

SPECIFICATIONS

Commonwealth of Pennsylvania
Department of Environmental Protection

Scope of Work
May 28, 2025

Mahoning Street Milton Site
1010 Mahoning Street
Turbot Township Northumberland County

Prepared by
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Background

The site of concern is a wood-frame residential home with a basement located on an approximately 0.25 acre lot in Turbot Township, Northumberland County. The site has a physical address of 1010 Mahoning Street, Milton, PA. On October 20, 2006 the Department responded to the site when the owner's son claimed that he had radioactive material. DEP's NCRO Emergency Response Team and Bureau of Radiation Protection staff conducted a site inspection. The inspection revealed both chemicals and radiation sources at the residence. The property owner was given instructions that the material must be disposed of properly and a hazardous material contractor was retained. On April 30, 2025 DEP Waste Management and Radiation Protection responded to the Lycoming County Landfill after the third load in the last six weeks from the same trash pickup route set off their radiation detectors. Investigation of the load identified the material in question as coming from the 1010 Mahoning Street Milton address that DEP responded to in 2006. On May 5, 2025, Waste Management, Radiation Protection and Environmental Cleanup and Brownfields conducted a joint inspection of the residence. The inspection identified numerous potential radiation sources were present. A subsequent inspection was conducted by Radiation Protection on May 7, 2025 which identified and consolidated additional radioactive material. Some of this material was taken to Lycoming County Landfill for storage in their secure area for this type of material. The inspection also identified the presence of contamination within the house.

Site Description

Subsequent investigation conducted on May 12, 2025 by DEP Radiation Protection identified a few additional radioactive sources remain and that there were multiple areas of contamination of the house flooring, furnishings and equipment. In addition, radiologically impacted trash and debris were found in various boxes and bins. These materials were found in various locations throughout the house, including the cellar. An

investigation of the exterior of the property was conducted on May 21, 2025 and did not find any additional areas of concern. Some chemicals, notably three containers labeled as hydrochloric acid, were also discovered, but not tested. The radiation exposure levels within the residence do not pose an immediate risk to the resident under the current use of the building, however, precautions and controls must be maintained in order for protection of human health to be maintained.

Objectives

To dispose of the previously collected radioactive material, identify and collect any additional radioactive material at the residence, remediate the contamination of the residential structure, furnishings and equipment and dispose of any non-radioactive hazardous materials.

Specifications:

Tasks:

1. As soon as possible after the Notice to Proceed is issued, the contractor shall either participate in a conference call, or attend an on-site scoping meeting if determined to be beneficial, with Department representatives and be prepared to begin their evaluation.
2. Locate all radiological impacted non-structural items that will need characterized and packaged for proper disposal.
 - a. Characterize these removable items sufficiently to determine acceptable disposal options.
 - b. Evaluate if large furniture items would be cost effective to try to decontaminate vs removal of the entire item for disposal.
3. Survey the entire house to document any areas of radiological impacts that will need to be remediated.
4. Evaluate known contaminated areas within the home to determine if locations can be effectively decontaminated in place or if they need removed completely.
5. Decontaminate and/or remediate the home to radiological levels suitable for unrestricted use.
6. Perform appropriate radiological surveys of the entire home and prepare a report documenting the final radiological conditions of the property.
7. Restore any areas of the home that required extensive remediation that would be a safety hazard.
8. Characterize and package all waste materials generated.
9. Characterize if needed and package all waste previously removed from the home by PADEP that is stored at the local landfill.

10. Ship all materials for disposal and provide final documentation to the Department.

End Product/Deliverables:

- Site Characterization Summary following the evaluation (Tasks 2 and 3, above) including a work plan for remedial actions and anticipated project schedule.
- Subcontractor approval paperwork for the decontamination and disposal of the radioactive material by a (certified? Any specific requirement?) company.
- End of Project Report summarizing all activities that occurred at the residence, including all data collected and calculations used to conclude that the home is suitable for unrestricted use.

Additional Information:

Inspection reports

Any questions regarding the site or this Scope of Work may be directed to Cheryl Sinclair, Department of Environmental Protection, Northcentral Regional Office, Environmental Cleanup and Brownfields, 208 W. Third Street, Suite 101, Williamsport, PA 17701. Phone Number (570) 327-3429 or email csinclair@pa.gov.