ABOVE GROUND STORAGE TANK (AST) REMOVAL PLAN

FOR THE

REMEDIAL ACTION ACTIVITIES

FORMER CAMP HERO

MONTAUK, NEW YORK

April 2021

Prepared for:
US Army Corps of Engineers
New England District
Concord, Massachusetts

Prepared by:
Renova Environmental Services LLC
Contract No.: W912WJ20C0008

RENOVA
environmental services

NOTICE

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CERTIFICATION:

I hereby certify that the enclosed Report, shown and marked in this submittal, is that proposed to be incorporated with Contract Number W912WJ20C0008. This Document has been prepared in accordance with USACE Scope of Work and is hereby submitted for Government Approval.

Reviewed By:

Thomas Bykow 04/15/2021

Thomas Bykow Renova Project Manager **Date**

Mikhail Gutchigian 04/15/2021

Mikhail Gutchigian Renova Quality Control Manager **Date**

Received By:

Julie Rupp USACE Project Manager **Date**

TABLE OF CONTENTS

List of Figures

List of Appendices

ABBREVIATIONS, ACRONYMS, AND SYMBOLS

APP	Accident Prevention Plan
AST	Above Ground Storage Tank
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
C&D	Construction and Demolition
CFD	Certificate of Disposal
CFR	Code of Federal Regulations
CO/COR	Contracting Officer/Contracting Officer Representative
DFW	Definable Feature of Work
DOT	United States Department of Transportation
EPA	United States Environmental Protection Agency
EPP	Environmental Protection Plan
eV	Electro Volt
FCH	Former Camp Hero
HAZWOPER	Hazardous Waste Operations
ID	Identification
LEL	Lower Explosive Limit
NARA	United States National Archives and Records Administration
NFPA	National Fire Protection Association
NYSDEC	New York State Department of Environmental Conservation
OHS	Oil and Hazardous Substance
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
PM	Project Manager
ppm	Parts Per Million
ppmv	Parts Per Million Per Volume
PPE	Personal Protective Equipment
QA/QC	Quality Assurance and Quality Control
QC	Quality Control
RAWP	Removal Action Work Plan
SSHP	Site Safety and Health Plan
SSHO	Site Safety & Health Officer
SOW	Statement of Work
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TSDF	Treatment, Storage, or Disposal Facility
USACE	United States Army Corps of Engineers
VOC	Volatile Organic Compound

1.0 INTRODUCTION

This Above Ground Storage Tank (AST) Removal Plan has been prepared by Renova Environmental Services LLC (Renova) to present a comprehensive overview of known or potential issues that must be addressed during performance of this contract. This document shall outline the details and plans that will be executed in accordance with Federal, State, and Local Environmental Regulations while performing the work specific to Contract No. W912WJ20C0008 for the removal action activities at the Former Camp Hero (FCH) in Montauk, New York. Any significant change(s) to the procedures specified in this plan will require the plan to be modified and approved by the United States Army Corps of Engineers (USACE) Contracting Officer/Contracting Officer Representative (CO/COR) prior to implementing proposed change(s).

In accordance with the Statement of Work (SOW), it is understood that Renova and its contractors will provide the qualified personnel along with equipment and material necessary to perform work safely and in accordance with federal, state, and local environmental laws and regulations. Renova through this document has outlined the organizational structure along with our plans to perform the AST removal operations, including our overall approach as well as contingency means and methods to respond to unanticipated events.

2.0 ORGANIZATION

All employees of Renova and subcontractors who are assigned to this project are subject to the requirements and procedures specified in this plan as well as the contract specifications. All Renova personnel and key subcontractor personnel will be required to read this plan and any referenced documents to gain general awareness of the environmental requirements associated with this project. The following organizational chart (Figure 1) outlines each person's role within the project including adherence to the AST Removal Plan, description of Renova's Training program, as well the USACE's role in the project for ensuring adherence to this plan. Note that this organization structure pertains to the AST removal aspects of the project. Site Specific Environmental and Health and Safety aspects are addressed in the Environmental Protection Plan (EPP) and the Accident Prevention Plan/Site Safety and Health Plan (APP/SSHP), respectively, in which both documents are being submitted as a separate submittal.

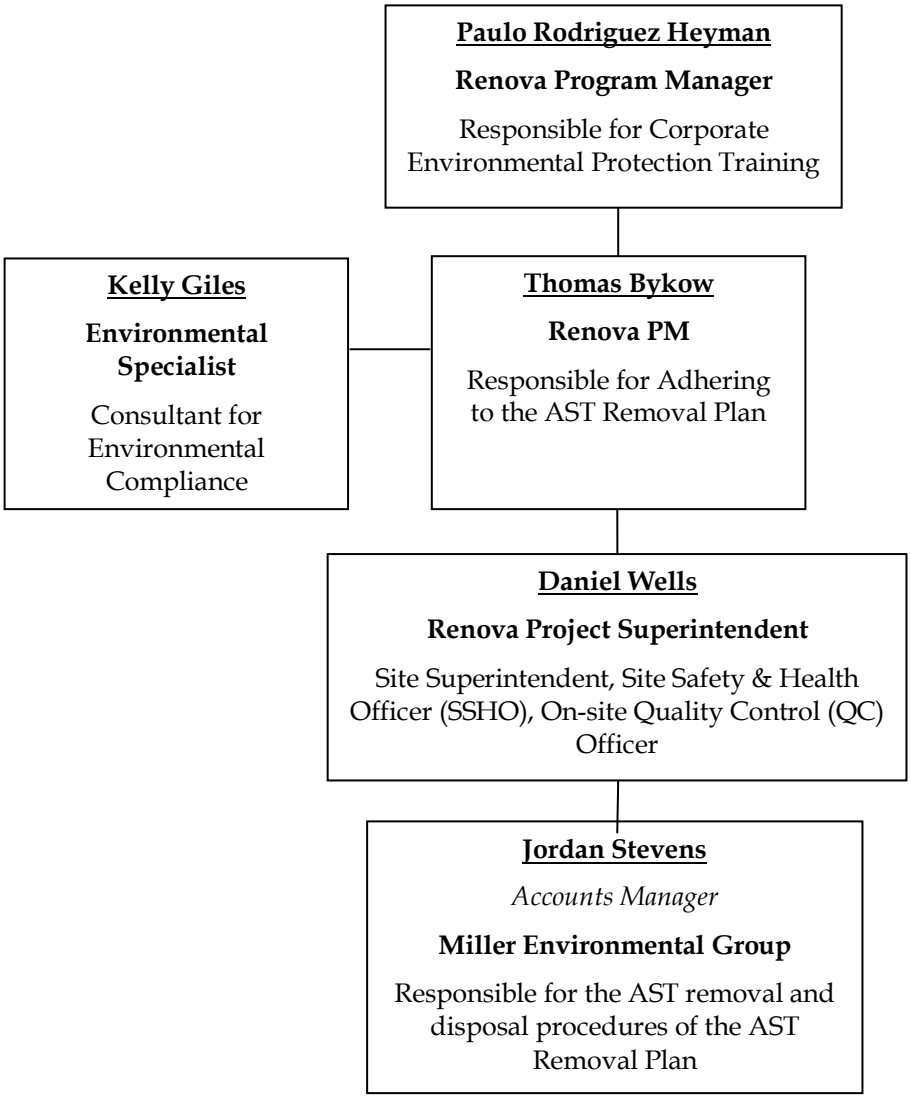


Figure 1: Organization Chart

Program Manager

The Program Manager is responsible for selection of competent and trained project personnel, review of project documents and deliverable to verify adherence with the AST Removal Plan. Mr. Paulo Heyman will assist the Renova Project Manager with the AST Removal Plan compliance and corporate training procedures to ensure compliance with all federal, state, and local environmental regulations. Mr. Heyman will be responsible for communicating with both the Project Manager and Project Superintendent to assure that the Renova personnel,

subcontractors, and USACE personnel are protected from environmental hazards associated with the project.

Project Manager (PM)
The PM has responsibility and authority to direct all work operations. The PM is responsible for day-to-day management and coordination of the project scope, subcontractors, field personnel schedule, and budget. Mr. Thomas Bykow will be responsible for overall adherence to the AST Removal Plan, as well as review of Hazardous Waste Manifests. Mr. Bykow will work directly with the USACE CO/COR and the USACE PM to ensure adherence with all local, state, and federal regulations with regards to environmental hazards and waste disposal.

Environmental Specialist
The Environmental Specialist has responsibility to provide environmental guidance regarding state and federal regulations and how they apply to the project and specifications. Ms. Kelly Giles will coordinate directly with the PM and Project Superintendent to provide guidance on the AST removal efforts as well as assist with the review and preparation of Hazardous Waste Manifests.

Project Superintendent
The Project Superintendent is responsible for field operations and daily adherence to this plan and communicating problems and anticipating hazards to the PM and USACE Quality Assurance and Quality Control (QA/QC) field representative. Mr. Daniel Wells will ensure the implementation of the AST Removal Plan requirements and procedures in the field. Mr. Wells specific responsibilities include:

- Executing the work plan and schedule as detailed by the PM; coordination with the subcontractors and ensuring site work compliance with the requirements of this plan; and;
- Mr. Wells is also responsible for controlling the work zone to limit exposure of personnel to environmental hazards, establishing decontamination procedures within and outside the work zone, and providing for collection, storage and documentation of waste generated during the project.

3.0 PROJECT ENVIRONMENTAL HAZARDS

Renova has organized this plan to identify known or suspected environmental hazards, and as such identified those hazards that may be encountered during each phase of the project's Definable Features of Work (DFWs) that pertain to AST removal. This will allow each environmental hazard to be identified and discussed with health and safety concerns during the Preparatory Phase, Initial Phase and Follow-Up Phases of construction. The following sections outline the primary environmental hazards that are anticipated during the project phase.

3.1 Mobilization and Site Preparation

This DFW includes mobilization of equipment, labor, and materials to the site, installation of temporary construction fencing, sediment control barrier, and field office within work areas shown on **Appendix 1**, Site Location Maps.

3.2 Site Inspection and Structural Evaluation

This DFW includes preliminary site inspection to make visual observations for removal action work plan preparation, to collect information for evaluation of the buildings by a structural engineer, and to collect preliminary waste characterization samples. The objective of this task is to identify structural concerns that could impact the safety of conducting removal actions in the buildings, and proposed actions that are required to make it safe for access and to perform the removal actions as outlined further in this and accompanying documents.

The associated hazards with the DFW include, but are not limited to, overhead hazards, nails/foreign objects on ground, poor visibility, dust, ultraviolet radiation, poisonous plants, heat stress, eye injury, ingestion hazard, insects and wildlife, hand tools, foot injury, absorption hazards, slips/trips/falls, vehicle usage, inclement weather, sharp objects, contact hazards, confined spaces, and uneven terrain.

3.3 Waste Characterization Sampling

Sampling and analysis to the extent required by the approved offsite permitted treatment, storage or disposal facility (TSDF) receiving the material will be conducted by Renova, in which all regulatory requirements, including the preparation of hazardous materials and waste for transportation, will be met. Renova will characterize tank product, pumpable liquids, and sludge in accordance with 40 Code of Federal Regulations (CFR) 261 and 40 CFR 279; characterize the contents to determine the type of required disposal: as a hazardous or special waste based on local, state, and Federal disposal regulations; submit the waste contents determination and accompanying test results for each phase present in the tank to the USACE CO/COR and PM; and fulfill any additional requirements identified by the TSDF. The tank contents will not to be removed from FCH until approval is given by the USACE CO/COR or PM.

Renova will collect the following samples for preliminary waste characterization and removal action strategy, which pertain to the ASTs in Battery 113:

Building	Component	Sample Type	Total Number of Samples	Analyses*
Battery 113	ASTs	Petroleum-water mix and sludge	4 (1 petroleum and 1 sludge sample per tank)	Total Petroleum Hydrocarbons (TPH); Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), Oil and Grease, Lead,

				Ignitability, Toxicity Characteristic Leaching Procedure (TCLP)
Battery 113	Wall stains associated with ASTs	Wipe	3	TPH, BTEX, Oil and Grease, Lead, Ignitability, TCLP
Battery 113	Floor stains associated with the ASTs	Concrete chip	3	TCLP and TPH
		Total	**10**	

*Individual landfills and waste TSDFs often have additional analytical characterization requirements, in which Renova will fulfill.
**The complete list of the project's waste characterization samples are provided in the EPP and the FCH Removal Action Work Plan (RAWP).

The samples will be submitted for a standard five (5)-Day turnaround time. Renova will prepare a summary (tables and a memorandum) of the waste characterization and disposal plans to the USACE within 30 days of the sample collection and include the disposal information within the FCH RAWP.

The associated hazards with AST removal include, but are not limited to, exposure to contaminants associated with the ASTs (which pertain to inhalation, contact, absorption, ingestion, and eye hazards); confined spaces; slips/trips/falls; excessive weight/lifting hazards; lack of ventilation; heat stress; uneven terrain; dust; electrical tools; poor visibility; fire, explosive, flammable, reactive, and/or corrosive hazards; wildlife; squatting/bending; overhead hazards; nails/foreign objects on ground; foot injuries; material handling; sharp objects; energized equipment hazards; and fatigue.

3.4 Battery 113 AST Removal Actions

This DFW will include the decommissioning, removal, and obtainment of regulatory closure for two interior, wall-mounted ASTs, each with approximately 250-gallon capacity. The AST-associated piping/appurtenances will be decommissioned, cut, and capped. Based on prior observations during the site's remedial investigation, the ASTs are believed to contain a mix of weathered diesel and water. During a 2017 inspection, the ASTs were noted as being 75% full. The subsequent paragraphs describe the process for how the ASTs will be removed. If a floor drain is observed within the work area vicinity, then Renova will cover the floor drain or protect the floor drain from any potential contaminated seepage.

First, Renova will inert the ASTs, in which they will be purged of all interior vapors using an intrinsically safe blower and extension hoses. The tanks' interior (top and bottom) will be continually monitored for carbon monoxide, hydrogen sulfide, oxygen, and lower explosive limit (LEL), using a properly calibrated RAE Systems MultiRAE 5-Gas Monitor.

Once the interior atmosphere has been cleared, a hole will be cut in the tanks. Any sludge or contents remaining will be removed from the ASTs and be containerized into properly labeled 55-gallon steel drums. The drums will be labeled, transported to the entrance, and moved to the secure drum laydown for subsequent disposal.

Due to the overhead nature of the installation of the ASTs, Renova will secure a chain hoist to the wall and fasten it to an AST using nylon straps. Once the chain hoist is secure to the wall and the AST, Renova will begin to remove the AST from the wall brackets using hand and power tools. Once the AST is free from the brackets, it will be lowered to the floor, placed on dollies, and removed from the room. Renova will repeat this process for the second AST.

Renova assumes that the ASTs can fit through the doorway from the room to the tunnel and can be moved out of the bunker for disassembly. If this is not the case, Renova will cut the tanks in the room and remove it in pieces. The tank pieces will be brought outside of the bunker, cleaned.

The interior of the ASTs will be wiped clean using oil-absorbent pads. All pads and oil-soaked and any personal protective equipment (PPE) will be collected in the 55-gallon drum for eventual disposal. The ASTs will be placed into a roll-off container for disposal/recycling. With the tanks removed, Renova will begin to remove the existing brackets and ancillary piping to its greatest and practical extent. Caps will be applied to the point of entry into the casemate walls.

The ASTs and their piping will be transported by Renova's subcontractor (Miller Environmental Group) for recycling as scrap metal. A receipt will be generated at the recycling facility. The ASTs' contents—which includes sludge and contaminated waste—will also be transported by Miller Environmental Group for disposal. A bill of lading will be prepared by Renova for disposal of the ASTs' contents.

3.5 Project Close-Out

This DFW will include project cleanup and submittals as required in the contract documents. The project premises, including the structure, floors, walls, etc., will be cleaned in accordance with contract documents. All waste and surplus materials, rubbish and construction-related facilities will be removed from the site.

Renova will request an initial (preliminary) and, as needed, final inspection of the DFWs which, upon completion, will be considered final acceptance of work performed under this contract.

Renova will prepare individual closure documentation reports in full compliance with the submission requirements (e.g., ASTs) and include as an appendix to the Removal Action Completion Report.

The report will include, but not limited to, the following items:

- Summary of removal activities and description of regulatory closure actions by building and media
- Assessment of impacts to the environment
- Advisement on whether additional limited investigation or removal is warranted
- Documentation of structural competence of buildings post-removal, especially within the work areas
- Photo Log
- Inventory of Items and Media Removed (e.g., gallons of fluids, number of containers)
- Original Manifests/Bills of Lading
- Correspondence with Regulators

The Closure Report information for the ASTs will include the following (as applicable):

- Description of Work, including removal procedures, number of tanks, site map showing location of tank and piping, and location of disposal sites
- Site plan, including location of tanks, transformers, transformer components, and piping
- Laboratory and field testing reports, copies of data and test results from testing laboratory and the chain-of-custody records
- Tank disposal paperwork and method of conditioning tanks and transformers for disposal, and contaminated water disposal paperwork (include laboratory testing reports)
- Certifications required by implementing agency
- Building permit, inspection permits, and other permits required for aboveground tank removal, notifications, and inspection reports

Each Tank Closure Report will include the following information as a minimum:

- A cover letter signed by a responsible company official or Professional Engineer registered in the State of New York certifying that all services involved have been performed in accordance with the terms and conditions of this contract and applicable regulations
- A narrative report describing what was encountered, including:
    - Condition of the AST, transformer or transformer components
    - Any visible evidence of leaks or stained surfaces
    - Results of vapor monitoring readings
    - Actions taken including quantities of materials treated or removed
    - Reasons for selecting sample locations (if applicable, e.g., wipe samples)
    - Sample locations
    - Collection data such as time of collection and method of preservation
- Copies of all analyses performed for disposal
- Copies of all waste analyses or waste profile sheets
- Copies of all certifications of final disposal signed by the responsible disposal installation official
- Information on who sampled, analyzed, transported, and accepted all wastes encountered, including copies of manifests, waste profile sheets, land disposal

restriction, notification and certification forms, certificates of disposal, and other pertinent documentation

- Copies of all analyses performed, with copies of chain-of-custody for each sample. Analyses shall give the identification number of the sample used. Sample identification numbers shall correspond to those provided on the one-line drawings
- Scaled one-line drawings showing tank locations, limits of contamination, sample locations, and sample identification numbers
- Progress Photographs--A minimum of 4 views of the site will be provided showing such things as the location of each tank, and any other notable site condition before work begins. After work has been started at the site, photographically record activities at each work location daily. Photographs will be at least 3.5 x 5 inches and shall include:
    - General setting
    - Unanticipated events such as discovery of additional contaminated areas (walls, flooring, etc.)
    - Tank
    - Site or task-specific employee respiratory and personal protection
    - Post-construction photographs. After completion of work at each site, a minimum of four (4) views of the site will be obtained. A photo log will be prepared that shall illustrate the condition and location of work and the state of progress. Each color print will show an information box that includes the following items:
        - Project No. Contract No.
        - Location
        - Contractor/Photographer
        - Photograph No. Date/Time
        - Description
        - Direction of View

4.0 TRAINING

4.1 General Environmental Awareness

All of the key Renova project personnel, as well as selected subcontractors including Miller Environmental Group personnel, are trained professionals with numerous years of experience and the ability to identify and characterize environmental waste at Hazardous Waste Disposal sites. Each employee will be required to review and understand this plan to become familiar with the environmental hazards associated with the AST removal efforts.

4.2 Hazard Communication Training

Per Occupational Safety and Health Administration (OSHA) regulations, personnel working with hazardous materials must complete hazard communication training. Project personnel involved with handling or exposure to hazardous materials will receive this training prior to being assigned to work with (or in the proximity of) any hazardous materials. The majority of the backflow prevention assembly and enclosure structure installation will not require OSHA 40-hour Hazardous Waste Operations (HAZWOPER) training, however, the Renova SSHO and

Project Superintendent will have OSHA HAZWOPER training. The HAZWOPER certifications for all Renova personnel are provided in Appendix B.

4.3 Hazardous and Regulated Waste

All Renova employees must be thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities. The Project Superintendent will be responsible for identifying, documenting, and reporting all waste generated during the project.

4.4 United States Department of Transportation (DOT) Training

It is federal law that every person performing a DOT function must be properly trained. DOT training requirements apply to any person who selects packaging; prepares hazardous materials or waste for transportation; is responsible for the safety of the transportation of hazardous materials or waste; loads, unloads or handles hazardous materials or waste; tests, reconditions, repairs, modifies, marks, or otherwise presents containers as qualified for use in transporting hazardous materials or waste; or operates a vehicle used to transport hazardous materials or waste (49 CFR 172.702). All personnel performing a DOT function will be properly trained. DOT Certification is provided in Appendix C and will be maintained at the project site.

4.5 Recordkeeping

The training plan and records of employee training shall be readily available with this AST Removal Plan and made available at the project site.

5.0 SPILL PREVENTION & RESPONSE

Care will be exercised at all times to prevent Oil and Hazardous Substance (OHS) from entering the ground, drainage areas, or local bodies of water.

The following OHS procedures shall be followed to minimize the impact of a spill event to the environment during transfer and handling operations. Protect storm drains and manholes, if present, in the work area with rubber mats prior to OHS transfer to prevent a spill from flowing into the drain. Both the inside and outside work areas will be inspected daily for debris and potential water pollutants. If the work area is found to have a potential for water pollution through surface water runoff to the storm drain system or through other migration pathways, the affected area will be cleaned up, then re-inspected to ensure that pollutants will not discharge to nearby surface water bodies and the environment.

Removal equipment will be operated so as to prevent any spillage of oil or fuels into the environment. Drip pans shall be placed under all equipment that would have any possible leak source. All valves, connections, hoses, pipes, and waste chutes shall be inspected regularly for leaks. Any of these that are found to be leaking shall immediately have a temporary drip pan put under the leak (or other containment method installed) until the component can be isolated, repaired, or replaced. Any leaked material shall be cleaned up immediately in accordance with the spill response measures, based on the size of the leak and type of materials that have leaked. Temporary drip pans, with absorbent pads, shall be placed under fueling points at time of fueling operations and any spills will be contained within the pan. Equipment and materials stored on the ground that could become pollutants if they become airborne or are inadvertently discharged into the water shall be stored on pallets, or otherwise raised from the ground, covered when not in use, and protected from inadvertent mechanical damage from vehicles or handling equipment. Renova will maintain a Spill Prevention and Cleanup kit onsite at all times.

In the event unidentified buried items are encountered during excavation activities, spill response will be initiated in accordance with the Site-Specific Health and Safety Plan developed for the site. The initial response to any spill or discharge will be to protect human health and safety, and then the environment. If the spill is large (greater than 10 gallons) and involves a tank rupture, an initial isolation of at least 100 feet in all directions, if feasible, will be created to reduce exposure. Small spills (less than or equal to 10 gallons) or leaks from a tank will be immediately cleaned up with Speedi-Dri absorbents.

5.1 Specific Protection Measures

OHS shall be placed in approved containers. Containers must be inspected to ensure integrity prior to the transfer of material and periodically when used for storage of OHS. All containers shall be properly secured (i.e., drum covers on) when not in use. All containers shall be stored in approved lockers and/or facilities (i.e., National Fire Protection Association [NFPA] flammable) which are maintained in a clean and orderly manner. All containers shall be secured or emptied prior to transportation, as well as protected during transportation.

Tanks and drums receiving OHS from transfer systems which are not equipped with overfill protection equipment shall be monitored to prevent overflow. The receiving container shall be located in an impervious secondary containment. A minimum of three inches of head space or three percent of the container's capacity (whichever is greater) shall be left empty at the top of the tank or drum to allow for product expansion. Equipment and support components shall be wrapped or contained as necessary to prevent leakage and damage. The fill pipe or hose shall have a shut-off valve on the discharge end. Equipment and transfer connections shall be monitored by personnel stationed at appropriate locations to minimize the potential of a release of the OHS being transferred.

Where the fill pipe is either located out of the direct line of sight of the receiving unit, not easily accessible, or under poorly lit conditions, a buddy system shall be used. One person shall monitor the receiving unit while another individual(s) shall monitor the discharge unit and fill pipe/hose. Two-way communication shall exist throughout the transfer operation.

When transporting containers into or out of confined and/or restricted areas, an individual shall be used to direct the movement of the transport vehicle to prevent hitting any obstacles. All equipment (i.e., valves, fill lines, etc.) exposed to potential mechanical damage shall be protected to minimize the potential of a spill event.

Additional preventative measures required to minimize the potential of a spill event shall be implemented. This may involve personnel briefings on job requirements, use of oil boom containments, staging of spill kits, established preventative and maintenance schedule of OHS transfer and storage systems and equipment, etc. No OHS will be disposed into the sanitary sewer, storm drainage system, or trash container/dumpster without approval of the Contracting Officer.

All OHS storage areas (storage is considered "maintained on site for greater than 72 hours") whose total quantity exceeds 110 gallons in capacity, shall be equipped, fitted with, or located in an impermeable secondary containment with sufficient capacity to contain 110 percent of the total volume of all containers or the volume of the largest container stored in the area, whichever is greater. Portable tanks are classified as containers. Hazardous and regulated waste containers may have more stringent requirements.

A spill response kit will be placed in the immediate vicinity of process equipment and at or near transfer and handling work sites. The kit will contain the following items:

- Absorbent material for liquids.
- Absorbent pads.
- Personal Protective Equipment.
- One roll of twelve mil or two rolls of 6 mil poly sheeting.
- Sand-filled tubes to weigh down poly tarps.
- Empty containers, broom, dust pan, and a shovel for clean-up of wet absorbent.

5.2 Spill Response Procedures

5.2.1 Spill Event

A spill is any unpermitted or uncontrolled release of oil or hazardous substance to the water or ground. This includes any spilling, leaking, pumping, emitting, discharging, injecting, escaping, leaching, disposing, or dumping of liquid or solid material not authorized in writing by the CO/COR or not otherwise addressed in the project plans or submittals. In the event of any spill, Renova will immediately notify the USACE PM, the USACE Engineer, and the FCH Site Contact/Park Manager, in which their contact numbers are below:

Name/Title	Phone Number
Julie Rupp, USACE PM	(978) 399-6018
Shewen Bian, USACE Engineer	(646) 942-4532
Tom Dess, FCH Site Contact/Park Manager	(631) 740-6255

Emergency and nonemergency spills are defined as follows:

5.2.2 Emergency Spill Event

1. Is an immediate threat to human health or the environment, or
2. Is a material not known to the person discovering the spill, or
3. Has the immediate potential to enter or has entered a drain or waterway, or migrate off government property, or
4. Requires assistance from the Government for cleanup, or
5. Is more than 5 gallons.

5.2.3 Nonemergency Spill Event

1. Is not an immediate threat to human health or the environment, &
2. Is a material known to the person discovering the spill, &
3. Has not entered, and does not have immediate potential of entering a waterway or waterway inlet (e.g. storm drain, sanitary sewer manhole, etc.) and remains on government property, &
4. Can be cleaned up safely by contractor personnel without assistance from the local fire department and/or CHEMTREC, &
5. Is 5 gallons or less on an impervious surface and is controlled/cleaned up within 2 hours.

5.2.4 Emergency Spill Procedures – Temporary Environmental Controls Specification 01 57 19, Section 3.7.4 (Page46)

Immediately notify the Montauk Fire Department, USACE (contacts noted above), the New York State Department of Environmental Conservation (NYSDEC within 2 hours), and the FCH Site Contact/Park Manager (noted above). Isolate the spill area until arrival of clean-up crew and stay upwind. If the properties of the spilled material are known, maintain a safe distance, try to stop the spill or contain it to prevent it from going into drains or waterways. Attempt initial

spill containment only if it can be done without endangering the safety or health of yourself or others. Immediately notify the PM and the CO/COR following detection of an Emergency Spill. The local fire department and/or CHEMTREC will respond to all emergency spills. Contractor's personnel shall assist the local fire department and/or CHEMTREC clean-up crew as required. Safety Data Sheets, Waste Profile Sheets, or other technical data on the material spilled, will be provided to the emergency response personnel. Renova will cooperate with the local fire department and/or CHEMTREC personnel in the preparation of the Spill Reports as requested. The local fire department and/or CHEMTREC shall be reimbursed for spill clean-up and/or disposal services. Renova has selected the following spill contractor for 24-hour emergency response in the event of an emergency spill.

- Emergency Spill Contractor & Telephone Numbers

  CHEMTREC
  1-800-424-930
  1-800-262-8200 (Alternate Number)
  2900 Fairview Park Drive
  Falls Church, Virginia 22042

  NYSDEC's Hotline
  1-518-457-7362

5.2.5 Nonemergency Spill Procedures

Stop the source of the spill. Contain the spilled material and keep the spill away from drains or waterways. Block off drains located near the spill if there is a chance that the spill will reach them. Clean up the spilled material wearing the proper personal protective equipment. Dispose of the debris per the Solid Waste and Hazardous Waste Management sections (Sections 8 and 9). Process specific spill response includes the following action:

- For petroleum spills: Shut off ignition sources, no flares, smoking, or flames in hazard area. Stop leak if you can do it without risk. Temporary dikes of absorbent booms will be installed around spill areas to prevent any type of spills from entering local bodies of water. Where practicable spread Speedi-Dri absorbent.
- For spills of dry, contaminated solid material, the immediate area would be cordoned off, and depending on the spill, it can be cleaned up using a broom and dust pan and placed in an appropriate DOT approved drum/container and sealed.

6.0 WASTE DESIGNATION

6.1 Waste Identification

Renova and/or its subcontractors are responsible to identify all wastes to the government by submittal of the appropriate Form 4025 including the required Waste Profile information and selected disposal facility. Anything not incorporated into the project and not reusable at the work site will be considered a waste. Wastes anticipated to be generated for this task include:

- Two (2) 250-Gallon ASTs, their associated piping/appurtenances, and contents (weathered diesel and water)

6.2 Designation, Sampling, and Analysis

A Form 4025 will be submitted and include the Waste Profile Sheet along with analytical data to support characterization of the waste stream**.** These will be submitted as soon as the waste stream is anticipated so that waste can be pre-designated as much as possible prior to waste generation. Waste samples to characterize other waste materials or hazardous waste will be submitted to the following laboratory:

- Integrated Analytical Labs
  273 Franklin Road
  Randolph, New Jersey 07869

The analytical results and Form 4025 will be provided to the CO/COR for review. Renova, with input from the CO/COR, will designate the waste stream. Not all of the waste streams identified above are anticipated to designate as hazardous or regulated waste.

6.3 Collection and Management of Waste Awaiting Profiling

Waste generated during the project that has not previously been classified or requires additional disposal profiling will be stored in the designated location by Renova and/or its subcontractors for no more than 90-days. Minimum storage requirements for bulk piles will include polyethylene sheeting underneath and over the bulk pile, with berms located underneath and surrounding the pile to prevent water infiltration or runoff. Waste stored in DOT-approved drums will be stockpiled in a secure location on hardened surface with appropriate labels. Renova will coordinate all waste storage with USACE staff to ensure waste is being inspected on a daily basis and the containers do not incur any damage during storage.

6.3.1 Container Use & Management for Waste Awaiting Profiling

Containers will be:

- In good condition and non-leaking.
- Compatible with waste being placed in them.
- Closed at all times, except when waste is being added.
- Labeled with an Identification (ID) label and include: Media Type, Date of generation, Name and telephone contact from Renova.
- Positioned containers so the ID label is visible for inspection.
- Physically segregated from containers of designated hazardous waste.
- Kept in the designated waste storage accumulation area.

6.4 Waste Tracking

All waste will be tracked by Renova with weekly updates provided to the, USACE CO/COR. In addition, solid waste will be tracked as specified in **Section 8** and hazardous and regulated waste will be tracked as specified in **Section 9**.

7.0 RECYCLABLE WASTE

Renova will evaluate each waste stream to see if it meets the recycling criteria. Based on the current scope of work, the minimal amount of the waste materials will likely be recyclable.

For items that designate a solid waste, the solid waste tracking procedures as specified in **Section 8** will be followed. For items that designate as hazardous and regulated waste, the procedures specified in **Section 9** will be followed.

8.0 SOLID WASTE MANAGEMENT

Renova and/or its subcontractors are responsible for the management and removal of solid waste from Government property in compliance with state, local requirements. Renova will coordinate the required analysis for designation with the CO/COR as specified in **Section 6.0**.

No waste shall be removed from the facility without approval of the CO/COR. The solid waste collection area, and the area surrounding it, will be kept clean and free of debris. Solid waste will be removed from the site at least monthly or upon project completion.

Renova will track each shipment of solid waste that is not designated as hazardous on the daily QA/QC forms. The QA/QC documents shall be furnished in the Final Report. It is understood that the contract will not be deemed complete until this Final Report has been submitted in Draft Final Form to the Government.

It is understood that the transporter(s) and facility(ies) shall also be approved by the Government prior to the waste leaving the project site. Renova understands its responsibility to ensure no disposal action is taken that can be construed as illegal dumping.

8.1 Common Trash Disposal

Common trash/rubbish shall be placed in Government-approved containers, which shall be kept closed when waste is not being added and moved to a pick-up point or disposal area, as directed by the CO/COR.

8.2 Petroleum Products

Precautions, as described in the Spill Prevention section of this plan, shall be taken to ensure no petroleum products or waste enters any local bodies of water. Petroleum-contaminated waste is not anticipated.

8.3 Construction & Demolition (C&D) Waste

C&D waste will be limited to piping and miscellaneous C&D waste which will transported by and transported to the following facility using either roll-off containers or trailers.

Facility Name: East Hampton Recycling Center
Address: 260 Springs Fireplace Road, East Hampton, New York 11937
Telephone No.: (631) 324-7191

9.0 HAZARDOUS WASTE MANAGEMENT

Based on the current scope of work, hazardous waste is expected as two (2) ASTs will be removed. Renova will manage the hazardous waste in accordance with Federal, State, and local regulations with regards to storage and Transportation requirements. Renova will follow the protocols outlined in **Section 9.1**.

9.1 Hazardous or Regulated Waste

The following procedures will be followed for hazardous or regulated waste:

- Notify the USACE CO/COR if considered a threat to human health & environment;
- Evacuate the work area and if necessary adjacent work areas within the Ice Engineering Facility;
- Contact the Renova PM and USACE Construction Representative to determine the appropriate course of action to remediate and/or remove the Hazardous Material.

The waste will remain in its as discovered location until identified and classified. Following classification, the waste will be removed and stored in a designated location within Renova's work area pending disposal with labeling conducted per **Section 9.2**.

9.2 Waste Containerization and Labeling

Container labeling will be specified on the completed Waste Profile and manifest. In summary all designated hazardous or regulated waste will have the following labels applied to the containers:

- ID Label
- Hazardous Waste Label
- DOT Labels (as specified on the Waste Information Sheet)
- Other labels that may be required:
    - Sampling Identification Label, (applied to sample)
    - Sampled Waste Container Label
    - Other labels to meet state requirements (will be specified on the Waste Information Sheet)

9.3 Waste Segregation

Each waste stream generated during the project will be segregated to the extent possible. The waste streams include C&D debris, hazardous waste, and Recyclable waste. All containers of undesignated or dangerous waste will be held in a Government approved accumulation area as described later in this section.

9.4 Waste Accumulation

The on-site accumulation of hazardous and regulated waste must comply with the contract specifications and the designated storage locations identified by USACE and further discussed during the project Kick-Off meeting. The USACE CO/COR will be notified of during weekly Status Reports of waste volumes stored onsite. Renova does not foresee waste accumulation as part of this project; however, should a waste accumulation area be required, the following applies to the designated storage locations:

- All wastes will be transported off-site within 90 days of the accumulation start date;
- All container requirements specified in this plan will be followed;
- A spill kit will be maintained in this area;
- A fire extinguisher, two-way communication device, and alarm will be supplied;
- Containers will be managed as specified in this plan;
- Secondary containment will be provided at the accumulation area for all waste;
- "HAZARDOUS WASTE ACCUMULATION AREA" and "DANGER - UNAUTHORIZED PERSONNEL KEEP OUT" signs will be posted at the entrance to the designated accumulation area and must be legible from a distance of 25 feet or more.
- "NO SMOKING OR OPEN FLAME" signs will be posted on all sides of the designated accumulation area and will be legible from 50 feet or to the extent possible.
- Inspections of the accumulation area will be conducted weekly by the Project Superintendent and documented on Daily QA/QC reports. The Project Superintendent shall maintain a logbook of the inspections. The date, time, findings, actions taken, and signature of the inspector will be included. The log will be submitted to the CO/COR in the weekly Status Reports.
- Prior to closure of the accumulation area, all containers, liners, bases (e.g., concrete slab or paving), and soil (as applicable) must be decontaminated or removed and approved by the USACE CO/COR.

9.5 Waste Transport (Procedures for Profiling, Manifesting, Shipping & Disposal

9.5.1 Profile Preparation and Approval

Renova and/or its subcontractors will arrange the profile for each designated hazardous waste with the approved TSDF. The profile will be provided to the CO/COR for approval in the form of a Form 4025. The CO/COR will review and co-sign the profile with the TSDF when all parties are satisfied along with the Form 4025.

9.5.2 DOT Requirements

All DOT-related functions must be performed by DOT-trained personnel. Training is described in **section 4.0** in this plan. Hazardous material/waste must be properly classed, described, packaged, marked, labeled, and in condition for shipment as required by 49 CFR Part 171.2.

9.5.2.1 Shipping Name

Material that does not exhibit one of the nine DOT hazard class characteristics (i.e., explosive, flammable, poison, combustible, etc.) is not regulated under DOT rules for the transportation of hazardous material. If material is suspected to be hazardous, then it must be shipped under the suspected hazard class.

Each shipment of a suspected hazardous material must be properly classed using the Hazardous Materials Table in 49 CFR 172.101. Marking and labeling requirements are also included in the Hazardous Materials Table.

9.5.2.2 Marking and Labeling

The shipping name, hazard class, identification number, technical names (if applicable), United States Environmental Protection Agency (EPA) markings, waste code numbers, and consignee/consignor designations must be marked on packages for shipment (49 CFR 172.301). Once the waste is characterized, reference should be made to the Hazardous Materials Table in 49 CFR 172.101 to determine the appropriate label.

9.5.2.3 Placarding

The person offering hazardous material for shipment must offer placards (49 CFR 172.506) when placards are required. If a placard is required, it must be affixed on each side and each end of the vehicle. Specific placard descriptions are found starting at 49 CFR 172.521. The transporter will supply placards.

9.5.2.4 Shipping Papers

The hazardous waste manifest will be utilized as the shipping paper for all hazardous waste shipments.

9.5.3 Waste Disposal

Each waste stream will be evaluated by the activity to ensure that it meets the waste acceptance criteria and packaging requirements for the designated disposal facility. The facility must demonstrate a properly designed system and must presently operate (and historically have operated) in a manner that controls the types of materials accepted for disposal. Certificate of disposals (CFDs) will be returned by the landfill and or disposal facility operators verifying that the waste was received and properly disposed. These procedures will apply to hazardous, non-hazardous and recycling facilities.

9.5.3.1 Transporter & TSDF Information

All transporters used to transport hazardous and regulated waste must be approved by the CO/COR. Hazardous and regulated waste will be transported and TSDF information will be provided to the USACE CO/COR upon request.

9.5.4 Certificate of Disposal (CFD)

Within **15 working days** after final disposal of hazardous waste, Renova will ensure a CFD is submitted to the contracting officer. The CFD will include the following:

- Waste profile sheet number
- Manifest number and ship date
- Quantity disposed
- All waste disposed
- Disposal facilities (EPA ID#, name, location, phone).
- Disposal method
- Date of final disposal
- Signature of the person responsible for adequate and appropriate disposition of the waste.

10.0 AIR POLLUTION CONTROL

The following operations/activities may generate or involve the presence of dust, volatile organic compound (VOC) vapors, gases, and carbon monoxide during the AST removal actions for Battery 113:

- Removal of ASTs from Battery 113
- Waste transport activities to and from FCH
- Equipment refueling (Motorized Georgia Buggy) – will be performed in a manner consistent with standard practices;

10.1 Air Monitoring

Due to the lack of ventilation (confined space area) and the presence of contaminants associated with ASTs within Battery 113, air monitoring for VOCs, gases, carbon monoxide, will be conducted during project activities.

10.1.1 VOC Monitoring

Air monitoring for VOCs will be conducted on a continuous basis. Air monitoring will be conducted using a photoionization detector (PID) meter equipped with 10.6 electro volt (eV) bulb. Air screening equipment shall be calibrated, maintained and operated in accordance with the manufacturers' instructions. The PID shall be used to monitor the breathing zone during work periods, and keep a record of *periodic* measurements. Should the breathing zone level exceed 5.0 parts per million per volume (ppmv) sustained for five minutes, Renova shall notify the Renova SSHO and USACE CO/COR, who may elect to conduct further testing. If VOC levels exceed 25 ppmv, Renova will stop work and wait for VOC levels to dissipate. If the VOC concentrations do not dissipate to less than 25 ppmv within 15 minutes, Renova shall maintain

the work stoppage and immediately notify the CO/COR. These provisions are described in the APP/SSHP.

10.1.2 Combustible Gas Monitoring

Air monitoring for combustible gases will be conducted on a continuous basis. Air monitoring will be conducted using the RAE Systems MultiRAE 5-Gas Monitor. Should the breathing zone level exceed 10 percent of the LEL, Renova will stop work, evacuate the work area, and notify the Renova SSHO and USACE CO/COR. Renova will ventilate the work area and the Renova SSHO will evaluate and determine when work can resume. These provisions are described in the APP/SSHP.

10.1.3 Oxygen

Air monitoring for oxygen will be conducted on a continuous basis. Air monitoring will be conducted using the RAE Systems MultiRAE 5-Gas Monitor. Should the breathing zone level decrease to a level below 19.5 percent or increase to a level above 23.5 percent, Renova will stop work, evacuate the work area, and notify the Renova SSHO and USACE CO/COR. Renova will ventilate the work area and the Renova SSHO will evaluate and determine when work can resume. These provisions are described in the APP/SSHP.

10.1.4 Hydrogen Sulfide

Air monitoring for hydrogen sulfide will be conducted on a continuous basis. Air monitoring will be conducted using a PID meter (as described in Section 10.1.1). Should the breathing zone level exceed 10 parts per million (ppm), Renova will stop work, evacuate the work area, and notify the Renova SSHO and USACE CO/COR. Renova will ventilate the work area and the Renova SSHO will evaluate and determine when work can resume. These provisions are described in the APP/SSHP.

10.1.5 Carbon Monoxide

Air monitoring for carbon monoxide will be conducted on a continuous basis. Air monitoring will be conducted using the RAE Systems MultiRAE 5-Gas Monitor. Should the breathing zone level exceed 35 ppm, Renova will stop work, evacuate the work area, and notify the Renova SSHO and USACE CO/COR. Renova will ventilate the work area and the Renova SSHO will evaluate and determine when work can resume. These provisions are described in the APP/SSHP.

10.2 Dust and Debris Monitoring

For the purpose of dust and debris monitoring, visual observations will be made during the removal and transportation activities. If observations are made requiring mitigation, appropriate actions will be employed. Specific actions would include wetting the soil and/or roadways and making sure all waste material/debris are kept within an enclosed container at all times. Work may continue with dust suppression techniques. Work can resume provided

that dust suppression measures and other controls are successful in reducing the downwind level and in preventing visible dust migration.

11.0 SEWAGE AND ODOR CONTROL

Chemical toilets shall be utilized by personnel employed on this project. The toilets will be serviced on a weekly scheduled basis. If required due to site conditions the servicing will take place more often.

12.0 EROSION CONTROL

As all removal activities are anticipated to solely take place within an indoor setting (existing buildings and bunkers), in which no outdoor land activities are expected, Renova does not anticipate erosion to be an issue with the project. As a result, erosion control is not necessary for the FCH removal activities.

13.0 TRAFFIC CONTROL

All vehicles leaving the work area shall have no mud or dirt on the vehicle body or wheels. Any foreign matter shall be physically removed prior to a vehicle's entry onto a public roadway. Any mud, dirt carryout, material spills and soil washout-out onto the adjacent asphalt paved parking lot and walkways shall be cleaned up immediately. The contractor will complete daily cleanup of public roadways and walkways. Figure 2 depicts the traffic routes to the FCH work areas (Battery 113, Building 107, and Building 10).

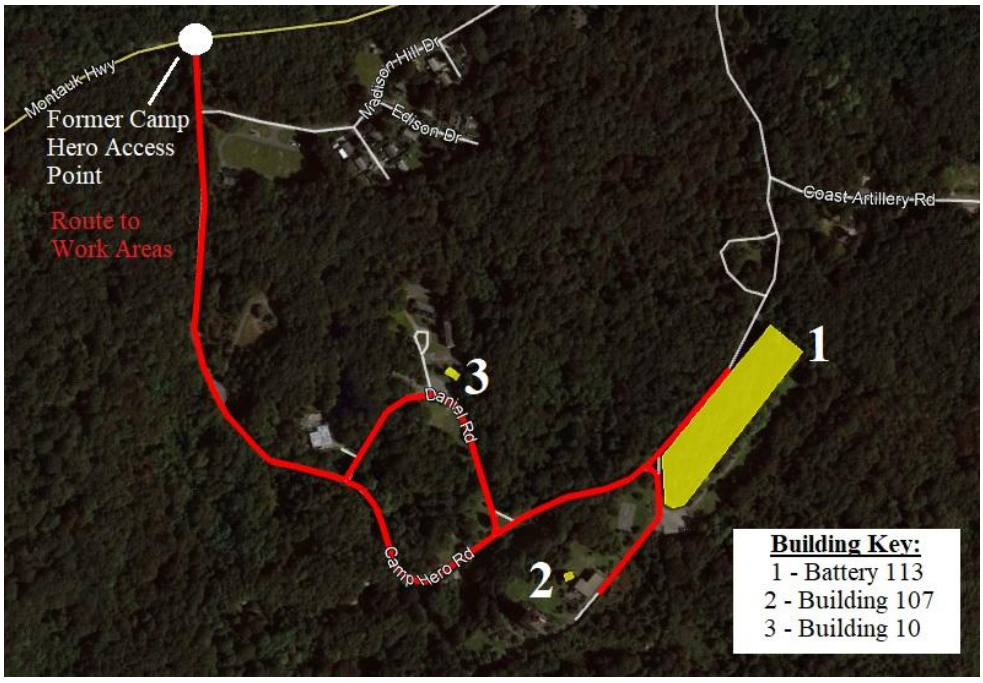


Figure 2: Traffic Routes

14.0 CERTIFICATION

Renova will ensure that every subcontractor who will be doing on-site work reviews a copy of this AST Removal Plan. The Plan will be provided prior to the commencement of any such work. This requirement is to ensure that these pertinent subcontractors are familiar with this AST Removal Plan prior to the commencement of their work on site. This certification neither adds to, nor detracts from, any responsibilities under the contract to ensure that performance is in accordance with this AST Removal Plan.

15.0 SUMMARY OF REQUIRED PERMITS

The following permits will be required to complete work. As the facility is located within a state park, no other local or state permits will be required:

- AST Removal Permit will not be required

16.0 REFERENCES

Pipeline and Hazardous Materials Safety Administration, Department of Transportation, "49 CFR 171-180, Hazardous Materials Regulations".

U.S. Army Corps of Engineers (USACE), "Safety and Health Requirements Manual", U.S. Army Engineering Manual, EM-385-1-1, 2014.

USACE, "Performance Work Statement for the Removal Action Activities, Former Camp Hero, Montauk, New York", FUDS Project Number C02NY002403, NAE Project Number 452115, 8 June 2020.

ER 1180-1-6, Construction Quality Management, USACE, 30 September 1995.

ER 200-2-3 Environmental Compliance Policies

U.S. National Archives and Records Administration (NARA), "40 CFR 68, Chemical Accident Prevention Provisions".

NARA, "40 CFR 302, Designation, Reportable Quantities, and Notification".

NARA, "40 CFR 355, Emergency Planning and Notification".

Occupational Safety and Health Standards for the Construction Industry, 29 CFR 1926, Occupational Safety and Health Administration, 1999.

Appendix A

MAP LOCATION

N
W E
S

0 1,000 2,000 Feet

1 inch = 2,000 feet

AECOM

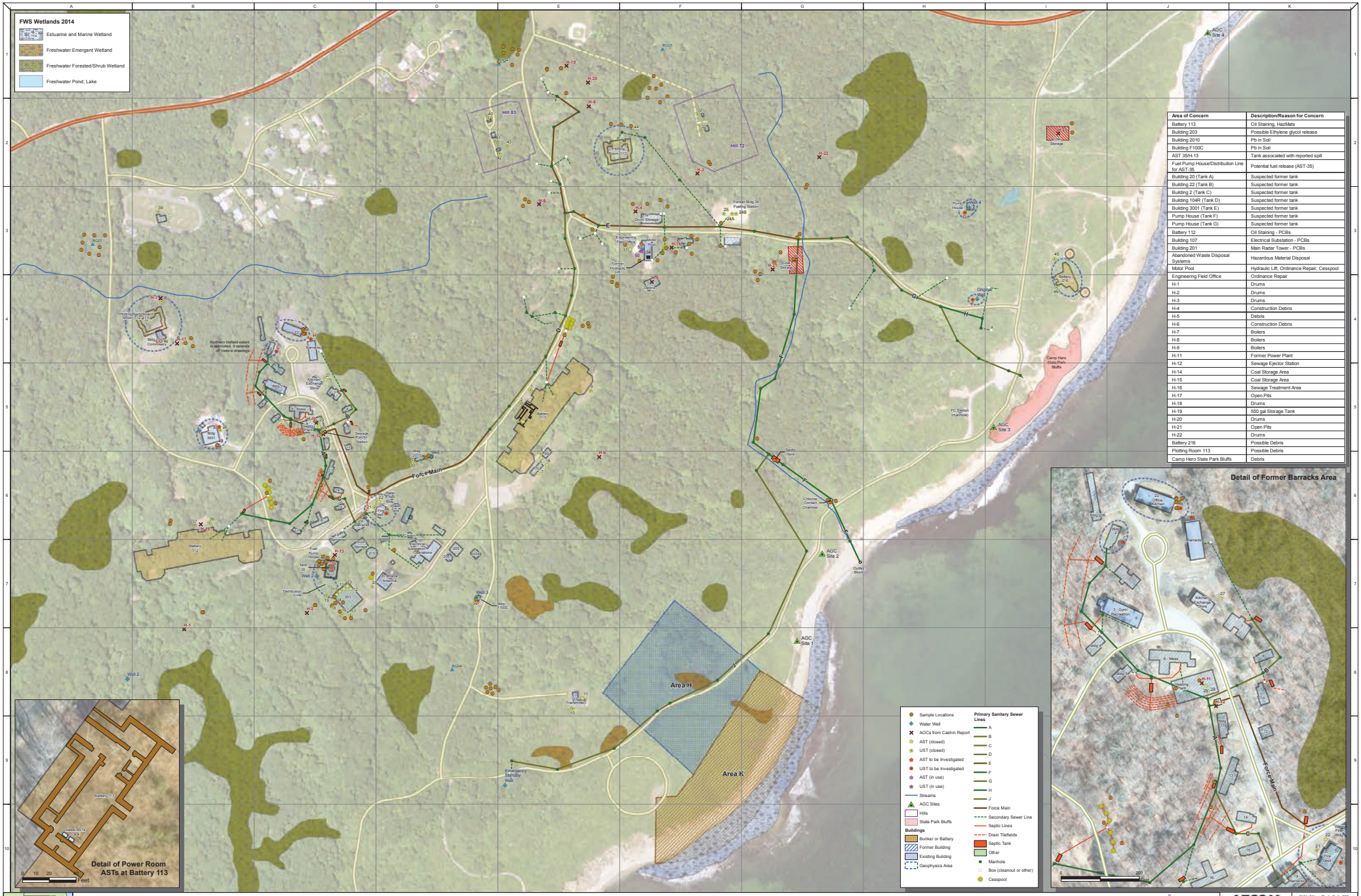
3101 Wilson Blvd., Suite 900
Arlington, VA 22201
T 703-682-4900 F 703-682-4901

General Location Map

Camp Hero Phase 1 Technical Memorandum

PROJECT NO.	PREPARED BY:	DATE:	
60443903	DDS	September 2016	**Figure 1-1**

8/19/2016 1:24,000 Y:\Projects\Camp_Hero\Maps\TechMemo\Fig 1-1 General Location.mxd


FWS Wetlands 2014
Estuarine and Marine Wetland
Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Freshwater Pond; Lake
Area of Concern | Description/Reason for Concern
Battery 113 | Oil Staining, HazMats
Building 203 | Possible Ethylene glycol release
Building 2010 | Pb in Soil
Building F100C | Pb in Soil
AST 35/H-13 | Tank associated with reported spill
Fuel Pump House/Distribution Line for AST-35 | Potential fuel release (AST-35)
Building 20 (Tank A) | Suspected former tank
Building 22 (Tank B) | Suspected former tank
Building 2 (Tank C) | Suspected former tank
Building 104R (Tank D) | Suspected former tank
Building 3001 (Tank E) | Suspected former tank
Pump House (Tank F) | Suspected former tank
Pump House (Tank G) | Suspected former tank
Battery 112 | Oil Staining - PCBs
Building 107 | Electrical Substation - PCBs
Building 201 | Main Radar Tower - PCBs
Abandoned Waste Disposal Systems | Hazardous Material Disposal
Motor Pool | Hydraulic Lift, Ordinance Repair, Cesspool
Engineering Field Office | Ordinance Repair
H-1 | Drums
H-2 | Drums
H-3 | Drums
H-4 | Construction Debris
H-5 | Debris
H-6 | Construction Debris
H-7 | Boilers
H-8 | Boilers
H-9 | Boilers
H-11 | Former Power Plant
H-12 | Sewage Ejector Station
H-14 | Coal Storage Area
H-15 | Coal Storage Area
H-16 | Sewage Treatment Area
H-17 | Open Pits
H-18 | Drums
H-19 | 550 gal Storage Tank
H-20 | Drums
H-21 | Open Pits
H-22 | Drums
Battery 216 | Possible Debris
Plotting Room 113 | Possible Debris
Camp Hero State Park Bluffs | Debris
Detail of Former Barracks Area
Detail of Power Room ASTs at Battery 113
Area H
Area K
Force Main
Sample Locations
Water Well
AOCs from Cashin Report
AST (closed)
UST (closed)
AST to be Investigated
UST to be Investigated
AST (in use)
UST (in use)
Streams
AGC Sites
Hills
State Park Bluffs
Buildings
Bunker or Battery
Former Building
Existing Building
Geophysics Area
Primary Sanitary Sewer Lines
A
B
C
D
E
F
G
H
J
Force Main
Secondary Sewer Line
Septic Lines
Drain Tilefields
Septic Tank
Other
Manhole
Box (cleanout or other)
Cesspool
Surface water features obtained from National Hydrography Dataset (NHD). Dates of publication vary.
2013 NAIP Aerial Imagery obtained from the USDA Geospatial Data Gateway, a service of the US Department of Agriculture.
Wetlands shapes from U. S. Fish and Wildlife Service. 2015. National Wetlands Inventory website. http://www.fws.gov/wetlands/
Coordinate System: NAD 1983 StatePlane New York Long Island FIPS 3104 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
1 inch = 175 feet
MAP LOCATION
AECOM
3101 Wilson Blvd., Suite 900
Arlington, VA 22201
T 703-682-4900 F 703-682-4901
Site Map with AOC Locations
Camp Hero Phase 1 Technical Memorandum
Project No. 60443920
Designed DDS
Date September 2015
Figure 1-2

Appendix B

DASET **DAS ENVIRONMENTAL TRAINING, INC.**

Bendersville PA 17306 717-677-7756

ANTHONY DENORA

Has Completed

40 HOURS OF OFF SITE TRAINING

Hazardous Waste Site Worker

29 CFR 1910.120(e)

August 12, 2010

ALLEN R. SHEETS CET, OHST, CHMM
COURSE ADMINISTRATOR

CERTIFICATE # 100812402

CERTIFICATE OF COMPLETION

This certificate awarded to

Anthony Denora

for satisfactory participation in

OSHA 8 Hour Hazwoper Refresher

29 CFR Part 1910.120 - 8 Contact Hour(s)

Certificate 105520 awarded on February 8, 2020.

Eduwhere
Your compliance connection

Jori White

Eduwhere

Eduwhere · PO Box 4704 · Chapel Hill, NC 27515 · www.eduwhere.com · (919) 246-4847

RegTech Support Systems

certifies to all that

Eric Scholey

has fulfilled the requirements of

Hazardous Waste Operations and Emergency Response
OSHA 40 Hour HazWoper Training

In accordance with the training requirements found at CFR 29 1910.120

on this 4th Day of November, 2005

and is hereby admitted the rights and privileges
belonging to that training and achievement given under this Training seal.

11/04/2005

Date

Denise E. Stewart, CRCM, Instructor

RegTech Support Systems

Certifies that

Eric Scholey

Has fulfilled the requirements of

OSHA 40-hour Hazwoper Training @ 29CFR 1910.120

On November 4, 2005

Denise E. Stewart

11/04/05

Date

CERTIFICATE OF TRAINING

This certificate awarded to

Eric Scholey

for satisfactory participation in

OSHA 8 Hour Hazwoper Refresher

Awarded on June 3, 2020

Eduwhere

www.eduwhere.com

Certificate of Completion

This certifies that

Eric D Scholey

Has Successfully completed

8 Hour HAZWOPER Supervisor Training

This certificate does not in itself indicate initial 24 or 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)(4)

And all State OSHA/EPA Regulations as well

This course is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Julius P. Griggs	1709014200887	9/1/2017
Julius P. Griggs Training Director	Certificate Number	Issue Date

SAFETY UNLIMITED, Inc.
OSHA Compliant Safety Training Since 1993

2139 Tapo St., Suite 228 Simi Valley, CA 93063
888 309-SAFE (7233) or 805 306-8027 866-869-7097 (fax)
www.safetyunlimited.com

Annual Refresher Training NOT Required
Want to be sure this certificate is valid? Visit safetyunlimited.com/verification

Certificate of Completion

This certifies that

George Mohr

has successfully completed

OSHA 40 Hour HAZWOPER Training

Annual Refresher Training Required

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)

And State OSHA/EPA Regulations as well including 29 CFR 1926.65(e)

This course is approved for 40 Contact Hours (4 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 4 CEUs for this program.

Julius P. Griggs

Julius P. Griggs
Instructor #892

2007191338670

Certificate Number

7/19/2020

Issue Date

ACCREDITED IACET PROVIDER

Scan this code or visit safetyunlimited.com/v to verify certificate.

SAFETY UNLIMITED, Inc.

2139 Tapo St., Suite 228 Simi Valley,CA 93063
(888) 309-SAFE (7233) or 805 306-8027
https://www.safetyunlimited.com

Annual Refresher Training Required

Compliance Solutions Occupational Trainers, Inc.

Certificate of Completion

Student Name: Michael Bess

Company: Quick Environmental

I Certify the above named student has been tested and trained for:

40-Hour HAZWOPER

as per 29 CFR 1910.120(e)

Date of Issue: 6/30/2017

By: _____ **Instructor**

CERTIFICATE OF COMPLETION

This certificate awarded to

Michael Bess

for satisfactory participation in

OSHA 8 Hour Hazwoper Refresher

29 CFR Part 1910.120 - 8 Contact Hour(s)

Certificate 106640 awarded on March 27, 2020.

Eduwhere
Your compliance connection.

Eduwhere

Eduwhere · PO Box 4704 · Chapel Hill, NC 27515 · www.eduwhere.com · (919) 246-4847

Michael Bess
OSHA 8 Hour Hazwoper Refresher
Renova Environmetal
Completion Date: Mar 27, 2020 -- CertificateID: 106640 -- Email: michaelbess92@gmail.com -- Username: Michaelbess92

Exam ID	Date	Correct	Incorrect	Score
1	Mar 27, 2020 - 10:56:01 AM EDT	7	3	70
2	Mar 27, 2020 - 11:40:20 AM EDT	8	2	80
3	Mar 27, 2020 - 12:07:58 PM EDT	8	2	80
4	Mar 27, 2020 - 01:36:44 PM EDT	7	3	70
5	Mar 27, 2020 - 02:01:38 PM EDT	14	2	88
6	Mar 27, 2020 - 02:18:00 PM EDT	7	3	70
7	Mar 27, 2020 - 02:32:35 PM EDT	8	2	80
8	Mar 27, 2020 - 02:34:40 PM EDT	7	3	70
9	Mar 27, 2020 - 02:41:30 PM EDT	8	2	80
10	Mar 27, 2020 - 02:42:01 PM EDT	1	0	100

Employer / Supervisor Date

Overview: The goal of this OSHA mandated training is to provide personnel involved with the clean-up of hazardous waste sites the knowledge to safely work in a hazardous environment.

This course is intended to assist in satisfying the annual training requirement of the Hazardous Waste Operations and Emergency Response (HAZWOPER) rule, found in Title 29 of the Code of Federal Regulations Part 1910.120. The standard was specifically developed to protect workers that may be exposed to hazardous waste at uncontrolled hazardous waste sites and at EPA licensed waste treatment, storage and disposal facilities; as well as workers responding to emergencies involving hazardous materials, such as spills.

Objectives: · Refresh your knowledge and understanding of the requirements for hazardous waste operations and emergency response (HAZWOPER), as required by 29 CFR 1910.120; and · To help satisfy the annual HAZWOPER training required for re-certification. *(Note: Although this course covers much of the information required by the regulations, many employers may find it necessary to augment this online training with additional site-specific information and hands on training (such as reviewing site-specific health and safety plans and/or providing respirator fit testing).*

Topics: · Module 1 Introduction · Module 2 Planning & Organization · Module 3 Physical & Chemical Properties & Exposure · Module 4 Hazard Evaluation · Module 5 Personal Protective Equipment · Module 6 Monitoring · Module 7 Drum and Container Handling · Module 8 Decontamination · Module 9 Emergency Response

Who: This course is intended for supervisors, environmental professionals, and other hazardous waste site personnel, including: · Workers in cleanup operations at uncontrolled hazardous waste sites; · Workers at EPA-licensed waste TSD facilities; · Workers responding to emergencies involving hazardous materials; · Hazardous Materials Technicians; and · Any individuals requiring annual OSHA 8 Hour Refresher training, as required by 29 CFR 1910.120;

Credit: 8 Contact Hours *1.34 Industrial Hygiene CM Point (ABIH, Blanket Approval) · PDH: 0.0*

Training Citation: 29 CFR Part 1910.120 · **Training Refresher Required:** Every 1 year(s).

Instructor: Linda R. Taylor, PE

Training provided by Eduwhere. · P.O. Box 4704 · Chapel Hill, NC · 27515 · T: 919.246.4847 · www.eduwhere.com · info@eduwhere.com

03/27/20

Eduwhere Training Representative Date

Certificate of Completion

This certifies that

michael d. hostler

has successfully completed

OSHA 40 Hour HAZWOPER Training

Annual Refresher Training Required

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)

And State OSHA/EPA Regulations as well including 29 CFR 1926.65(e)

This course is approved for 40 Contact Hours (4 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Julius P. Griggs

Julius P. Griggs
Instructor #892

1902221273159

Certificate Number

2/22/2019

Issue Date

SAFETY UNLIMITED, Inc.
OSHA Compliant Safety Training Since 1993

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(888) 309-SAFE (7233) or 805 306-8027
https://www.safetyunlimited.com

Scan this code or visit www.safetyunlimited.com/v to verify certificate.

Annual Refresher Training Required

Certificate of Completion

This certifies that

Michael Hostler

has successfully completed

8 Hour HAZWOPER Refresher Training

Refresher certification does NOT necessarily indicate initial 24 or 40 Hour HAZWOPER certification

In Accordance w/Federal OSHA Regulation 29 CFR 1910.120(e) & (p)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course (Version 3) is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044).

Safety Unlimited, Inc., Provider #5660170-2, is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU. As an IACET Accredited Provider, Safety Unlimited, Inc. offers CEUs for its programs that qualify under the ANSI/IACET Standard. Safety Unlimited, Inc. is authorized by IACET to offer 0.8 CEUs for this program.

Julius P. Griggs

Julius P. Griggs
Instructor #892

2001275317618

Certificate Number

1/27/2020

Issue Date

ACCREDITED IACET PROVIDER

Scan this code or visit safetyunlimited.com/v to verify certificate.

SAFETY UNLIMITED, Inc.
OSHA Compliant Safety Training Since 1993

2139 Tapo St., Suite 228 Simi Valley,CA 93063
(888) 309-SAFE (7233) or 805 306-8027
https://www.safetyunlimited.com

Proof of initial certification and subsequent refresher training is NOT required to take refresher training

Certificate of Completion

This certifies that

Nicholas Vollrath

Has Successfully completed

OSHA 40 Hour HAZWOPER Training

In Accordance With Federal OSHA Regulation 29 CFR 1910.120(e)

And State OSHA/EPA Regulations as well including 29 CFR 1926.65(e)

This course is approved for 40 Contact Hours (4 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044)

Julius P. Griggs

Julius P. Griggs
Training Director

1609301180351

Certificate Number

9/30/2016

Issue Date

SAFETY **UNLIMITED, Inc.**
OSHA Compliant Safety Training Since 1993

2139 Tapo St., Suite 228 Simi Valley, CA 93063
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www.safetyunlimited.com

Annual Refresher Training Required
Want to be sure this certificate is valid? Visit safetyunlimited.com/verification

Certificate of Completion

This certifies that

Nicholas Vollrath

has successfully completed

8 Hour HAZWOPER Refresher Training

Refresher certification does NOT necessarily indicate initial 24 or 40 Hour HAZWOPER certification

In Accordance w/Federal OSHA Regulation 29 CFR 1910.120(e) & (p)

And all State OSHA/EPA Regulations as well including 29 CFR 1926.65 for Construction.

This course (Version 3) is approved for 8 Contact Hours (0.8 CEUs) of continuing education per the California Department of Public Health for Registered Environmental Health Specialist (REHS) (Accreditation # 044).

Julius P. Griggs
Julius P. Griggs
Instructor #892

1909125180351
Certificate Number

9/12/2019
Issue Date

SAFETY **UNLIMITED, Inc.**
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https://www.safetyunlimited.com

Scan this code or visit www.safetyunlimited.com/v to verify certificate.

Proof of initial certification and subsequent refresher training is NOT required to take refresher training

CERTIFICATE OF COMPLETION

This certificate awarded to

Robert Anstatt

for satisfactory participation in the online course

OSHA 8 Hour Hazwoper Refresher

29 CFR Part 1910.120 - 8 Contact Hour(s)

Certificate 102206 awarded on September 18, 2019.

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Robert Anstatt
OSHA 8 Hour Hazwoper Refresher
Renova Environmental
Completion Date: Sep 18, 2019 -- CertificateID: 102206 -- Email: robostatt02@aol.com -- Username: robostatt02

Exam ID	Date	Correct	Incorrect	Score
1	Sep 18, 2019 - 08:54:27 AM EDT	7	3	70
2	Sep 18, 2019 - 08:58:18 AM EDT	9	1	90
3	Sep 18, 2019 - 09:01:48 AM EDT	10	0	100
4	Sep 18, 2019 - 09:05:19 AM EDT	7	3	70
5	Sep 18, 2019 - 09:08:42 AM EDT	12	4	75
6	Sep 18, 2019 - 09:11:36 AM EDT	7	3	70
7	Sep 18, 2019 - 09:14:41 AM EDT	8	2	80
8	Sep 18, 2019 - 09:16:35 AM EDT	7	3	70
9	Sep 18, 2019 - 09:18:43 AM EDT	9	1	90
10	Sep 18, 2019 - 09:19:00 AM EDT	1	0	100

Employer / Supervisor Date

Overview: The goal of this OSHA mandated training is to provide personnel involved with the clean-up of hazardous waste sites the knowledge to safely work in a hazardous environment.

This course is intended to assist in satisfying the annual training requirement of the Hazardous Waste Operations and Emergency Response (HAZWOPER) rule, found in Title 29 of the Code of Federal Regulations Part 1910.120. The standard was specifically developed to protect workers that may be exposed to hazardous waste at uncontrolled hazardous waste sites and at EPA licensed waste treatment, storage and disposal facilities; as well as workers responding to emergencies involving hazardous materials, such as spills.

Objectives: · Refresh your knowledge and understanding of the requirements for hazardous waste operations and emergency response (HAZWOPER), as required by 29 CFR 1910.120; and · To help satisfy the annual HAZWOPER training required for re-certification. *(Note: Although this course covers much of the information required by the regulations, many employers may find it necessary to augment this online training with additional site-specific information and hands on training (such as reviewing site-specific health and safety plans and/or providing respirator fit testing).*

Topics: · Module 1 Introduction · Module 2 Planning & Organization · Module 3 Physical & Chemical Properties & Exposure · Module 4 Hazard Evaluation · Module 5 Personal Protective Equipment · Module 6 Monitoring · Module 7 Drum and Container Handling · Module 8 Decontamination · Module 9 Emergency Response

Who: This course is intended for supervisors, environmental professionals, and other hazardous waste site personnel, including: · Workers in cleanup operations at uncontrolled hazardous waste sites; · Workers at EPA-licensed waste TSD facilities; · Workers responding to emergencies involving hazardous materials; · Hazardous Materials Technicians; and · Any individuals requiring annual OSHA 8 Hour Refresher training, as required by 29 CFR 1910.120;

Credit: 8 Contact Hours *1.34 Industrial Hygiene CM Point (ABIH, Blanket Approval) · PDH: 0.0*

Training Citation: 29 CFR Part 1910.120 · **Training Refresher Required:** Every 1 year(s).

Instructor: Linda R. Taylor, PE

Training provided by Eduwhere. · P.O. Box 4704 · Chapel Hill, NC · 27515 · T: 919.246.4847 · www.eduwhere.com · info@eduwhere.com

09/18/19

Eduwhere Training Representative Date

Appendix C

Certificate of Achievement

This certificate has been awarded to:

Anthony J. Denora

at

Sparta, NJ - Lion Training Center

Session: 17563

For successful completion of Lion Technology's one-day Recurrent Hazmat Ground Shipper Certification (DOT) Workshop. This training is designed to satisfy the general awareness, function-specific, and security awareness training requirements of 49 CFR 172.704(a) for typical managers and supervisors of hazardous materials transportation functions.

Successful completion includes attaining a passing grade on the final proficiency test. The US DOT requires training for hazmat employees no later than three years from the anniversary date of their previous training [49 CFR 172.704(c)(2)]. Training was conducted by Lion Technology Inc., 570 Lafayette Road, Sparta, NJ 07871 (973-383-0800).

This training completed on: ***August 15, 2017***

Lion Technology Member PIN: 7072160

.7 CEUs, NEHA Authorized CE Contact Hours:7

Joel Gregier

INSTRUCTOR

LION TECHNOLOGY INC.