional industrial hygiene standards."

The university may, from time to time, contract directly with qualified and accredited Industrial Hygiene firms to evaluate site conditions in advance of work. All IH firm evaluations are subject to university review by EPA-accredited Asbestos Project Designers.

Periodic Surveillance Program

Asbestos which remains in a building must be periodically surveyed to note and respond to changes in its condition. The elements of the surveillance program include the following:

1. Assignment of trained individuals knowledgeable in the inspection and assessment of ACM and its potential for disturbance.
2. Pre-surveillance record review of asbestos locations and any abatements done since the last survey.
3. Scheduling which is consistent with the ACM's general condition and access.
4. Occupancy control, if obtaining samples during periodic surveillance.
5. Recordkeeping.
6. Transmittal of information to the person performing the hazard assessment and response action planning.

The periodic surveillance program will be implemented under the authority of the asbestos program manager by:

Katherine Cavanaugh Manager, OSH & Loss Control, ESSR (301) 405-2887

Individuals/Positions performing periodic surveillance shall be employees that are accredited workers, accredited supervisors, or accredited building inspectors.

The following individuals will be involved in periodic surveillance activities:

Elena Johnson Safety Specialist, ESSR (301) 405-9736
Michael Stumpo OSH Coordinator, ESSR (301) 405-3982

Building maintenance staff in Facilities Management, Dining Services and Residential Facilities departments are responsible for routine assessment for damage conditions in assigned facilities. These employees receive Asbestos Level I training and report damage conditions to work control centers for repair/removal coordination.

Records of inspection training for all asbestos-related positions/individuals are kept at:

Department of Environmental Safety, Sustainability & Risk, Seneca, Room 0103

by:

Katherine Cavanaugh Manager, OSH & Loss Control, ESSR (301) 405-2887

Periodic surveillance is an on-going activity to be completed as schedules and time constraints permit.

If samples must be taken, the following procedures will be used to control occupancy:

Samples in occupied locations are collected during periods of non-occupancy (nights, weekends, holidays, etc.)

Records pertaining to surveillance activities are kept at:

Department of Environmental Safety, Sustainability & Risk, Seneca Building, Room 0103

Supplies necessary to perform periodic surveillance can be obtained at:

Department of Environmental Safety, Sustainability & Risk, Seneca Building, Room 0103

The following procedures will be used to access periodic surveillance supplies and/or records:

Contact ESSR at (301) 405-3960 for more information.

At the conclusion of each survey, a copy of the findings will be sent to the Management Planner, who will do the hazard assessment and response action planning. The original copy will be sent to the appropriate record keeper.

The following persons shall be responsible for incorporating periodic surveillance information into the records pertaining to asbestos conditions:

Michael Stumpo	OSH Coordinator, ESSR	(301) 405-3982
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Number of days from the end of each period surveillance survey that information regarding the condition of asbestos materials will be incorporated into the files.	30 days
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Respiratory Protection Program

A written respiratory protection program shall be maintained at the facility. The purpose of such a program is to ensure that employees are adequately protected against respiratory hazards.

The following competent person will be responsible for writing and implementing this facility's respiratory protection program:

Katherine Cavanaugh Manager, OSH & Loss Control, ESSR (301) 405-2887

Number of times per year employee asbestos exposures, job tasks, etc. shall be evaluated to see if conditions have changed using the following procedures:

Conditions are evaluated by the on-site Competent Person to verify that appropriate respiratory protection is in place. Exposure Assessments are to be conducted for all asbestos abatement activities and changes in techniques, materials and controls are sufficient cause to re-evaluate personal exposures.

The following procedures will be used to evaluate employee job tasks:

- All exposure monitoring of Level II employees will be conducted by occupational safety and health staff in the Department of Environmental Safety, Sustainability & Risk. Current OSHA and NIOSH criteria are followed for obtaining personal samples.
- Analysis of samples will be performed by a NIST/NVLAP accredited laboratory for asbestos analysis.
- Competent persons are responsible for verifying that all asbestos tasks are evaluated to determine employee exposures. If exposures are demonstrated above 10 fibers per cubic centimeter of air (f/cc) as an 8-hour time-weighted average (TWA), or if Excursion Limits exceed 100 f/cc, use of the full-face PAPR must be discontinued and a Type C supplied air respirator or self-contained breathing apparatus used before proceeding.

The following person is responsible for fit testing of employees after they have received an initial fit test from MDE. Fit tests will be done annually.

Katherine Cavanaugh Manager, OSH & Loss Control, ESSR (301) 405-2887

A copy of the written respiratory protection program as well as copies of individual employee fit tests will be kept at the following location:

Department of Environmental Safety, Sustainability & Risk, Seneca Building, Room 0103

Procedures to access include:

Contact ESSR OSH at (301) 405-3960 or view document at: <https://essr.umd.edu/sites/default/files/2021-11/RespiratoryProtectionProgram.pdf>. Employees who have been fit-tested may view their status through the ESSR's training database web page at: <https://umd.bioraft.com/raft/training/allrecords>.

The following procedures were used to inform Level II Employees on policies and procedures in place at the facility regarding use and care of respirators:

Employees receive annual Respiratory Protection training from/thru Environmental Safety, Sustainability & Risk that specifies regulatory requirements for care and use of respirators. Supervisors are required to detail specific procedures in the worksite-specific Respiratory Protection Program implemented for each work group.

The following procedures are in place for storage of respirators filter cartridges, and other related components:

Employees receive annual Respiratory Protection training from/thru Environmental Safety, Sustainability & Risk that specifies regulatory requirements for storage of respirators and components. Supervisors are required to detail specific procedures in the worksite-specific Respiratory Protection Program implemented for each work group.

The following requirements are in place regarding cleaning and disinfection of respirators:

Employees receive annual Respiratory Protection training from/thru Environmental Safety, Sustainability & Risk that specifies regulatory requirements for cleaning and sanitizing respirators. Supervisors are required to detail specific procedures in the worksite-specific Respiratory Protection Program implemented for each work group.

For PAPRs (powered air-purifying respirators), the following procedures are used to ensure that batteries are properly charged and available for emergency response:

Employees are issued personal respirators. They are responsible for maintaining batteries and condition of the device as detailed in the manufacturers' manuals and literature.

For PAPRs, describe how the flow-testing device is made available to respirator users so they can verify that they have sufficient airflow through the unit, as recommended by the manufacturer:

All personally issued PAPRs have test devices for determining the flow rate. Tight-fitting PAPRs must be capable of delivering a minimum of 4 CFM.

**Response Action Summary (Level II Work)
for the Reporting Period: July 1, 2020 – June 30, 2021**

No response actions (Level II Work) were conducted in-house during the reporting period. All asbestos abatement/cleanup work is conducted by licensed companies that are contracted by the Department of Facilities Management.

Hazard Assessment - Response Action Planning Method

The following accredited Management Planner will perform the hazard assessment using the decision tree method taught in Building Inspector - Management Planner class.

Michael Stumpo

OSH Coordinator

(301) 405-3982

The hazard assessment must be completed before any response action planning can be done. Additional consultation for hazard assessment or response action design is available through The State Employees Asbestos Program (410) 537-3200.

Records of hazard assessments and response actions are kept on file at the following location:

Department of Environmental Safety, Sustainability & Risk – Seneca Building, Room 0103 and may be accessed by contacting:

Michael Stumpo

OSH Coordinator

(301) 405-3982

Purchase and Supply Inventory System

Purchase of supplies and equipment for asbestos related work at this facility will be overseen by:

Richard Smith Warehouse Supervisor (301) 405-3245

Specifications and requisitions for supplies have been developed by:

Stefan Abresch Construction Contracts-Insulation (301) 405-8075
Services Supervisor

Copies of supply specifications can be obtained from:

Richard Smith Warehouse Supervisor (301) 405-3245

The following inventory procedure will be used to ensure sufficient quantities of supplies are maintained on hand at the facility and to monitor the expenditure of consumable supplies:

When supplies are getting low, warehouse personnel will order and stock.

Employees who need access to equipment and supplies shall use the following procedures:

Contact: Glynnis Bowman at (301) 405-2313 or Michael Stumpo at (301) 405-3982

Supplies are stored in the following location(s):

Facilities Management Logistics Warehouse (Bldg. 810).

Recordkeeping System

An asbestos recordkeeping system keeps relevant information available to those who need it for daily asbestos activities, provides information necessary for facility, departmental, and State level planning, meets the requirements of **related** laws and regulations, and provides legal documentation.

Type of Record	Maintained by	Location of Records	Procedures for Access
Survey results- BCR's, FSR's, etc.	Michael Stumpo	ESSR Seneca Building, Rm. 0103	Contact Michael Stumpo (301) 405-3982
As-Builts, Architectural Plans, Blueprints	Facilities Management	Facilities Management - Operations and Maintenance Archives - Service Bldg.	Contact Facilities Management (301) 405-3230
Medical Monitoring Records	Rebekah Giannakos	University Health Center - Occupational Health Unit	Contact Rebekah Giannakos (301) 314-8172
Management Plans	Michael Stumpo	ESSR Seneca Building, Rm. 0103	Contact Michael Stumpo (301) 405-3982
Abatement Contracts, Priorities, Log of Activities	Stephen Reid	Facilities Management – Severn Building, 0704	Contact Stephen Reid (301) 405-6910
Permits, sampling data, waste manifests	Stephen Reid	Facilities Management – Severn Building, 0704	Contact Stephen Reid (301) 405-6910
Periodic Surveillance Results	Michael Stumpo	ESSR Seneca Building, Rm. 0103	Contact Michael Stumpo (301) 405-3982
Respiratory Protection Program	Katherine Cavanaugh	ESSR Seneca Building, Rm. 0103	Contact Katherine Cavanaugh (301) 405-2887
Consent/Refusal Status of Employees, Incentive Pay Log	Not followed at UM. Departments maintain pay logs.	Individual department payroll offices.	Contact department's accountant or business manager.
Written O/M Plan	Michael Stumpo	ESSR Seneca Building, Rm. 0103	Contact Michael Stumpo (301) 405-3982
Training Records	Michael Stumpo	ESSR Seneca Building, Rm. 0103	Contact Michael Stumpo (301) 405-3982
Equipment Logs	Michael Stumpo	ESSR Seneca Building, Rm. 0103	Contact Michael Stumpo (301) 405-3982