ACWM Management Oversight
Contractor will provide oversight of the contractor performing abatement and disposal of asbestos containing waste materials (ACWM) to ensure compliance with all applicable federal and state regulations. Under this provision the disturbance or removal of the asbestos containing material (ACM) will be managed as regulated asbestos containing waste material.

All work must comply with applicable federal, state regulations, and State’s scope of work.

Contractor, acting as the Authorized Agent of the Minnesota Department of Transportation, will make application for, sign, and secure any and all permits, shipping papers, etc. The Contractor will be responsible for all permit fees associated with the work performed.

Asbestos Containing Waste Materials (ACWM) General
A. Contractor will schedule all oversight activities with State’s Project Manager and the ACWM abatement (removal) contractor.
B. State’s Project Manager must approve modifications, additions, or deletions to all requirements in writing.
C. Contractor will prepare and submit for review the Emission Control Plan (ECP) to State’s Project Manager at least 2 days prior to onsite work.
D. Contractor’s personnel holding a valid Minnesota Department of Health (MDH) Certified Asbestos Site Supervisor certification will perform asbestos abatement oversight.
E. Contractor’s oversight supervisor will ensure that all work must comply with applicable federal and state regulations.
F. If directed by State’s Project Manager, the Contractor will provide air monitoring services. For asbestos abatement projects where air sampling is required, Contractor must be able to determine results on site, upon completion of running the sample.
G. Contractor will stake the limits of excavation at the locations of the ACWM for removal and obtain GPS coordinates (for final report).
H. Contractor will ensure the asbestos abatement contractor will file a project Health and Safety Plan with State’s Project Engineer at the Preconstruction Conference.
I. Contractor will ensure the asbestos abatement contractor has performed a utility check prior to any on-site work.
J. Contractor will ensure, when excavating soil contaminated with asbestos containing material, the entire soil volume will be treated as asbestos containing material. HAND SEPARATING OF ASBESTOS CONTAINING MATERIAL IS NOT ALLOWED IN THE ACWM-IMPACTED AREA unless approved by State’s Project Manager.
K. Contractor will ensure that no staging of excavated ACWM takes place on-site. All ACWM will be directly loaded from the excavation for transport to the landfill for disposal. The asbestos abatement contractor will not haul asbestos soils that contain free liquids to the landfill. The asbestos abatement contractor will be prepared to mix saturated ACWM or amendments (for example but not limited to: sawdust or bentonite) so that the soil is dry enough for disposal at a State approved landfill. If a situation arises where this cannot be done, a written plan must be submitted to State’s Project Manager for approval.
L. Contractor will ensure all personnel performing ACWM abatement work have valid asbestos worker
MDH certification (MDH Asbestos Hard Card) and will document proof of training for each individual performing ACWM abatement activities at the site. Contractor will ensure at least one MDH-certified asbestos site supervisor with applicable certification is on the work site. Contractor will ensure all contractor personnel must carry their MDH-certified Asbestos Hard Cards at all times when actively performing abatement work on site.

M. Contractor will ensure that any sub-contractors performing any asbestos-related activities provide at least one MDH-certified asbestos site supervisor to be on site during work activities.

N. Contractor will ensure that the ACWM abatement contractor properly completes the MDH/Minnesota Pollution Control Agency (MPCA) asbestos abatement notification form. Contractor will obtain a copy of the completed form from the ACWM abatement contractor at the same time it is sent to the Regulatory Agencies. The ACWM abatement contractor will provide proof to State’s Oversight Contractor that the MDH and MPCA have received notification of the asbestos abatement (either by facsimile receipt or certified mail) before commencing the ACWM abatement.

O. Contractor will complete and sign applicable documentation on behalf of State. This documentation includes: temporary notification of regulated waste activity forms, shipping papers, and local permits. Contractor will determine if local permitting is required.

P. Contractor will conduct a final visual inspection of the completed work area to confirm complete abatement of ACWM. If complete abatement of ACWM cannot be achieved, Contractor will contact State’s Project Manager. State’s Project Manager will make the determination if any ACWM can remain in-place.

Q. Contractor will ensure excavation area is backfilled with clean fill unless State’s Project Manager instructs that it is not required.
   - Backfill site with clean fill and top with 3” of common topsoil material;
   - Till topsoil to remove clods of soil greater than 3 inches in diameter and any ruts, rills, or gullies deeper than 3 inches deep or wide, and create a smooth, evenly textured soil surface prior to planting seed;
   - Plant State seed mix 22-111 uniformly at a rate of 30.5 pounds pure live seed per acre. Use a mechanical seeder or hydroseeder. If hydroseeding, add a 50 pound bale of Hydraulic Mulch;
   - Install Category 3 Natural Net erosion control blanket after seeding from State Approved Product List.

R. If leaving known ACWM outside the excavation area, Contractor will ensure the asbestos abatement contractor will line the surface area with type 5 geotextile and cover with a minimum of 4 ft. of soil. Any deviation will be with permission from State’s Project Manager.

Disposal

A. Contractor will ensure all ACWM is hauled to a MPCA-permitted Municipal Solid Waste (MSW) landfill or a MPCA-permitted Industrial Landfill facility for disposal or a State approved landfill. ACWM WILL NOT BE DISPOSED AT A DEMOLITION LANDFILL. Contact State’s Project Manager for State approved landfills.

B. For nonemergency work the Contractor will obtain a completed landfill waste profile form(s) from the ACWM abatement contractor, a minimum of 5 working days prior to beginning excavation.

C. Contractor will ensure all ACWM removed will be shipped directly from the project site to the landfill. There will be no co-mingling of ACWM from this project with waste from other sites outside the project prior to hauling to the landfill.

12/30/19
Documentation

A. Contractor will obtain clear legible copies of the shipping papers, landfill receipts, work plan, daily sign-in, and MDH hard cards from the abatement contractor and any sub-contractors within 10 days the waste is shipped from the project site.

B. Contractor's oversight supervisor must maintain a daily field log, which will be provided to State's Project Manager for inclusion into the final report. At minimum the field log will contain but not be limited to the following information:
   - Ensure the abatement notification(s) to the MPCA/MDH are timely, complete, accurate, and legible
   - Dates and times the abatement contractor worked
   - Amounts and types of asbestos removed
   - Hours spent on removal activities
   - Daily logs
   - Laboratory results and Chain-of-Custody forms
   - Other information that is pertinent to the project
   - Other related work as required by State's Project Manager

C. The final report will include, but not be limited to:
   - ECP will be a separate document
   - Picture on the front page with title, S.P. #, etc.
   - Table of contents
   - Signed, dated, and MDH site supervisor certification number by the oversight contractor, CHMM and abatement contractor
   - Copy of individual MDH certifications and hard cards for Contractor and other contractors

D. Copy of CHMM certificate.
   - Copy of MDH Asbestos Abatement License for Contractor and other contractors.
   - Summary of actions which include:
     - Background
     - Owners
     - Location
     - Quantities
     - Types of materials (all)
     - Method of removal
     - Spraying – if no water, then temperatures should be taken (min. 3 times/work day)
     - If temps were taken (at site, not airport)
     - Backfill
     - Field Verification of Removal (i.e., visual or other)
   - Shipping papers, hard cards, etc.

E. Contractor will provide a draft copy of the report for review by State's Project Manager within six weeks of work completed, or as approved by State's Project Manager.

F. Contractor will submit electronic copies of the report to State's Project Manager within two weeks of receiving comments from State's Project Manager, or as approved by State's Project Manager.
Surface swab samples will also be collected off select building materials, impacted by the mold contamination that are to remain in place (i.e., concrete walls, wood studs/joist, etc.).
- Minimal levels of mold spores present, less than 25 colonies – surface considered clean – no additional remediation is required.
- Moderate to high levels of mold spores present, 26 to 50 colonies – re-clean affected area.
- High levels of mold spores present, greater than 50 colonies – re-clean affected area if non-porous; remove affected area if porous.

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