

State of Maryland



STATE-OWNED
FACILITY
ASBESTOS
MANAGEMENT
PLAN

FY 2023

University of Maryland

College Park, MD 20742

Reviewed and Approved By:

Handwritten signature of Michael Stumpo in black ink.

Michael Stumpo
Asbestos Program Manager
Environmental Safety, Sustainability & Risk

Handwritten signature of Maureen Kotlas in black ink.

Maureen Kotlas
Executive Director
Environmental Safety, Sustainability & Risk

Handwritten signature of Charles R. Reuning in black ink.

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

Handwritten signature of Andrea Crabb in black ink.

Andrea Crabb
Director
Department of Residential Facilities

Program Personnel & Accreditation

Asbestos Program Manager:

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

Department Planner:

Mark Beck
Director, Capital Planning at
University System
(301) 445-1984

Asbestos Project Designers:

Varies, per contracted On-Call company.

Building Inspectors:

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

Departmental (USM) Coordinator:

Casey Cahill
Assistant Director OSH, 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

Anthony Hartley
Program Manager, Safety & Emergency Mgt.
Dept. of Facilities Management
(301) 873-9282

Management Plan Prepared By:

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

Accredited Supervisors as of FY23

Name	Department	Accreditation Number
NA	NA	NA

Facility Asbestos Overview

Buildings Classed by Asbestos Content		No. of Buildings
Class A	Asbestos free	208
Class B	Miscellaneous ACM Only in Good Condition	95
Class C	Surfacing and/or Thermal ACM in Good Condition	110
Class C-1	Miscellaneous ACM with Moderate Damage	0
Class D	Surfacing and/or Thermal ACM w/ Moderate Damage	0
Class D-1	Miscellaneous ACM with Significant Damage	0
Class D-2	Surfacing and/or Thermal ACM with Significant Damage	0
Class X	Facilities with Unknown Asbestos Inventory/Conditions	76
Total Number of Buildings Without Restricted Areas		489

Restricted Areas	No. of Buildings
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.	
Entire Buildings	0
Boiler Rooms	0
Crawl Spaces	0
Attics	0
Spaces between Ceiling Decks and Suspended Ceilings	0
Pipe Chases	0
Steam Tunnels	0
Basements	0
Classroom/Office/Residential Areas	0
Auditorium/Cafeteria/Gym Areas	0
Other: Open topped walls	0
Other:	0

Inventories of asbestos materials at the University of Maryland, College Park are available at the Department of Environmental Safety, Sustainability & Risk (ESSR) website: <https://essr.umd.edu/about/occupational-safety-health/asbestos>

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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
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)	
900 – Leased Facility 900, 7777 Baltimore Ave, College Park, MD	901 – Leased Facility 901, 7878 Diamondback Dr., College Park, MD
903 – Leased Facility 903, 5600 Rivertech Court, Riverdale, MD	904 – Leased Facility 904, 5801 University Research Ct., Riverdale, MD
905 – Leased Facility 905, 10400 Connecticut Avenue, Kensington, MD	907 – Leased Facility 907, 6811 Kenilworth Avenue, Riverdale, MD
908 – Leased Facility 908, 8200 Baltimore Ave., College	909 – Leased Facility 909, 8204 Baltimore Ave., College
911 – Leased Facility 911, 5650 Rivertech Ct., Riverdale, MD	913 – Leased Facility 913, 6615 Reisterstown Rd., Baltimore MD
916 – Leased Facility 916, College Park Professional Center, 4511 Knox Rd., College Park, MD	917 – Leased Facility 917, 110 Maryland Ave. NE, Washington, DC
918 – Leased Facility 918, 2001 North Front Street, Harrisburg, PA	925 – Leased Facility 925, 44181 Airport Rd., California, MD
932 – Leased Facility 932, 48 Maryland Ave, Annapolis, MD	936 – Leased Facility 936, 1300 Pennsylvania Ave., Washington, DC
940 – Leased Facility 940, 241 18 th St., Arlington, VA	941 – Leased Facility 941, 1764A Old Meadow Rd., McLean, VA
943 – Leased Facility 943, 1008 Twin Arch Road, Mt. Airy, MD	944 – Leased Facility, 10632 Little Patuxent Pkwy, Columbia, MD
945 – Leased Facility 945, 4400 Calvert Rd., College Park, MD	948 – Leased Facility 948, 4600 River Rd., Riverdale, MD
950 – Leased Facility, 5825 University Research Court, Riverdale, MD	952 – Leased Facility 952, 801 W. Baltimore St., Baltimore, MD
954 – Leased Facility 954, 4601 Calvert Road, College Park, MD	955 – Leased Facility 955, 1400 Sixteenth Street, Washington, DC
956 – Leased Facility 956, 4603 Calvert Rd, College Park, MD	960 – Leased Facility 960, 12401 Prosperity Dr., Silver Spring, MD

Asbestos Inventories

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

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

Restricted Areas are referenced on page 3 of this document and noted in the online facility inventories. All other 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.”

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UMD Asbestos inventories are compiled to identify asbestos at specific locations. This information enables maintenance activities in areas where ACM is present to include the controls necessary for safe work. 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
Anthony Hartley	Program Manager FM Safety & Emergency Mgt.	(301) 873-9282
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 the 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 Level II 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)

FY24

Name of Building	Area	Type of Project	Asbestos in Area
Cole Fieldhouse South Wing Renovation	Renovate the south wing to renew building systems and for some new occupants – infrastructure upgrades electrical, HVAC, etc.	Campus Funded	Yes
Atlantic Building Renovation for Quantum & Advanced Computer Infrastructure	Renovate portions of floors 1, 2, and 3 for quantum research, and upgrade portions of the HVAC system.	State Funded	Yes
Artemesia Building Renovation for Quantum & Advanced Computer Infrastructure	Renovate portions of the first and third floors for the Quantum Start Up Foundry and renew some building systems.	State Funded	No

FY25

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
Hornbake Library Ground Floor Renovation	Renovate to renew HVAC and for some new occupants.	Campus Funded	Yes

FY26

(No planned projects identified for FY26)

Name of Building	Area	Type of Project	Asbestos in Area

Facility Planner: Bill Olen, Executive Director, FM Planning & Construction	Department Planner: Michael Stumpo
Asbestos Program Manager: Michael Stumpo	Date: 9/30/2023

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**Planned Renovation Projects, O&M, and Emergency Responses
During FY23 that Involved Asbestos**

Building Name/No.	Area/Room No.	Asbestos Involved	Project Type	Start Date	Finish Date	Asbestos Contractor	License No.
La Plata Hall 259	2128	200 SF of FT and mastic; 60 LF of cove base mastic	Planned Renovation	7/6/2022	7/6/2022	ACM Services, Inc.	M21-15-094
Carroll Hall 065	3116	150 SF of FT and mastic; 150 SF of drywall JC; 60 LF of cove base mastic	Planned Renovation	7/6/2022	7/20/2022	ACM Services, Inc.	M21-15-094
Elkton Hall 254	0110	400 SF of FT and mastic; 80 LF of cove base mastic	Planned Renovation	7/7/2022	7/7/2022	ACM Services, Inc.	M21-15-094
Physics Building 082	1408, Mechanical Room	850 SF of plaster ceiling	Planned Renovation	7/9/2022	8/22/2022	SanDow Construction, Inc.	M21-16-594
Montgomery Hall 032	0104B/C, 0106A/B, 0110, 0112	2,000 SF of flash patch and mastic; 150 SF of FT and mastic	Planned Renovation	7/11/2022	7/15/2022	ACM Services, Inc.	M21-15-094
H.J. Patterson Hall 073	0210, 2222	1,346 SF of Ft and mastic; 1 fume hood	Operations & Maintenance	7/19/2022	7/21/2022	Waco, Inc.	M48-00-002
Francis Scott Key Hall 048	1102J	483 SF of FT and mastic	Planned Renovation	7/25/2022	7/29/2022	Retro Environmental	M21-24-107
Ellicott Hall 256	4139, 4140, 4141, 4142, 4195	675 SF of FT and mastic	Planned Renovation	7/29/2022	7/29/2022	ACM Services, Inc.	M21-15-094
Baltimore Hall 016	Suite 1109C	200 SF of carpet, glue, and mastic	Operations & Maintenance	8/10/2022	8/10/2022	Waco, Inc.	M48-00-002
Physics Building 082	0102	25 LF of pipe insulation	Planned Renovation	8/23/2022	8/23/2022	SanDow Construction, Inc.	M21-16-594
Bio-Psych Building 144	2248, 2246	220 SF of FT and mastic	Operations & Maintenance	9/14/2022	9/15/2022	Waco, Inc.	M48-00-002
Bio-Psych Building 144	2213	640 SF of FT and mastic	Operations & Maintenance	9/15/2022	9/16/2022	Waco, Inc.	M48-00-002
Lee Building 071	0124A-0124H, 0124J, 0124, 0128, 010, 0102A	2,197 SF of FT and mastic	Operations & Maintenance	9/20/2022	9/29/2022	Waco, Inc.	M48-00-002
Engineering Lab Building 089	1179	1,042 SF FT and mastic	Planned Renovation	10/6/2022	10/7/2022	ACM Services, Inc.	M21-15-094
Marie Mount	3422	98 SF of FT	Operations &	10/7/2022	10/7/2022	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.
Hall 046		and mastic	Maintenance				
J.M. Patterson Building 083	1201	30 SF of fume hood cementitious panels	Operations & Maintenance	10/7/2022	10/7/2022	Waco, Inc.	M48-00-002
Bio-Psych Building 144	2114G, 2114F, 2114C, 2114A, 2114 Lobby	958 SF of FT and mastic	Planned Renovation	10/12/2022	10/16/2022	Retro Environmental	M21-24-107
Symons Hall 076	1101	10 LF of pipe insulation	Planned Renovation	11/29/2022	11/29/2022	ACM Services, Inc.	M21-15-094
Symons Hall 076	0107, 0107A, 0107B, 0109	2,583 SF of FT and mastic	Operations & Maintenance	12/2/2022	12/4/2022	Waco, Inc.	M48-00-002
Marie Mount Hall 046	0409	75 SF of tank insulation	Planned Renovation	12/20/2022	12/21/2022	Retro Environmental	M21-24-107
Atlantic Building 224	4114	915 SF of FT and mastic	Operations & Maintenance	12/22/2022	12/26/2022	Waco, Inc.	M48-00-002
Francis Scott Key Hall 048	1102, 1102A, 1102B, 1102C, 1102D, 1102E, 1102F, 1102G, 1102H, 1118	2,511 SF of FT and mastic	Planned Renovation	12/27/2022	12/30/2022	ACM Services, Inc.	M21-15-094
Physics Building 082	2304	600 SF of FT and mastic	Planned Renovation	12/28/2022	12/30/2022	Retro Environmental	M21-24-107
Reckord Armory 078	0126, 0135, 0131	103 SF of FT and mastic	Planned Renovation	1/17/2023	1/18/2023	SanDow Construction, Inc.	M21-16-594
Chemical & Nuclear Engineering Building 090	1135	288 SF of FT; 16 LF of pipe insulation	Operations & Maintenance	2/11/2023	2/12/2023	Waco, Inc.	M48-00-002
Wind Tunnel Building 081	Crawl Space	260 LF of pipe insulation	Planned Renovation	3/6/2023	3/8/2023	ACM Services, Inc.	M21-15-094
Health Center 140	1127	350 SF of FT and mastic	Planned Renovation	3/10/2023	3/11/2023	SanDow Construction, Inc.	M21-16-594
Energy Research Facility 223	1201 R, 1201 S, 1201 T	728 SF of FT and mastic	Planned Renovation	4/14/2023	4/16/2023	Retro Environmental	M21-24-107
Lee Building 071	3rd Floor	140 SF of duct insulation and seam mastic	Planned Renovation	4/19/2023	4/21/2023	ACM Services, Inc.	M21-15-094
Taliaferro Hall 043	0103, 0110	60 LF of TSI	Planned Renovation	4/25/2023	4/25/2023	SanDow Construction, Inc.	M21-16-594
Benjamin Building 143	1108, 1108 A, 1108 C, 1108 E	296 SF of FT and mastic	Operations & Maintenance	5/5/2023	5/6/2023	Waco, Inc.	M48-00-002
Benjamin Building 143	4313, 4315	786 SF of FT and mastic	Operations & Maintenance	5/5/2023	5/6/2023	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.
Bio-Psych Building 144	2123 E, 2123 L, 2123 M, 3147 C	409 SF of FT and mastic	Planned Renovation	5/10/2023	5/11/2023	ACM Services, Inc.	M21-15-094
Wind Tunnel Building 081	Foyer Areas	2 SF of green FT; 1 fire door	Operations & Maintenance	5/24/2023	5/24/2023	Waco, Inc.	M48-00-002
Atlantic Building 224	1323, 1325	6 each of mudded elbows	Operations & Maintenance	5/24/2023	5/24/2023	Waco, Inc.	M48-00-002
J.M. Patterson Building 083	1109, 1202	690 SF of VAT and mastic; 128 SF of chalk boards and glue dots; 60 LF of pipe insulation	Planned Renovation	5/30/2023	6/5/2023	SanDow Construction, Inc.	M21-16-594
Easton Hall 253	1113, 2113, 3113, 4113, 0105	60 LF of pipe and fitting insulation	Planned Renovation	5/31/2023	6/5/2023	Retro Environmental	M21-24-107
Chemistry Building 091	3rd Floor Hallway	320 SF of transite boards	Emergency	5/31/2023	6/2/2023	SanDow Construction, Inc.	M21-16-594
Baltimore Hall 016	1107, 1109, 1111, 2107, 2109, 3107, 3111	4,765 SF of ACM carpet and mastic	Planned Renovation	6/1/2023	6/14/2023	SanDow Construction, Inc.	M21-16-594
Montgomery Hall 032	1123, 1125, 1127, 1129	600 SF of glue dots	Planned Renovation	6/1/2023	6/9/2023	ACM Services, Inc.	M21-15-094
Bio-Psych Building 144	3275, 3279, 3283	1,800 SF of FT and mastic; 3 fume hoods	Planned Renovation	6/5/2023	6/11/2023	Retro Environmental	M21-24-107
Carroll Hall 065	2125, 2127	150 SF of FT and mastic; 59.5 SF of wall plaster; 110 SF of wall board	Operations & Maintenance	6/5/2023	6/6/2023	Waco, Inc.	M48-00-002
Chemistry Building 091	1228	800 SF of FT and mastic	Emergency	6/6/2023	6/9/2023	SanDow Construction, Inc.	M21-16-594
Morrill Hall 040	0102	670 SF of FT and mastic	Planned Renovation	6/6/2023	6/7/2023	ACM Services, Inc.	M21-15-094
Wicomico Hall 069	2217, 3110	230 SF of FT and mastic; 50 SF of wall board	Operations & Maintenance	6/7/2023	6/8/2023	Waco, Inc.	M48-00-002
Varsity Sports Teamhouse 158	1115	75 SF of Ft and mastic	Planned Renovation	6/10/2023	6/10/2023	ACM Services, Inc.	M21-15-094
Energy Research Facility 223	1202A, 1202B, 1202C	750 SF of FT and mastic	Planned Renovation	6/13/2023	6/15/2023	Retro Environmental	M21-24-107
Taliaferro Hall	1101, 1103	990 SF of FT	Planned	6/16/2023	6/17/2023	Retro	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.
043		and mastic	Renovation			Environmental	
Marie Mount Hall 046	3202, 3407	1,405 SF of FT and mastic; 6 SF of fume hood; 5 lab tabletops	Planned Renovation	6/16/2023	6/26/2023	SanDow Construction, Inc.	M21-16-594
Bio-Psych Building 144	2227, 2229	310 SF of FT and mastic	Planned Renovation	6/24/2023	6/24/2023	ACM Services, Inc.	M21-15-094

Money Spent on In-House Asbestos Work

Month	Year	Supplies	Labor	Equipment	Total
July	2022	-	-	-	-
August	2022	-	-	-	-
September	2022	-	-	-	-
October	2022	-	-	-	-
November	2022	-	-	-	-
December	2022	-	-	-	-
January	2023	-	-	-	-
February	2023	-	-	-	-
March	2023	-	-	-	-
April	2023	-	-	-	-
May	2023	-	-	-	-
June	2023	-	-	-	-
Total	FY 2023	-	-	-	-

Comment: licensed asbestos contractors performed all asbestos work during FY23.

Equipment Usage and Maintenance System

Sampling by OSH/other staff and/or 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
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Facilities Management

Glynnis Bowman	Program Director	(301) 405-3982
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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.

Michael Stumpo and Glynnis Bowman are 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.
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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
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The following tag-out procedure for the asbestos-related equipment will be used in accordance with OSHA Standards 29 CFR 1910.147 and 1910.333:

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
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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
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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 reviewed to ensure that adequate safety measures are identified for protection of workers and occupants near the work. In addition, equipment is checked prior to use.
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Equipment Inventory Summary

Equipment Item	Age or Year Obtained	Period Between Maintenance	Inspection Frequency	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 the functional life cycle. Sufficient funds are available for the replacement.				
Respirators provided per necessity					
Plans for Replacement/Overhaul including funding.	Items will be replaced at end of the 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 determined
Plans for Replacement/Overhaul including funding.	Items will be replaced when repairs are no longer cost-effective. Sufficient funds are available for the replacement.				

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
Anthony Hartley	Facilities Management – Safety & Emergency Mgt.	(301) 873-9282
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 backup contact persons are:

On-call OSH representative (24-hour response)	ESSR – Occupational Safety and Health	(301) 405-3960
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Personnel located in the areas requiring emergency response are to evacuate the area and restrict access (e.g., via signage). After this, the personnel must contact the emergency contact person. The emergency contact person will direct initial response, 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 designers that this facility will use are:

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

An alternative to the licensed abatement companies may be a professional contractor from a qualified industrial hygiene firm to act as the project designer.

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 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:

Anthony Hartley	FM Safety & Emergency Mgt. Program Manager	(301) 873-9282
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 contract asbestos abatement companies.

Chain of Custody manifests are managed by:

Anthony Hartley	FM Safety & Emergency Mgt. Program Manager	(301) 873-9282
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 asbestos waste include (Level II personnel only):

- When transporting wastes on campus, personnel double-bag/double-seal the waste, place in enclosed vehicles, and proceed to the storage site.
- After observing any damaged or leaking containers, immediately repair in accordance with established procedures.
- Secure dumpsters within a locked compound to prevent public access.
- For Hazardous Materials Abatement Managers: when the quantity of waste approaches 20 cubic yards, make arrangements for shipment (e.g., DRF minor storage location) in accordance with established procedure.

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Waste Storage Inventory	Date	Quantity
Quantity of asbestos waste stored as of	7/1/2022	0.0 cubic yards
Quantity of asbestos waste generated during the reporting period		~230.20 cubic yards reported
Quantity of asbestos waste disposed of during the reporting period		~230.20 cubic yards reported
Quantity of asbestos waste still in storage as of	6/30/2023	0.0 cubic yards

Disposal Record for Period

Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Physics Building	8/4/2022	63	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 #540
Baltimore Hall	8/10/2022	18	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Ellicott Hall	8/10/2022	24	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Ellicott Hall	8/10/2022	8	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Preinkert Hall	8/21/2022	37	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Francis Scott Key Hall	8/22/2022	15	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Francis Scott Key Hall	8/22/2022	8	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Preinkert Hall	8/22/2022	34	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Energy Research Facility	9/2/2022	70	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 #540
Lee Building	9/29/2022	195	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 #540
Engineering Lab Building	10/16/2022	12	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Engineering Lab Building	10/16/2022	17	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Bio-Psych Building	11/1/2022	6	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Bio-Psych Building	11/1/2022	2	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Cambridge Hall	11/30/2022	30	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Symons Hall	12/11/2022	3	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Atlantic Building	12/29/2022	24	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 #540
Atlantic Building	12/29/2022	13	drums	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 #540
Marie Mount Hall	1/3/2023	38	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Physics Building	1/8/2023	20	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Physics Building	1/8/2023	15	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Francis Scott Key Hall	1/10/2023	170	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Francis Scott Key Hall	1/10/2023	26	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Reckord Armory	1/18/2023	6	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA 23083 #540

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Chemical & Nuclear Engineering Building	2/12/2023	75	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Health Center	3/12/2023	20	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Wind Tunnel	3/16/2023	60	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Taliaferro Hall	3/26/2023	28	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Energy Research Facility	4/18/2023	24	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Energy Research Facility	4/18/2023	10	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Lee Building	4/27/2023	26	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Lee Building	4/27/2023	46	bundles	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Wind Tunnel	5/5/2023	1	bundles	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Bio-Psych Building	5/17/2023	55	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Bio-Psych Building	5/17/2023	4	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Atlantic Building	5/24/2023	9	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Wind Tunnel	5/24/2023	2	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Wind Tunnel	5/24/2023	1	bundles	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Physics Building	5/30/2023	65	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Montgomery Hall	6/2/2023	5	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Montgomery Hall	6/2/2023	25	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Montgomery Hall	6/2/2023	5	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Montgomery Hall	6/5/2023	10	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Carroll Hall	6/6/2023	72	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Montgomery Hall	6/6/2023	35	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Montgomery Hall	6/6/2023	5	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Montgomery Hall	6/6/2023	5	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Morrill Hall	6/6/2023	30	bundles	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Morrill Hall	6/6/2023	5	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Montgomery Hall	6/7/2023	20	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Morrill Hall	6/7/2023	6	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Morrill Hall	6/7/2023	4	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Wicomico Hall	6/8/2023	38	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Montgomery Hall	6/9/2023	8	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Montgomery Hall	6/9/2023	7	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Varsity Sports Teamhouse	6/10/2023	20	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Morrill Hall	6/11/2023	9	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Morrill Hall	6/11/2023	36	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Ellicott Hall	6/12/2023	36	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Bio-Psych Building	6/13/2023	8	bundles	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Easton Hall	6/13/2023	11	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Easton Hall	6/13/2023	35	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Montgomery Hall	6/15/2023	15	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Varsity Sports Teamhouse	6/15/2023	20	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Kirwan Hall	6/17/2023	637	bags	EWSI 9625 Surveyor Ct., #210 Manassas, VA 20110	King & Queen Landfill 4443 Iris Road Little Plymouth, VA 23091 #554
Energy Research Facility	6/20/2023	22	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Energy Research Facility	6/20/2023	10	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Taliaferro Hall	6/27/2023	28	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Taliaferro Hall	6/27/2023	23	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984

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Location	Date	Amount	Type	Hauler	Landfill, Location, Permit #
Taliaferro Hall	6/27/2023	58	bundles	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Bio-Psych Building	6/30/2023	16	bags	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984
Bio-Psych Building	6/30/2023	4	drums	EA Logistics Services, Inc. 106 Egerton Road Langhorne, PA 19047	Minerva Landfill 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 #P0104984

Further Information/Comments:

None

Notification System

A notification program is designed to do two things:

1. Inform maintenance and custodial workers of what they need to know to be able to work safely in a building containing 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. A portion of training includes identification of ACM/PACM and availability/use of online asbestos inventories. Caution signs are posted inside mechanical rooms of buildings where asbestos materials have been identified warning of the presence of material. Employees are advised to isolate the area and report any damage to ACM possible. Employees are directed to isolate the area and report to supervisors the potential for damaging and releasing asbestos given current conditions.

Maintenance and custodial employees must receive this notification within 10 days after initial hire.

Building occupants where ACM is present must be informed about necessary precautions to avoid disturbing the ACM by the following methods:

Online 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.

All building occupants will receive this notification within 10 days after their initial occupancy.

The persons or positions responsible for providing this notification are:

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 that 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 Casey Cahill.

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

Casey Cahill	Assistant Director, OSH, 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 Casey Cahill 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 – FY23

Date	Course Title	Time Expended	Instructor
7/2/2022	Asbestos Awareness (Level I)	120 min.	M. Stumpo
7/20/2022	Asbestos Awareness Refresher	60 min.	M. Stumpo
8/4/2022	Asbestos Awareness (Level I)	120 min.	M. Stumpo
8/5/2022	Asbestos Awareness Refresher	60 min.	M. Stumpo
8/18/2022	Asbestos Awareness Refresher	60 min.	M. Stumpo
9/1/2022	Asbestos Awareness (Level I)	120 min.	M. Stumpo
10/20/2022	Asbestos Awareness Refresher	60 min.	M. Stumpo
11/3/2022	Asbestos Awareness (Level I)	120 min.	M. Stumpo
11/17/2022	Asbestos Awareness Refresher	60 min.	M. Stumpo
12/1/2022	Asbestos Awareness (Level I)	120 min.	M. Stumpo
2/2/2023	Asbestos Awareness (Level I)	120 min.	M. Stumpo
2/16/2023	Asbestos Awareness Refresher	60 min.	M. Stumpo
2/27/2023	Asbestos Awareness Refresher	60 min.	M. Stumpo
4/6/2023	Asbestos Awareness (Level I)	120 min.	M. Stumpo
6/1/2023	Asbestos Awareness (Level I)	120 min.	M. Stumpo

Note: No Asbestos Automotive retraining 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
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Employees will be notified of their medical monitoring appointments by:

UHC Personnel	UHC - Occupational Health	(301) 314-8172 or (301) 314-8199
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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 keeps 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
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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
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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/Es, "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 the 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 that 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:

Casey Cahill	Assistant Director, OSH, ESSR	(301) 405-2887
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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:

Michael Stumpo	OSH Coordinator, ESSR	(301) 405-3982
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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
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by:

Casey Cahill	Assistant Director, OSH, ESSR	(301) 405-2887
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Periodic surveillance is an on-going activity to be completed as schedules and time constraints permit.

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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.
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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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After the end of each period surveillance survey, information regarding the condition of asbestos materials will be incorporated into the files within 30 days.

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:

Casey Cahill	Assistant Director, OSH, ESSR	(301) 405-2887
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The 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 to 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.

Casey Cahill	Assistant Director, OSH, ESSR	(301) 405-2887
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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 the use and care of respirators:

- Employees receive annual Respiratory Protection training from/through 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 the storage of respirators filter cartridges, and other related components:

- Employees receive annual Respiratory Protection training from/through 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 the cleaning and disinfection of respirators:

- Employees receive annual Respiratory Protection training from/through 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 the batteries and condition of the device as detailed in the manufacturers' manuals and literature.

For PAPRs, 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, 2022 – June 30, 2023**

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 the Building Inspector - Management Planner class.

Michael Stumpo	OSH Coordinator	(301) 405-3982
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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
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Purchase and Supply Inventory System

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

No abatement activities conducted by UMD.

Specifications and requisitions for supplies have been developed by:

No abatement activities conducted by UMD.

Copies of supply specifications can be obtained from:

No abatement activities conducted by UMD.

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 for building inspections and other materials or equipment needed, 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, Safety and Emergency Response (7401 Baltimore Ave.)
and
ESSR Laboratory (Seneca Building #812)

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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- BCRs, FSRs, 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 Anthony Hartley	Facilities Management – Severn Building, 0704	Contact Stephen Reid (301) 405-6910 Contact Anthony Hartley (301) 873-9282
Permits, sampling data, waste manifests	Stephen Reid Anthony Hartley	Facilities Management – Severn Building, 0704	Contact Stephen Reid (301) 405-6910 Contact Anthony Hartley (301) 873-9282
Periodic Surveillance Results	Michael Stumpo	ESSR Seneca Building, Rm. 0103	Contact Michael Stumpo (301) 405-3982
Respiratory Protection Program	Casey Cahill	ESSR Seneca Building, Rm. 0103	Contact Casey Cahill (301) 405-2887
Consent/Refusal Status of Employees, Incentive Pay Log	Not followed at UM. Departments maintain pay logs.	Individual department payroll offices.	Contact the 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