

**Work Plan**  
**Mahoning Street Milton Site**  
*TURBOT TOWNSHIP,*  
*NORTHUMBERLAND COUNTY, PA*

*Prepared for: Pennsylvania*  
*Department of Environmental Protection*

**PADEP Requisition No. IRRSC8 4-117**  
***Amentum Project No. 4775.Mahoningst.001010***

Work Plan  
Mahoning Street Milton Site  
Turbot Township,  
Northumberland County, PA

Prepared for:  
Pennsylvania Department of Environmental Protection

PADEP Requisition No.: IRRSC8 – 4-117

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Amentum Project No. 4775.Mahoningst.001010

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## **1.0 Introduction**

The information included in this Work Plan (WP) is based on the Scope of Work (SOW) discussed during the Scoping meeting conducted on July 1, 2025 (**Appendix A**) and information collected by Amentum Energy & Environment North America. (Amentum).

### **1.1 Site Description**

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.

### **1.2 Site Background**

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.

A subsequent investigation conducted on May 12, 2025, by DEP Radiation Protection identified a few additional radioactive sources that remained 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.

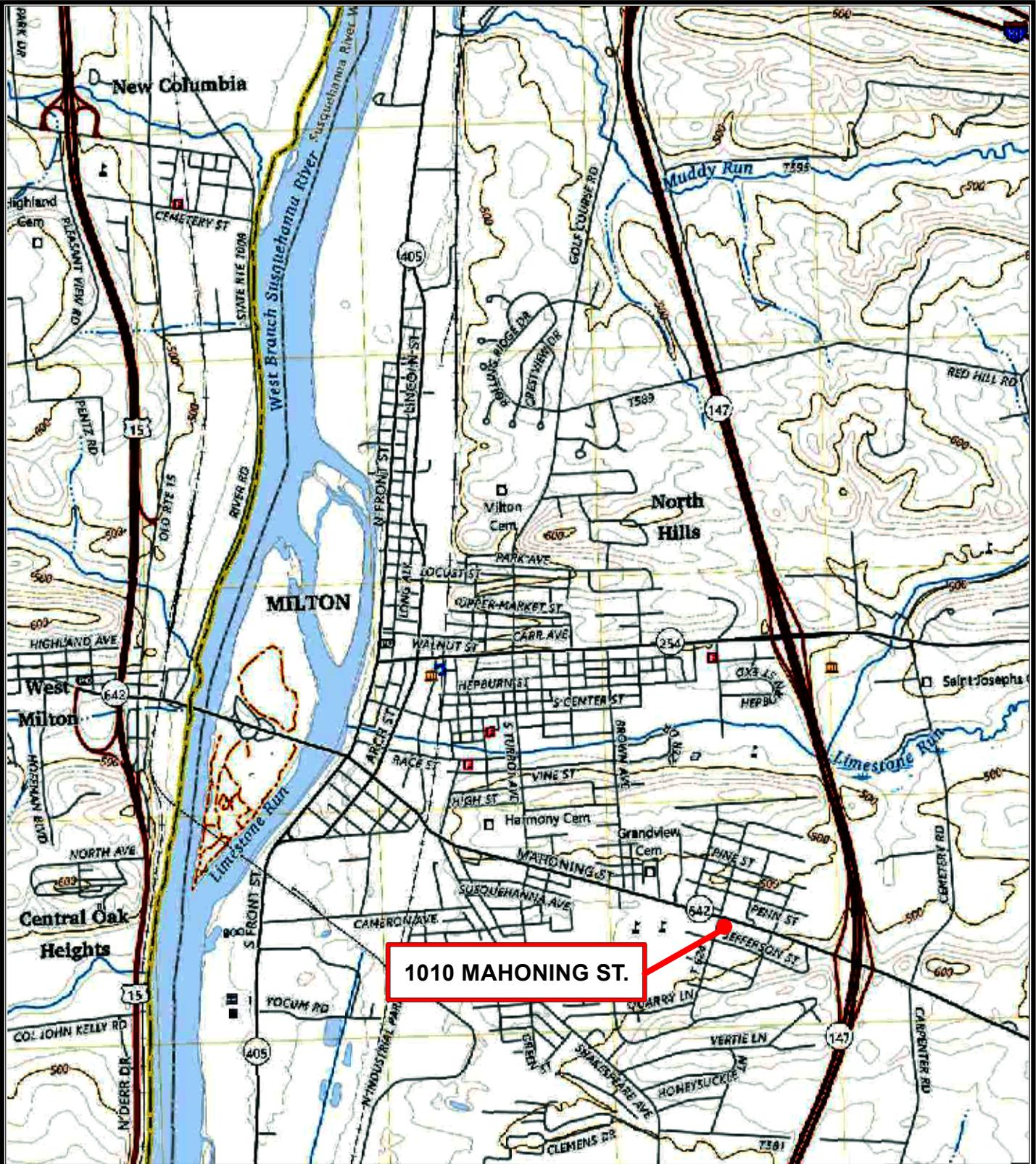
### 1.3 Project Objectives

Per the Department's SOW, the primary objective of this work is to:

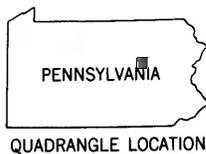
- 1 . Identify the radiologically impacted structural and non-structural items.
- 2 . Characterize the items sufficiently to determine acceptable disposal options.
- 3 . Complete a survey of the entire house to locate all areas with radiological impacts that will require remediation.
- 4 . Determine the most economical solution for remediation, decontamination or disposal.
- 5 . Complete the remediation of the impacted areas.
- 6 . Complete a final status survey (FSS) to confirm the site is suitable for unrestricted use.
- 7 . Characterize, package and transport all waste, including waste previously removed from the site to an approved disposal facility.
- 8 . Provide documentation of the final disposition of the waste.

The major components of this remediation effort are:

- Prepare a Remediation Work Plan.
- Survey the property, interior and exterior.
- Remove radiologically impacted items to render the home suitable for unrestricted use.
- Characterize, transport and dispose of impacted items.
- Complete a Final Status Survey of the property, e.g. house, garage, exterior.
- Restore areas that required extensive remediation, and
- Provide an End of Project Report to document the remediation effort.



REFERENCE:  
 BASE MAP IS A PORTION OF THE U.S.G.S. 7.5 MINUTE  
 TOPOGRAPHIC SERIES MILTON, PA QUADRANGLE.  
 DATED: 2023, SCALE: 1"=2000', CONTOUR INTERVAL IS  
 20 FEET, NAVD 1988.



PA DEPT. OF ENVIRONMENTAL PROTECTION  
 MAHONING ST. MILTON SITE - IRRSC8-4-117

1010 MAHONING ST, MILTON, TURBOT TWP., NORTHUMBERLAND CO., PA

**WORK PLAN**

SITE LOCATION MAP



FIGURE  
**1-1**

## 2.0 Project Task Descriptions

There are Six major tasks associated with this assignment. The Six tasks are Pre-Mobilization Work, Rad Survey\Waste Inventory, Waste Collection and Staging, Waste Transport and Disposal, Final Status Survey and Project Report Preparation.

### 2.1 1000 Project Management/Administration

Throughout the project, a management staff from Amentum's Pittsburgh, Pennsylvania office will support field activities. This management staff will be responsible for the preparation, review, and/or submittal of the monthly invoices, daily activity reports, project status reports, manpower and resource planning, cost tracking, procurement, subcontractor management, scheduling, technical support, periodic schedule updates, and general coordination with the Department's Regional and Central Offices.

The Daily Activity Reports will be prepared by Amentum's Site Superintendent (SS) and will document Amentum's field activities. A copy of the Department's standardized 4-page document has been included in **Appendix B** of this Work Plan. This report will include a discussion of weather conditions, the work performed, the authorized on-site personnel, a list of all visitors, daily per diem expenses charged, equipment used, materials either delivered or used, subcontractor activity, transportation activities, and other pertinent project information. Supporting information will be attached as appropriate. The report will be prepared and submitted to the Department's Project Officer by noon of the following workday or at a frequency determined by the Department's Project Officer. The report will be signed by Amentum's senior site representative, and amendments and/or corrections will be made as mutually agreed upon.

Project Status Reports will be prepared by Amentum's PM and will summarize work activities at minimum on a monthly basis or at a frequency determined by the Department's Project Officer. The reports will be submitted to the Department's Project Officer and Central Office Contract Manager beginning with the start of the field activities and will continue during site work. At a minimum, the Project Status Report shall discuss the following topics:

- Work planned for this reporting period.
- Work accomplished during this reporting period.
- Deliverables submitted during this reporting period.
- Material(s) removed during this reporting period.
- Work planned but not accomplished during this reporting period.

- Problems and/or unanticipated difficulties encountered, and corrective actions taken to resolve these issues.
- Work plan changes, anticipated, and/or made.
- Schedule status that includes a copy of the updated progress schedule.
- Project cost analysis that includes an updated task-by-task budget variance report.
- Work planned for the next reporting period; and
- Invoices pending payment.

Amentum will submit project-specific invoices on a monthly basis. The original copy of each invoice will be submitted to the Bureau of Land Recycling and Waste Management, Hazardous Sites Cleanup Program, in Harrisburg, Pennsylvania to the attention of the Fiscal Assistant. A copy of each invoice will also be submitted to the Regional Office, “ATTN: Project Officer”, located at the Regional Office in Williamsport, PA. Each invoice submitted will be accompanied by an invoice summary cover sheet and will be tabbed on a task-by-task basis.

All invoices will be prepared per the Department’s standardized instructions and format as provided in the IRRSC Agreement. Amentum’s corporate accounting staff with input and assistance from administrative and project management personnel in the Pittsburgh, Pennsylvania office will prepare the invoices and backup documentation.

## **2.2 Pre-Mobilization Work**

Pre-Mobilization work includes all aspects of the assignment that are completed prior to the start of site activities. These include preparation of a project work plan and procurement activities. Also included is time for Amentum’s site management team to prepare for site activities. These preparations include, but are not limited to, coordination with Amentum personnel assigned to the project, obtaining the necessary supplies and equipment to mobilize to the site, obtaining the necessary equipment from the Amentum warehouse, and mobilization to the site. Also included is the familiarization with the requirements of the final approved work and health and safety plans and coordinating with the necessary vendors and suppliers to assure a smooth project mobilization and startup.

### **2.2.1 1010 Work Plan Preparation**

Amentum was tasked with developing a Work Plan to complete the specific activities outlined in the Department’s SOW. This Work Plan includes a discussion on the number and title of employees, types of equipment, and subcontract resources to be used on a task-by-task basis. It also includes a discussion of Amentum’s proposed Cost Budget Estimate and proposed Schedule. Each of these submittals has been incorporated as either an individual section or as an appendix within the overall supplemental Work Plan.

Within 5 days of receipt of the final set of comments, each comment will be addressed and submitted to the Regional Project Officer and the Central Office Contract Manager for their concurrence. After the Department's review and concurrence with Amentum's responses, the Work Plan will be revised and resubmitted as a final document for approval.

### **2.2.2 1040 Procurement**

Procurement will be provided to order and schedule equipment, materials, and subcontractors as necessary to implement the scope of work. The work will include preparing technical statements of work and bid forms, reviewing bids for technical qualifications and compliance with the statement of work (SOW), preparing bid abstracts and negotiating SOW exceptions, bid prices, prime contract flow-down provisions and issuing the PADEP Subcontractor Approval Form (SAF).

During the preparation of the cost estimate, preliminary budgetary procurements will be requested from subcontractors and suppliers to assist with specialty work on this portion of the project. The subcontract / purchasing process will consist of:

- On-site Radiological Support and Off-site Laboratory Analysis.
- Outside Equipment Rental, and
- Transportation and Disposal Services.

During the procurement phase of the project, Amentum's selection of the preferred vendor for procurements pertaining to the Mahoning Street Milton Site will be coordinated with the Department.

Amentum plans to begin procurement upon notice to proceed. Subcontracts to provide radiation protection and analytical services and waste transportation and disposal will be competitively bid, and Amentum will provide detailed summaries for each bid along with a recommendation. A SOW will be provided based upon the analytical results to identify anticipated waste streams. The Department will be provided with a draft SOW for review and comment. Amentum will provide the request for quotation to perspective providers to expedite the procurement and approval process.

### **2.2.3 Mobilization / Site Preparation**

Following Department approval of the Work Plan and procurement activities, Amentum will proceed with mobilization and site preparation activities. The activities will include mobilization of personnel, equipment, and resources as necessary to complete the remediation activities.

In order to complete the field activities, Amentum anticipates mobilizing the following personnel: a site supervisor, two laborers, a Certified Health Physicist (part-time on site), and a

health physicist/radiation safety officer (HP/RSO) and one or two health physics technicians (full-time on site). Amentum will also mobilize a tool trailer with small tools and equipment.

A support zone will be established at an approved location, likely the back porch with the tool trailer staged next to the garage.

These activities must be completed prior to the start of the remediation effort.

## **2.3 3018 Rad Survey / Waste Inventory**

The following procedure outlines the methodology that will be executed for conducting the radiological survey and waste characterization within the residential dwelling, which includes lawn area and garage, and for items stored at the Lycoming County Landfill. The process is currently focused on the detection and quantification of potential radium-226 (Ra-226), Thorium-232 (Th-232 including daughters), and americium-241 (Am-241) contamination.

### **2.3.1 Pre-Survey Preparation**

Preparation activities will be conducted prior to commencement of radiological surveys, inventory, and segregation activities. This will include the proper calibration at our the subcontractor's subsidiary (Safety and Ecology Corporation) ISO 17025 certified instrument and repair facility in Knoxville TN; as well as daily quality control checks of all radiation detection instruments in accordance with Subcontractor's (Perma-Fix) standard operating procedures (SOPs); providing the means necessary to document the findings; and ensuring that the appropriate personal protective equipment (PPE) is available for the suspected contaminants.

### **2.3.2 Health and Safety**

Health and safety activities that will be performed during the remediation activities at the Mahoning Street Milton Site are outlined in this section.

#### **2.3.2.1 Work Zone Establishment**

Amentum will establish a work zone to restrict unintended access into the work area where remediation and waste handling will be performed. Zones within the work zone will include the Support Zone (SZ), the Contamination Reduction Zone (CRZ) and the Exclusion Zone (EZ). The EZ will be any area in which intrusive work is in progress and contaminants may be present. The EZ will also contain the Radiological Control Area (RCA) if applicable and will be designated by a boundary marked with warning rope and/or tape. The SZ will be any area in which contamination is not present, and access is not restricted with respect to Amentum, Subcontractor or Department personnel. The CRZ will be a buffer area between the EZ and SZ and will provide a single portal for access into the EZ/RCA. The CRZ will contain a radiological control point where personnel and equipment will enter after signing under the radiation work permit and be scanned prior to exit if necessary. Decontamination stations will be set up as necessary for use to minimize the transport of impacted material outside the EZ. All areas will be clearly marked and monitored as outlined in the Environmental Health and Safety Plan

(EHS) (Appendix C). Additional controlled areas (i.e., Radioactive Materials Area [RMA]) may be needed in support of the onsite remediation activities. If necessary, additional controlled areas will be established at the direction of the RSO and in accordance with Perma-Fix's SOPs.

The Amentum representative will inspect equipment and materials delivered to the site. Any items not required within the EZ or CRZ will be staged in the support zone.

### **2.3.2.2 Site Orientation and Tailgate Safety Meetings**

The success of Amentum's safety program relies on two major field components, safety meetings and inspections.

- Safety Meetings - All personnel assigned to the field project will attend a site-specific safety briefing/orientation at the beginning of the project and daily "Tailgate Safety Meetings" at the beginning of each workday.
- Safety Inspections - At the field level, the Site Superintendent and/or the SSHO, or their designee, are mandated to perform daily weekly inspection of the entire work site. The Project Manager is mandated to conduct monthly inspections. These time periods are minimum requirements for all active field projects and can be intensified based upon unacceptable project performance or high-risk projects as determined by the Regional HSE Manager.

### **2.3.2.3 Radiological Safety**

Radiation hazards associated with this project are generally small and are expected to constitute a small fraction of the allowed radiological limits for remediation workers. Nonetheless, Amentum's approach to radiation protection, described herein, is to implement engineering controls to keep radiation doses As Low As Reasonably Achievable (ALARA) and perform monitoring to verify the effectiveness of those controls at minimizing worker exposure, and therefore also be protective of site visitors and people living and working in the area surrounding the property.

Engineering controls will be employed as necessary to reduce potential airborne activities.

Based on the existing survey and sampling data, direct exposure rates from the radiological COCs are expected to be at average dose rates less than 100 microrem/hour ( $\mu\text{rem/hr}$ ). These dose rates result in a small fraction of allowed limits and are expected to be well below the public and occupational limits of 10CFR20.

Work zone air sampling will be performed in accordance with Perma-Fix SOPs. Air sampling results will be compared to the occupational derived air concentration limit (DAC) and effluent air concentrations for Th-232. The DAC value and effluent air concentration for Th-232 are  $1\text{E-}12$  microcuries per milliliter ( $\mu\text{Ci/ml}$ ) and  $4\text{E-}15$   $\mu\text{Ci/ml}$  respectively.

### 2.3.3 Survey Methodology

The surveying methodology will be implemented to provide a systematic surface scan on interior surfaces (walls, ceiling, floors, counter tops, furniture, etc.) and accessible exterior surfaces including the lawn and garage. The detector proximity and scan speed will be determined to allow for adequate detection of radiation signals. The speed may be adjusted based upon instrument sensitivity and background radiation levels. Baseline background radiation levels will be established in an uncontaminated property area or other representative external location and measured at regular intervals throughout the survey. Onsite surveys will include, but not be limited to, a combination of gross gamma scanning and alpha/beta-gamma surface contamination surveys. Gross gamma survey results will be compared to established site backgrounds and surface contamination results will be compared to limits established in NRC Reg. Guide 1.86. Acceptable surface contamination limits are detailed in Table 1 below. Areas and materials exceeding the limits in Table 1 are considered impacted and will be remediated with Department approval.

**Table 1: Surface Contamination Limits**

Nuclide <sup>a</sup>	Average <sup>b,c</sup>	Maximum <sup>b,d</sup>	Removable <sup>b,e</sup>
U-nat, U-235, U-238, and associated decay products	5,000 dpm α/100 cm <sup>2</sup>	15,000 dpm α/100 cm <sup>2</sup>	1000 dpm α/100 cm <sup>2</sup>
Transuranics, Ra-226, Ra-228, Th-230, Th-228, Pa-231, Ac-227, I-125, and I-129	100 dpm/100 cm <sup>2</sup>	300 dpm/100 cm <sup>2</sup>	20 dpm/100 cm <sup>2</sup>
Th-nat, Th-232, Sr-90, Ra-223, Ra-224, U-232, I-126, I-131, I-133	1,000 dpm/100 cm <sup>2</sup>	3,000 dpm/100 cm <sup>2</sup>	200 dpm/100 cm <sup>2</sup>
Beta-gamma emitters (nuclides with decay modes other than alpha emission or spontaneous fission) except Sr-90 and others noted above.	5,000 dpm β-γ/100 cm <sup>2</sup>	15,000 dpm β-γ/100 cm <sup>2</sup>	1000 dpm β-γ/100 cm <sup>2</sup>

<sup>a</sup> Where surface contamination by both alpha and beta-gamma emitting nuclides exist, the limits established for alpha and beta-gamma emitting nuclides should apply independently.

<sup>b</sup> As used in this table, dpm (disintegrations per minute) means the rate of emission by radioactive material as determined by correcting the counts per minute observed by an appropriate detector for background, efficiency, and geometric factors associated with the instrument.

<sup>c</sup> Measurements of average contaminant should not be averaged over more than 1 square meter. For objects of less surface area, the average should be derived for each such object.

<sup>d</sup> The maximum contamination level applies to an area of not more than 100 cm<sup>2</sup>.

<sup>e</sup> The amount of removable radioactive material per 100 cm<sup>2</sup> of surface area should be determined by wiping that area with dry filter or soft absorbent paper, applying moderate pressure, and assessing the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. When removable contamination on objects of less surface area is determined, the pertinent levels should be reduced proportionally and the entire surface should be wiped.

#### 2.3.3.1 Isotope-Specific Measurements

Gamma-ray, Alpha, and other meters will be used as appropriate during survey activities to identify the presence and levels of activity for Am and Ra.

### **2.3.3.2 Final Status Survey**

A Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) based final status survey (FSS) will be performed on interior surfaces (walls, ceiling, floors, counter tops, furniture, etc.) and accessible exterior surfaces including the lawn and garage following the conclusion on remediation and waste loadout activities. The FSS will include surface scans, static and smear measurements, gross gamma walkovers, and soil sampling. Soil sampling during the Final Status Survey will include gamma spectroscopy for the radionuclides of concern or other appropriate methods to identify the isotopes of concern and/or their progeny, as directed by the Department.

### **2.3.4 Field Documentation**

The following methods are proposed to mark areas of elevated activity. All survey reading, locations, dates, times collected along with the detector types will be recorded real time on the appropriate survey log. Areas exhibiting contamination levels above the applicable release criteria will be marked. Marking on structural areas will be made with readily removeable markers (e.g. tape, chalk, etc.) and the location will be documented in a site drawing. Individual movable items (e.g. furniture, decorations, etc.) will be labeled by tagging or other means to document the elevated activity and type of radiation detected. The description, location, survey reading, and the tag number of the item will be recorded. Representative samples will be collected from items identified for disposal and submitted to an approved laboratory for analysis to determine waste classification.

### **2.3.5 Management of Movable Items with Elevated Activity**

Moveable items with elevated activity will be segregated, evaluated before relocating and if necessary, will be size reduced and receive additional packaging (i.e. bagged or poly wrap) to facilitate relocation while minimizing the possibility of cross-contamination. Size reduction will be completed by disassembling or other Department approved means. It is anticipated that an area in the basement will be used to stage these items. The storage area will be labelled with appropriate radiation warning symbols and information regarding the nature of the contamination. The disposal of these items along with any flooring or other material removed during remediation will be shipped for offsite disposal at a Department approved facility.

### **2.3.6 Post Survey/Inventory Activities**

The survey instruments will be decontaminated, as necessary, following the completion of the survey, segregation, and inventory process. All disposable PPE will be managed as potentially contaminated, double bagged and placed in a designated area in the basement.

The pertinent data collected during the survey and inventory will become part of a package submitted to the approve facility to gain disposal approval.

## **2.4 4000 Waste Collection and Staging**

This section outlines the technical approach for the selective demolition of identified areas within the residential structure contaminated with elevated levels of Th, Ra and Am. The objective is to safely and effectively remove contaminated materials, manage radioactive waste, and restore the affected areas to a safe and compliant state. The SOW includes the controlled selective removal of specified flooring elements, packaging of contaminated items, loading of generated waste material from a designated basement staging area, and the subsequent restoration of the removed flooring. The SOW also includes the safe packaging and shipment of identified Th, Am and Ra sources currently stored at the Lycoming County Landfill.

### **2.4.1 Selective Removal**

The removal approach will be 'soft' and 'selective', focusing on the precise removal of contaminated materials (details on verification measurements will be determined prior to mobilization) while minimizing disturbance to the surrounding structure and preventing airborne release of radionuclides.

The primary work areas will be fully enclosed using sealed polyethylene sheeting and set as the EZ. Access into the EZ will be through one point of entry restricted to remediation staff. A CRZ will be immediately adjacent to the EZ and will be used to doff PPE. The used PPE will be placed into bags and staged for offsite disposal.

The areas and materials to be removed will be determined based upon the scans completed during Task 3018 activities. The areas impacted will be marked at the time of the scan with the locations being documented on a site drawing and photographed so they can be reestablished. The removal is expected to be isolated to the exposed hardwood floor in the bedroom (up to 17 cubic feet), a section of floor joist below the flooring and the countertop in the kitchen (up to 3 cubic feet). The floor removal will be completed by first inspecting the underside of the flooring from the basement to confirm there are no utilities or other obstruction. The flooring will be cut using a power saw. A vacuum equipped with HEPA filtration will be used to collect fugitive dust. Polyethylene sheeting will be attached to the bottom of the floor joist in the basement below the area to be cut to collect the saw dust. The cut will be made outside of the impacted area to minimize the potential for spreading contamination during saw cutting activities. Once the flooring is cut, it will be removed from the floor joist and packaged for disposal. The packaged waste will be scanned prior to being removed from the EZ and of a size that can be moved by hand through the residence. Once cleared, the packaged waste will be temporarily stored in the established staging area in the basement. The waste will be eventually placed into the shipping container for transport to the approved disposal facility. Once the flooring is removed the floor joist will be scanned and if necessary, the impacted section will be removed.

It is anticipated that the entire contiguous countertop in the kitchen will be removed. Size reduction of the waste items will be limited to that necessary to meet the acceptance criteria of the approved disposal facility. Countertop sections will be wrapped in polyethylene sheeting and temporarily stored in the basement with the other waste materials. It is anticipated that the sink, plumbing, and fixtures will be scanned to confirm that they can be reinstalled during the restoration.

The shelving located in the basement room, that is free standing or attached to the walls, will be removed and sized to minimize disposal volume. These materials will also be wrapped in polyethylene sheeting and temporarily stored in the basement with the other waste materials.

Amentum will identify “chemical hazards” within and limited to the work areas that are being addressed for radiation concerns. This includes the potential hydrochloric acid in marked containers in the room located in the basement. These containers will be initially field tested for pH. If testing confirms the liquid to be acid, the container will be sampled and analyzed if necessary for disposal approval, and be properly packaged, staged in the basement, then transported offsite for disposal.

#### **2.4.2 Restoration**

Restoration of the site will include replacing removed, structural materials. Floor joist removed will be replaced to meet the functional application of the existing material. The flooring in the bedroom will be replaced using sub-flooring sheets set to match the level of the existing flooring. It is anticipated that a vinyl plank flooring will be installed atop both the existing and patched area. The baseboards or quarter round removed to complete the vinyl plank floor installation will be replaced.

The kitchen countertop will be replaced with a new laminate countertop. The original sink and fixtures will be reinstalled assuming they are not radiologically contaminated above release criteria.

There is no plan to replace any shelving, furniture or other impacted items.

#### **2.5 4020 Transportation and Disposal of Waste Materials**

Transportation and disposal of the waste generated from site activities will be coordinated with the approved subcontractor. It is anticipated that an intermodal container will be used to contain the waste removed from the residence during the Task 4000 activities, that the 11 containers of waste currently stored at the Lycoming County Landfill will require a separate package and each of these will require separate shipping. Both container type and shipping requirements will be evaluated based upon the requirements of the approval disposal facility.

The container delivery will be scheduled to coincide with the completion of the removal activities at the residence. Upon arrival, the waste will be removed from the basement staging

area and placed into the container. The plan is to deliver, load, and ship the container on the same day. The cost included are preliminary and will likely change based upon final classification.

Tracking of all waste shipments to final destinations will be the responsibility of Amentum. Amentum will insist on delivery of this information from any subcontractor utilized as part of the bidding process and prior to subcontract award. Details of any subsequent waste transfer or reprocessing will be provided to the PADEP prior to that waste stream's original handling and preparations at the site. Situations that may arise leading to re-designation of a waste stream for treatment or disposal other than originally intended, for whatever reason, will be brought to the attention of the PADEP Project Officer immediately. The Project Officer will approve any deviations prior to their implementation.

## **2.6 2070 End of Project Documentation**

The End of Project report will present an overview of the project's activities from the initial site visit / scoping meeting through final demobilization. The report will describe, if needed, unique or special tasks performed, additional work performed beyond the original scope of work, and problems encountered with associated corrective action(s).

Draft and final copies of the report shall be submitted for review, comment, and approval. The report will include (if applicable), but not be limited to, the following:

- Report summary.
- Narrative of the work performed (including project objectives, mobilization and demobilization, site setup, offsite disposal, restoration, site operations, etc.).
- Safety discussions including copies of all results of any personnel and/or ambient air monitoring along with instrument calibration records.
- Any other unique or special tasks performed, or situations documented, e.g. Final Status Survey results.
- Photographs of the fieldwork from site setup through demobilization and the overall site before and after this Contractor's work.
- Summary of quantities of waste that were removed and disposed.
- Summary of final disposition for offsite disposal of all waste streams including names, locations, and contacts for TSD facilities and transporters.
- The Final Status Survey Reports for the building structure and the outside property.

The preparation of this report will begin shortly after final demobilization from the site. Final completion of the report will depend on receipt of the laboratory analytical data.

### **3.0 Project Staffing and Management**

Project management is generally defined as the planning, control, and direction exercised to ensure that a project conforms to its defined scope of work and specifications and that the associated project plans and scope are amended in a timely manner to reflect changes in circumstances. The goals of project management are to produce quality work, which meets all the contract requirements, and to complete projects within budget and on schedule in order to achieve client satisfaction.

Amentum's project management system (PMS) is designed to provide our managers with the information and necessary controls to accomplish all elements of project management in accordance with the project requirements. Project planning, cost control, quality, and execution are the main components of Amentum's PMS.

#### **3.1 Project Organization**

As the prime contractor, Amentum will be responsible for ensuring that sufficient supervision, equipment, labor, and materials, including health and safety, radiological controls, and CQC provisions, are supplied and implemented to meet all project objectives associated with this response action.

The project organization chart presented in **Figure 3-1** provides a management staff to support the tasks defined in this Work Plan. Amentum will provide:

- Personnel trained for hazardous waste and radiological site work;
- Management of subcontractors, controlling quality, schedule, and cost with a commitment to utilizing Socially and Economically Restricted Business (SERB) contractors;
- Responsible personnel to provide integration and management of the site sampling and analytical data;
- Qualified field analytical personnel and equipment to perform field screening as required by the Work Plan;
- The development, coordination, and implementation of the Site-Specific Health and Safety Plan, and
- The development, coordination, and implementation of the site-specific Radiological Plan / Procedures.



### **3.2 Project Personnel**

The Program Manager for Amentum's PADEP Interim Response Contract is Mr. Brian Radus who will ensure that all contractual obligations are met. He will also oversee all reporting, scheduling, and budgetary obligations and ensure that these items are met and conform to the Department's standardized policies and procedures. Mr. Radus is assigned to Amentum's Pittsburgh, Pennsylvania office.

Mr. Brian Radus will serve as the Project Manager (PM) and will manage all technical and field activities. Mr. Radus will review all submittals to the Department, prepare weekly reports, and monitor the budget and schedule.

Mr. Mike McCarthy will serve as the Site Supervisor (SS) overseeing all on-site activities and will be responsible for maintaining contact with the on-site Department representative. Mr. McCarthy will prepare the daily activity reports and other documentation, and maintain close contact with the PM. Mr. McCarthy is assigned to the Amentum Pittsburgh office.

Mr. McCarthy will also serve as the Site Health and Safety Officer (SHSO). He will be responsible for executing the Site-Specific Health and Safety Plan (SSHSP). He will conduct site-specific training and tailgate safety meetings.

The Administrative Assistant, Ms. Renee Hindley, will support Amentum's management staff throughout the project. Ms. Hindley will be responsible for the procurement, subcontract preparation, invoice documentation, approval of vendor invoices, periodic reporting, and all other associated project paperwork. Ms. Hindley is assigned to the Amentum Pittsburgh office.

Amentum maintains a staff of heavy equipment operators and field technicians based out of our Pittsburgh office, each with OSHA 1910.120 training and documented participation in a medical monitoring program that includes annual screenings for drugs and alcohol. Over 75 percent of the hourly field staff have Red Cross first aid and CPR training. All personnel have worked numerous hazardous waste projects in Level B, C, and D protection and have RadWorker I Safety training certifications. This project will be staffed by our Pittsburgh Pennsylvania workforce, based on availability. Personnel not listed herein will be provided immediately upon assignment.

Permi-Fix was procured and approved to provide radiation surveys and radiological safety support. The firm will supply radiological instrumentation and will perform surveys in support of the demolition process as well as the final status surveys.

## 4.0 Project Schedule

### 4.1 Proposed Project Schedule

Amentum has developed a detailed project-specific schedule that reflects six (6) major tasks. The six tasks include Project Planning, Project Management, Radiation Survey/Waste Inventory, Waste Collection and Staging, Waste Transportation and Disposal, and End-of-Project Report. This schedule is based upon Amentum's understanding of the project scope, information derived during various meetings, and the required work sequence. Also included is an approach that Amentum believes will most effectively achieve the project goals within the shortest amount of time.

A bar chart has been used to present the project schedule and is included as **Figure 4-1**. This schedule assumes a start date of August 12, 2025, for the pre-mobilization activities and January 12, 2026, to mobilize for Task 3018 field activities. The schedule currently reflects a project completion date of June, 2026, which includes the submittal of the end of project documentation. The field activity portion of the schedule is estimated to take place over a 7-week period and is based upon working 4 days per week and 10 hours per day.

The specific schedule format is a bar chart that shows the early start, early finish, and tasks, which will be accomplished sequentially or concurrently. Amentum has calculated approximately 9 months as the entire duration for the project activities from the Work Plan preparation through the completion of the End of Project Report, based upon early finish dates.

### 4.2 Schedule Updating

Amentum has provided allowances in our administrative task for regular cost and schedule updates as well as monitoring the cost expended versus schedule progress throughout the project. At a minimum, the schedule will be updated on a monthly basis and then reviewed by Amentum's Project Manager. An updated copy will then be included with each Project Status Report (PSR). Progress to date will be input based upon actual field progress. Special attention will be given to those activities that are considered to be on the critical path. These regular updates will allow management to adjust resources and production as necessary to ensure the proposed schedule will be maintained throughout the project.

**Figure 4-1: Project Schedule**

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## **5.0 Cost Estimate**

Implementation of the additional work required at the Site is being performed on a time-and-materials basis; therefore, Amentum has included a detailed budget estimate for each work task and a Cost Summary.

Amentum has prepared this cost estimate based upon each professional worker's individual pay rate and the appropriate prevailing wage rates calculation for each classification of hourly employees proposed. Employees listed may change depending upon availability. Rates utilized for equipment shown under Amentum owned equipment were derived from the core and/or additional equipment rate tables included as attachments to the IRRSC contract. All other equipment, material, and subcontracted services pricing are based on preliminary price quotes and Amentum's experience pricing similar projects. The estimate is for budgetary purposes only and may be subject to change based on final vendor quotations, a variation in the actual material quantities, weather delays, and other unforeseen conditions and/or scope changes.

Appendix A  
PADEP Scope of Work

Appendix B  
Project Forms

Appendix C  
Health Safety and Environment Plan