DRAFT FINAL

DISPOSAL ACTIONS REPORT

BUILDING 10, BUILDING 107 AND BATTERY 113

FORMER CAMP HERO

Montauk, New York

Formerly Used Defense Sites Property # C02NY002403
Former Camp Hero, Suffolk County, New York

29 June 2023

Prepared for:
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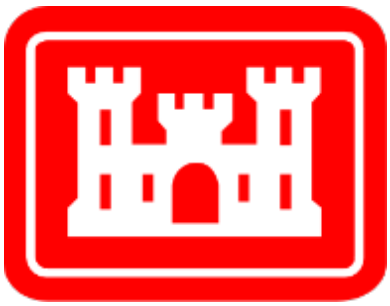

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LIST OF ACRONYMS

ACM	Asbestos-Containing Material
AST	Aboveground Storage Tank
FCH	Former Camp Hero
IAL	Integrated Analytical Laboratories, LLC of Randolph, New Jersey
NYSDEC	New York State Department of Environmental Conservation
PACM	Presumed Asbestos-Containing Material
PPE	Personal Protective Equipment
SCL	Soil Cleanup Level
TPH	Total Petroleum Hydrocarbons
USACE	United States Army Corps of Engineers

1.0 INTRODUCTION

Renova Environmental Company (Renova) has prepared this Disposal Actions Report to document activities performed at the Former Camp Hero (FCH) site, located in Montauk, Suffolk County, New York. All work within this report has been performed under United States Army Corps of Engineers (USACE) Contract # W912WJ-20-C-0008.

2.0 REGULATORY CITATIONS

The following regulatory citations provide applicable investigation requirements, screening, and remediation standards for the contaminants of concern presented in this report.

NYSDEC Policy CP-51: Soil Cleanup Guidance last amended on October 21, 2010, presents Soil Cleanup Levels (SCLs) for Gasoline Contaminated Soils and Fuel Oil Contaminated Soils.

NYSDEC 6 NYCRR Part 375: Environmental Remediation Programs: last amended on December 14, 2006, presents Unrestricted Use Soil Cleanup Objectives for PCBs/Pesticides [Table 375-6.8(a)].

NYSDEC *Technical Guidance for Site Investigation and Remediation (DER-10)* and NYSDEC *Permanent Closure of Petroleum Storage Tanks*, last modified on 03 December 2003.

Resource Conservation and Recovery Act (RCRA), 42 U.S.C. §6901 et seq. (1976) presents standards and requirements for the transportation and disposal of hazardous waste.

Toxic Substances Control Act (TSCA), 15 U.S.C. §2601 et seq. (1976) presents standards for disposal of specific chemicals including polychlorinated biphenyls (PCBs).

3.0 BACKGROUND INFORMATION

All project sites under this contract were constructed as part of the Former Camp Hero (FCH). The Former Camp Hero (FCH) site is located north of Daniel Road, east and west of Camp Hero Road, and south of Montauk Highway, located 6 miles northeast of the hamlet and census-designated place of Montauk in Suffolk County, New York (Appendix A). The FCH site is roughly bell-shaped and has an approximate area of 468.69 acres. The site is located along the southern shore of Long Island, near the island's easternmost point (Montauk Point). Subsurface geology includes glacial till moraine deposits with small amounts of kame deposits overlying the Monmouth Group, Matawan Group, Magothy Formation bedrock.

Groundwater flow within the FCH site is generally towards the east and southeast, towards the Atlantic Ocean.

The FCH site was utilized for various training activities during the Revolutionary War, the War of 1812, the Spanish American War, World War I, and World War II. During and after World War II, the site was utilized as a Coastal Defense Installation to defend approaches to New York via three self-sufficient batteries (Battery 112, Battery 113, and Battery 216) and supporting facilities.

The majority of the FCH site is under the jurisdiction of the New York State Office of Parks, Recreation, and Historic Preservation (NYS OPRHP). The park is mostly undeveloped and is open to the public for pedestrian-based passive recreation including bird watching, beach combing, walking/hiking, photography, and seasonal surf fishing (with permit). Vehicular traffic is restricted in most areas. Camping or overnight parking is not allowed within the park without a permit. Several areas, mostly due to safety concerns associated with old structures, are fenced and restricted from public access. Future land use is anticipated to be active and passive public recreation with development consisting of infrastructure in support of this use. Several structures, some of which have safety deficiencies, are listed on the National Register of Historic Places. Renova's work at the FCH site occurred at the former Electrical Substation Operations Building (Building 107), Kitchen/Exchange Store (Building 10), and Battery 113. Battery 113 is an underground bunker constructed of concrete and covered with earth. The buildings are not currently in use and are boarded up. The property location is illustrated on **Figure 1** (USGS Topographic Map) and **Figure 2** (Site Location Map). Battery 113 is detailed on **Figure 3** (Battery 113 Concrete Core Samples) and **Figure 4** (Battery 113 Concrete Removal Recommendation) and **Figure 7 (Building 113 Removal Actions)**. Building 10 is detailed on **Figure 5 (Building 10 Removal Actions)** and Building 107 is detailed on **Figure 6 (Building 107 Removal Actions).**

The work at Buildings 10, 107 and Battery 113 was conducted to address comments received by New York State Department of Conservation (NYSDEC), in a January 7, 2019 letter, regarding the Remedial Investigation Report.

Three (3) locations at the FCH site were identified for disposal actions and evaluation, as described below:

1. **Building 10:** Site work completed within Building 10 comprised of removal and disposal of hazardous materials, as well as cleaning of the hazardous materials storage area, and post-cleaning wipe and chip sampling.

2. **Building 107:** Site work completed within Building 107 comprised of removal and disposal of three (3) transformers and their associated PCB-containing fluids, as well as cleaning of the transformer removal area, and post-cleaning wipe and chip sampling.
3. **Battery 113:** Site work completed within Battery 113 comprised of removal and disposal of two (2) 150-gallon Aboveground Storage Tanks (ASTs) containing water and petroleum fuel mix, removal and disposal of four (4) transformers and their associated polychlorinated biphenyl (PCB)-containing fluids, as well as cleaning of the removal areas, and post-cleaning wipe and chip sampling.

4.0 FIELD ACTIVITIES

The following paragraphs detail field work completed at the FCH site between August 2020 and October 2021. Lighting was installed and headlamps/flashlights were utilized to fully illuminate work areas with low visibility.

4.1 Waste Characterization Sampling

Renova conducted waste characterization sampling and analysis per the requirements of offsite permitted treatment, storage, or disposal facilities (TSDFs) receiving the material, in which all regulatory requirements, including the preparation of hazardous materials and waste for transportation, were met. All tank product, pumpable liquids, and sludge were characterized in accordance with 40 Code of Federal Regulations (CFR) 261 and 40 CFR 279. Renova collected liquid, sludge, concrete chip, and wipe samples for preliminary waste characterization purposes and in order to develop a detailed removal action strategy. The waste characterization phase was requisite to determine the type of disposal required for each material based on local, state, and Federal disposal regulations.

All waste characterization samples were submitted to Integrated Analytical Laboratories, LLC (IAL) of Randolph, New Jersey (Laboratory Certification Number 14751) for analysis. Renova has prepared summary tables and a memorandum documenting the waste characterization sampling and subsequent disposal plans. The Waste Characterization Memorandum, including all associated Laboratory Analytical Summary Reports, has been included as **Appendix A**.

4.2 Building 10

4.2.1 Removal Actions

Renova completed removal and disposal of hazardous materials within the FCH Building 10. The removal actions at Building 10 are illustrated on **Figure 5.** Approximately 24.75 gallons of oil, hydraulic fluid, and paint/enamel with their associated containers and cans were removed from the building. The following is a summary of the materials removed from Building 10:

Main Room (Kitchen)

- Twenty-Five (25) 1-Quart Metal Cans of Chevron HyJet IV, Phosphate Ester
- Five (5) 1-Quart Metal Cans of Mobil Jet Oil II
- Five (5) 1-Quart Metal Cans of Exxon Turbo Oil 2389
- Two (2) 1-Gallon Metal Cans of Skydrol – Monsanto 500 B-4 Fire Starter Fluid
- Two (2) 5-Gallon Metal Cans of 3100 Clean Compound Jet Engine Path Cleaner, B&B Chemical Company

Back Room (Storage)

- Four (4) 1-Gallon Metal Cans of Modern All-Purpose Enamel

Metal cans storing the materials were in poor condition. Most were leaking, bulging, rusty, and had labels that were barely legible. Renova positioned an over-pack drum at the entrance and placed 6-mil poly sheeting under the drum and in the walking path. The materials of concern were carefully removed and placed into the drum. Once all cans were removed and drummed Renova evaluated the area to determine if any other material that was in contact with the containers/their contents could also be removed and placed in the drum for disposal. Oil absorbent pads were used to collect any free liquids that were observed on the floors and storage surfaces. The four (4) enamel cans in the back room were severely rusted and fused to their storage cart. Renova cleaned all shelving and portable surfaces that had been impacted by the spilled enamel and leaking fluid containers. The metal components were cleaned of fluids, removed from FCH Building 10, and placed into dumpsters. After all fluid containers, impacted items, and oil absorbent pads were removed from Building 10 the drums were sealed and transported to the staging area inside of Battery 113 for removal from the site. All disposal activities were conducted in compliance with the most stringent local, State, and Federal requirements. A manifest for the disposal of the hazardous waste removed from Building 10 has been included as **Appendix C**.

Asbestos-Containing Material (ACM) Removal

Following removal of the containers and associated items as described above from within Building 10, it was noted that some of the oils and paints formerly stored on the floor of the main room had leaked outside of their containers onto existing floor tiles. Accordingly, approximately 25 bags of ACM in the form of floor tiles were properly removed and disposed of by US Environmental Abatement Corp. of Westbury, NY. The asbestos disposal manifest is included as **Appendix B**.

Cleaning

Following removal of the containers and associated items from FCH Building 10, the work areas were left clear of all hazardous materials and pre-existing general debris. The stained areas were assessed to determine the extent of staining. Renova pressure-washed stains from the Building 10 floors and walls in the direct vicinity of the hazardous material storage areas. Approximately 160 square feet of floor and 50 square feet of wall were cleaned. The area of pressure washing and mopping was contained to ensure collection and containment of all wash-water. Renova utilized New Pig: Blue Absorbent Socks to "ring" the area prior to cleaning. The amount of water introduced by the pressure washer was minimal and the wash-water was squeegeed and immediately collected using a wet/dry vacuum as it was applied by the pressure washer. The water collected in the vacuum was placed in a DOT-approved 55-gallon drum, labeled, and placed in the secure drum laydown area for proper disposal. A manifest for the disposal of the wash-water generated onsite has been included as **Appendix D**.

Sampling

Following pressure washing of the work areas within Building 10, Renova collected spatially distributed concrete chip and surficial wipe samples from the stained areas in the former oil, paint and maintenance storage locations. All samples were submitted to Integrated Analytical Laboratories, LLC (IAL) of Randolph, New Jersey (Laboratory Certification Number 14751) for analysis. The Laboratory Analytical Summary Reports are included as **Appendix E**. Results of the lab analysis are summarized on the following table:

Sample ID	Date	Parameter	Results	Soil Cleanup Standard[1]
WIPE SAMPLES				
CH-WS-01	5/20/21	TPH[2]	154 ug/100cm2	N/A
CH-WS-02			273 ug/100cm2	N/A
CONCRETE CHIP SAMPLE				
CH-CS-03	5/20/21	TPH[2]	358 mg/kg	N/A
		Naphthalene	0.00381 mg/kg	12.0 mg/kg
		Phenanthrene	0.178 mg/kg	100 mg/kg

NOTES:
1 – Soil Cleanup Standards from NYSDEC Policy CP-51 "Soil Cleanup Guidance." In the absence of standards for concrete, results were compared to soil standards.
2 – TPH = Total Petroleum Hydrocarbons, analyzed at the request of the NYSDEC Case Manager.

Although there are no specific standards in New York for TPH in soil, the New Jersey residential standard for Extractable Petroleum Hydrocarbons (EPH), a fraction of the TPH family, is 5300 mg/kg and can be used as a comparable standard for comparison and risk evaluation purposes. TPH was detected in all samples of both medias analyzed at Building 10, however, the low concentrations detected do not pose sufficient hazard to warrant further removal action in Building 10 at this time.

4.3 Building 107

4.3.1 Removal Actions

Renova removed and disposed of three (3) transformers, their electrical components, rigid piping stained with oil, and associated PCB-containing fluids in Building 107. The removal actions at Building 107 are illustrated on **Figure 6.** This work was completed in a building that formerly contained a small electrical substation. The transformers were located in the building's blast bunker basement, with a small entry opening to access the area. Due to the location of the transformers, they were hoisted by straps and manpower up to ground surface for disposal. Proper precautions, as detailed further below, were taken to avoid spills as well as physical injury to those handling the removal and disposal.

Renova personnel descended into the basement via a stairway. Prior to removal, transformers, electrical components, floors, and walls were inspected for free liquids; oil absorbent pads were used to collect minor amounts of fluid. The transformers PCB-containing fluid contents were drained directly into five-gallon buckets and secured with lids. The buckets were hoisted to entry level for removal and disposal. A manifest for the disposal of the non-TSCA PCB fluid contents is included as **Appendix I**.

Using hand tools Renova then removed the transformers from the wall and placed them in the access way. A chain hoist affixed to the existing climbing rungs was utilized to safely hoist the transformers to entry level for removal and disposal. Renova then removed any other associated electrical component and placed them in the access way point. With the assistance of the chain hoist, the materials were brought up to entry level piece by piece for disposal.

Cleaning

Following removal of the transformers and associated components within Building 107, stained areas were assessed to determine the extent of cleaning required. Renova proceeded to pressure wash stains from the floors (approximately XX square feet) and walls (approximately XX square feet) in the areas of transformer removal. All washwater produced by pressure washing and mopping was contained. Renova utilized New Pig: Blue Absorbent Socks to "ring" the area prior to cleaning. The wash-water was squeegeed and immediately collected using a wet/dry vacuum as it was applied by the pressure washer. The water collected in the vacuum was placed in a DOT-approved 55-gallon drum, labeled, and placed in the secure drum laydown area for proper disposal. A manifest for the disposal of the wash-water generated onsite has been included as **Appendix D**.

Sampling

Following pressure washing of the removal action work areas within Building 107, Renova collected concrete chip and surficial wipe samples from the stained areas below and adjacent to the former locations of the transformers. All samples were submitted to Integrated Analytical Laboratories, LLC (IAL) of Randolph, New Jersey (Laboratory Certification Number 14751) for analysis of PCBs. The Laboratory Analytical Summary Reports are included as **Appendix F**. Results of the lab analysis are summarized on the following table:

Sample ID	Date	Parameter	Results	NYCRR Part 375
WIPE SAMPLES				
CH-WS-03	5/20/21	PCBs	ND	NS
CH-WS-04			0.168 ug/100cm2	NS
CONCRETE CHIP SAMPLES				
CH-CS-04	5/20/21	PCBs	0.011 mg/kg	0.1 mg/kg

NYCRR Part 375 = New York Codes, Rules and Regulations Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
PCBs = Poly-Chlorinated Biphenyls , ND = Not Detected , NS = No Standard

PCBs were detected in one of the two wipe samples, as well as in the one concrete sample analyzed from Building 107, however, the low concentrations detected do not pose sufficient hazard to warrant further removal action in Building 107 at this time when compared against the NYCRR Part 375 Unrestricted Use Soil Cleanup Objective of 0.1 mg/kg.

4.4 Battery 113

4.4.1 Disposal Actions

Removal of Wall-Mounted ASTs

On May 24, 2021, Renova personnel decommissioned and safely removed two (2) interior, wall-mounted ASTs, each with approximately 250-gallon capacity, from within the Former Camp Hero Battery 113. The removal actions at Building 113 are illustrated on **Figure 7.** Local tank removal permits and NYSDEC tank registrations were not required for removal of the ASTs. The NYSDEC correspondence confirming no tank registration requirement is included as **Appendix G**.

The two (2) wall-mounted ASTs were made inert and the area was covered with absorbent pads and surrounded by absorbent booms prior to removal and disposal. One (1) floor drain in the vicinity was plugged and surrounded with absorbent booms before work on the tanks began. Staining was not observed near the floor drain. The tanks were cut using non-sparking cutting instruments and emptied of all contents. Petroleum mixture liquid was removed from the tanks and transported for disposal at Water Works of Newburgh, New York. The ASTs were emptied in place and the contents were collected in Department of Transportation (DOT) approved 55-gallon drums. These drums were labeled, transported to the Battery 113 entrance, and placed in the secure drum laydown area for disposal. A manifest for the disposal of the ASTs contents is included as **Appendix D**.

Upon removal of all liquid contents, the ASTs were purged of all interior vapors using an explosion proof blower and extension hoses. The tanks' interiors (top and bottom) were continually monitored for CO, H_2S, O_2, and LEL using a properly calibrated QRAE II portable multiple gas meter. Once the interior had been safely purged, the ASTs were cut fully open and wiped clean using oil-absorbent pads. The associated AST piping and appurtenances were decommissioned, cut, capped, and removed. All pads and oil-soaked personal protective equipment (PPE) were collected in trash bags for proper disposal.

Renova prepared the ASTs for removal from the wall and ultimate disposal. A chain hoist was secured to the wall and fastened to one tank using nylon straps. After the chain hoist was secured to both the wall and the tank, the tank was removed from its wall brackets using hand and power tools. Once the tank was freed from the brackets, it was carefully lowered to the floor using the anchored chain hoist. The second AST was safely removed from its wall brackets in the same sequence.

The empty ASTs, piping, and associated appurtenances were cut into a manageable size, as some metal components needed to be trimmed into smaller pieces to fit through existing doorways. The metal components were placed on dollies and removed from Battery 113 for recycling as scrap metal. A scrap receipt was generated at the recycling facility and is included as **Appendix H**. Proper care was taken to eliminate the risk of spills and physical injury to those working to empty, lower, cut, transport, and dispose of the ASTs.

Removal of Transformers and Associated Electrical Components

On May 25, 2021, Renova removed and disposed of the four (4) abandoned transformers located within Battery 113, as well as their rigid piping and associated electrical components. There were no local, state, or federal permits required for removal of the transformers. One (1) floor drain in the vicinity of the transformers was plugged and surrounded with absorbent booms before work on the transformers began. Staining was not observed near the floor drain.

The transformers were first emptied of any PCB-containing fluid contents within them prior to removal and disposal. The PCB-containing fluid was drained from the transformers into five-gallon buckets with lids and transported offsite for disposal. Approximately 65 gallons of fluid was removed from the transformers. A manifest for the disposal of the PCB fluid contents is included as **Appendix I**.

Renova personnel next removed each of the transformers in whole on their existing brackets and placed them, along with all associated electrical appurtenances, in DOT-approved 55-gallon drums. These drums were labeled, transported to the Battery 113 entrance, and placed in the secure drum laydown area for disposal.

One (1) of the four (4) transformers located within Battery 113 was too large to fit inside a DOT-approved 55-gallon drum. The exterior and interior of the large transformer was visually inspected by Renova, and it was not leaking and the structural integrity appeared to remain sound. Accordingly, the large transformer unit was transported in its entirety for disposal.

The transformers and all associated electrical equipment totaled approximately 3,906 pounds. The transformers and electrical components were picked up by TCI of New York, LLC and transported to TCI of Alabama, LLC for disposal as TSCA-PCB material (PCB concentrations assumed to be above 500 mg/kg).

The manifests associated with the transportation and disposal of the transformers are included in **Appendix I**.

All transformers and associated components were removed by Renova taking proper care taken to eliminate the risk of spills and physical injury to those working to empty, lower, transport, and dispose of the equipment. Historical staining was noted on the floor near the transformer removal area, indicating PCB-containing fluid had previously leaked onto the concrete.

Disposal of 10 x 55-gal bags of ACM

Renova removed ten (10) garbage bags of non-friable presumed ACM (PACM) shingles, in which the shingles were previously placed into the bags. The non-friable PACM shingles were disposed of as asbestos-containing waste. The asbestos disposal manifest is included as **Appendix B**.

Cleaning

Following removal of the ASTs, transformers, and associated components within Battery 113, stained areas were assessed to determine the extent of cleaning required. Renova proceeded to pressure wash stains from the Battery 113 floors and walls in the areas of AST (approximately 80 square feet) and transformer (approximately 120 square feet) removal. The utmost care was taken during pressure washing and mopping to ensure safe collection and containment of all wash-water. Renova utilized absorbent socks such as New Pig: Blue Absorbent Socks to "ring" the area prior to cleaning. As described above, loor drains were covered and plugged shut prior to the introduction of wash-water to eliminate any potential contamination migration or seepage, though the amount of water introduced by the pressure washer was minimal. The wash-water was squeegeed and immediately collected using a wet/dry vacuum as it was applied by the pressure washer. The water collected in the vacuum was placed in a DOT-approved 55-gallon drum, labeled, and placed in the secure drum laydown area for proper disposal. A manifest for the disposal of the wash-water generated onsite has been included as **Appendix D**. Renova mobilized with oil absorbent pads in anticipation of potentially encountering free petroleum-based liquids, however, no free petroleum liquids were observed, therefore pressure washing and mopping provided sufficient means of stain cleaning.

Sampling

Following pressure washing of the removal action work areas within Battery 113, Renova collected concrete chip and surficial wipe samples from the stained areas below and adjacent to the former locations of the ASTs and transformers. All samples were submitted to Integrated Analytical Laboratories,

LLC (IAL) of Randolph, New Jersey (Laboratory Certification Number 14751) for analysis. The Laboratory Analytical Summary Reports are included as **Appendix J**. Results of the lab analysis are summarized on the following tables:

Sample ID	Date	Parameter	Results
WIPE SAMPLES - AST REMOVAL AREA			
CH-WS-05	5/27/21	TPH	3,600 ug/100cm2
CH-WS-06			27,700 ug/100cm2
CONCRETE CHIP SAMPLE - AST REMOVAL AREA			
CH-CS-06	5/27/21	TPH	7,280 mg/kg
CH-CS-07			17,700 mg/kg
CH-CS-08			10,100 mg/kg

TPH = Total Petroleum Hydrocarbons, analyzed at the request of the NYSDEC Case Manager.

In the Battery 113 AST removal area, TPH was detected in all samples of both medias analyzed (surficial wipe and concrete chip samples). Although there are no specific standards in New York for TPH in soil, the media is concrete and not in a residential area, the New Jersey residential standard for EPH, a fraction of the TPH family, is 5300 mg/kg and provides a qualitative reference. Although petroleum staining remains on the concrete floor inside the building, based on the small footprint, lack of evidence of a widespread release (i.e., the ASTs are small capacity and were intact at removal), and removal of the ASTs, the staining is considered a de minimis condition and is anticipated to degrade further over time.

Sample ID	Date	Parameter	Results	NYCRR Part 375
WIPE SAMPLES – TRANSFORMER REMOVAL AREA				
CH-WS-07	5/27/21	PCBs	0.445 ug/100cm2	NS
CH-WS-08			335 ug/100cm2	NS
CONCRETE CHIP SAMPLES - TRANSFORMER REMOVAL AREA				
CH-CS-09	5/27/21	PCBs	**77.1 mg/kg**	0.1 ppm
CH-CS-10			**64.5 mg/kg**	0.1 ppm
CH-CS-11			**70.9 mg/kg**	0.1 ppm

NYCRR Part 375 = New York Codes, Rules and Regulations Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
PCBs = Poly-Chlorinated Biphenyls , NS = No Standard
Concentrations highlighted in yellow are above the NYCRR Part 375 soil cleanup standard (0.1 ppm for PCBs)

In the Bunker 113 transformer removal area, PCBs were detected in all samples of both medias analyzed (surficial wipe and concrete chip samples).

Based on the sampling results, additional assessment and removal of concrete was completed as detailed further below. Work was delayed due to a Time of Year (TOY) restriction for endangered bats.

4.4.2 Concrete Core Sampling

Following removal actions and assessment of lab results, the USACE directed Renova to perform additional sample collection work under contract option tasks. The goal of this work was to delineate the horizontal and vertical extents of contamination in the Battery 113 AST and transformer removal areas.

On August 10, 2021, Renova mobilized to the Camp Hero Site to collect concrete core samples to characterize the media for recommended extents of removal. Concrete core samples four-and-a-half-inches in diameter (4.5" Ø) were collected using a hollow, 14" diamond-tipped core bit and a standalone core drill machine. The core drill was advanced to either the maximum extent of the core bit, in which case the concrete core was separated from the remaining floor and collected for lab analysis, or until "bottoming-out" of the concrete floor, in which case the entire concrete core as well as sub-slab soil samples were collected and submitted for lab analysis. All concrete core and sub-slab soil samples were submitted to Eurofins/Test America of Edison, New Jersey for analysis. The results are summarized in the tables below.

Bunker 113 – Laboratory Detections in AST Area Concrete Core Sample

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
AST-01-0-2	VOCs 8260D (ug/kg)	Acetone	62	NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
AST-01-2-4	VOCs 8260D (ug/kg)	No Exceedances Above Regulatory Criteria		NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
AST-02-0-2	VOCs 8260D (ug/kg)	Acetone	91	NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
AST-02-2-4	VOCs 8260D (ug/kg)	No Exceedances Above Regulatory Criteria		NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
	VOCs 8260D (ug/kg)	No Exceedances Above Regulatory Criteria		NYDEC 375-6

Bunker 113 – Laboratory Detections in AST Area Concrete Core Sample			
AST-03-0-2	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria	
AST-03-2-4	VOCs 8260D (ug/kg)	No Exceedances Above Regulatory Criteria	NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria	

Bunker 113 – Laboratory Detections in the Transformer Room Concrete Core Samples				
Sample ID	**Analytical Parameter**	**Constituent**	**Analytical Results**	**Regulatory Criteria**
TR-01-0-2	PCBs (mg/kg)	Aroclor 1254	**55**	> 50 (TSCA PCB Waste)
TR-01-2-4	PCBs (mg/kg)	Aroclor 1254	**1**	> 50 (TSCA PCB Waste)
TR-02-0-2	PCBs (mg/kg)	Aroclor 1254	**1.4**	> 50 (TSCA PCB Waste)
TR-02-2-4	PCBs (mg/kg)	Aroclor 1254	**0.39**	> 50 (TSCA PCB Waste)
TR-03-0-2	PCBs (mg/kg)	Aroclor 1254	**26**	> 50 (TSCA PCB Waste)
TR-03-2-4	PCBs (mg/kg)	Aroclor 1254	**0.043**	> 50 (TSCA PCB Waste)
TR-04-0-2	PCBs (mg/kg)	Aroclor 1254	**0.17**	> 50 (TSCA PCB Waste)
TR-04-2-4	PCBs (mg/kg)	Aroclor 1254	**0.11**	> 50 (TSCA PCB Waste)
TR-05-0-2	PCBs (mg/kg)	Aroclor 1254	**2.8**	> 50 (TSCA PCB Waste)
TR-05-2-4	PCBs (mg/kg)	Aroclor 1254	**ND**	> 50 (TSCA PCB Waste)

Bunker 113 – Laboratory Detections in the Transformer Room Soil Sample				
Sample ID	**Analytical Parameter**	**Constituent**	**Analytical Results**	**Regulatory Criteria**
TR-01-SS	PCBs (mg/kg)	Aroclor 1254	0.01	> 50 (TSCA PCB Waste)
TR-02-SS	PCBs (mg/kg)	Aroclor 1254	ND	> 50 (TSCA PCB Waste)
TR-03-SS	PCBs (mg/kg)	Aroclor 1254	0.065	> 50 (TSCA PCB Waste)
TR-05-SS	PCBs (mg/kg)	Aroclor 1254	.21	> 50 (TSCA PCB Waste)

AST Area

The concentrations of TPH (VOCs and SVOCs) detected in the Battery 113 AST removal area are of little concern, and do not pose sufficient hazard to warrant further removal action. The only compound detected above the most stringent NYSDEC criteria (acetone) is not related to petroleum compounds and is a common laboratory contaminant. The level of constituents remaining are not a health threat based on the use of this area. Renova recommended no further action in the AST removal area of Battery 113.

Transformer Area

The concentration of PCB contamination detected the Battery 113 transformer removal area exceeded the TSCA level of 50 ppm in some portions of the floor. Based on the results of the core sampling, removal of the top two inches (2") of PCB-impacted concrete in the former transformer area was recommended.

Renova prepared analytical tables and a memorandum summarizing the concrete core and sub-slab soil sampling activities, which provides an overview of the work completed, sampling results, and removal recommendations. The Battery 113 Removal Recommendation Memo has been included as **Appendix K**.

4.4.3 Limited PCB-Concrete Removal

Following the concrete core and sub-slab soil sampling event, analytical lab results were assessed and Renova recommended removal of the top two inches (2") of PCB-impacted concrete in the transformer removal area within Battery 113.

On October 18, 2021, Renova mobilized to the Camp Hero Site to complete the recommended concrete removal work. Chipping guns affixed with steel bits were utilized to remove chips of surficial concrete from the concrete floor, however, this removal strategy was inefficient and largely ineffective in achieving the required extent of concrete removal.

This removal method has successfully been completed by Renova in the past, however, after discussion with the USACE it was determined that the concrete floor within Battery 113 had been installed using very high strength concrete which exceeds conventional concrete specifications. Concrete amendments in the form of metal rebar, wire mesh, and large aggregate stones were encountered during core drilling and concrete chipping activities. Additionally, it is assumed that the concrete floor within Battery 113 is approximately 80 years old, further contributing to its increased strength.

Removal of visual staining was achieved, however, the intended two inch (2") concrete removal depth could not be reached using this removal strategy. Renova collected surficial wipe samples from the concrete removal areas, with sample locations ranging in depth from 1.5-inches to 0.75-inches (1.5"-0.75") below the original concrete surface.

Renova has prepared a memorandum summarizing the PCB-concrete removal activities to date. The Battery 113 Removal Recommendation Revision Memo has been included as **Appendix L**.

Based on the sampling results, Renova recommends full depth removal of the PCB-impacted concrete material at the transformer removal area within Camp Hero Battery 113.

4.4.4 Complete PCB-Concrete Removal

Following the limited PCB-concrete removal completed during October 2021 and assessment of the analytical sample results, it was confirmed that PCB-impacted concrete remained at the Former Camp Hero site at the transformer removal area within Battery 113. Renova personnel mobilized to site on May 9, 2022 to achieve full depth removal of the contaminated concrete.

Renova personnel removed the PCB-impacted concrete from the transformer removal area within Battery 113 through the use of pneumatic jackhammers equipped with chisels and spades. The jackhammers were supplied pressurized air by a compressor staged outside of Battery 113, and sufficient hose to reach the concrete removal area.

Adequate dust-suppression was achieved during concrete removal activities via continual mist from pressurized water sprayers. Appropriate PPE and dust-masks were worn at all times, and air quality was monitored continually for the duration of all concrete removal activities.

The concrete spoils were collected from the transformer removal area, transported to the staging area via buckets and wheelbarrows, and secured in an approved container for transportation offsite and proper disposal. In total, approximately 5.2 tons of PCB-impacted concrete material was removed from the former transformer area within Battery 113 and transported offsite for proper disposal. The PCB-impacted concrete disposal manifest is included as **Appendix M**. A photo log of the disposal activities is included as **Appendix N.**

Following completion of the concrete removal actions, the work area was fully restored with new concrete material in kind. Concrete with a strength of 4,000 pounds-per-square-inch (PSI) was installed with (6” x 6”) wire mesh in the transformer removal area. Restoration of the concrete floor was achieved with the use of a concrete pump and sufficient hose to reach the transformer removal area.

4.4.5 Removal of Existing Construction and Demolition (C&D) Debris

Following complete removal and restoration of concrete at the transformer removal area within Battery #113, Renova was contracted by USACE to remove and dispose of pre-existing construction and demolition (C&D) debris from a separate room located within Battery #113. From October 11 to October

12, 2022, Renova personnel mobilized to site to safely remove and dispose of the C&D debris from Battery #113.

Continuous air monitoring was conducted in the work area using QRAE II Multi-Gas detector and pDR-1000AN dust monitor instruments to ensure sufficient air quality was maintained. Additionally, N95 dust-masks were donned by all personnel entering the work area. Each piece of debris was inspected carefully before it was disturbed to minimize the spread of mold and/or other hazardous substances.

The debris was transported out of Battery #113 through the use of shovels and wheelbarrows and was loaded into a 20-yard dumpster container for disposal. Following removal of all C&D debris pieces, the work area was carefully swept clean of any smaller particles from the debris pile.

The 20-yard dumpster container was removed from site on October 13, 2022. Documentation of the C&D debris disposal has been included as **Appendix O**.

5.0 CONCLUSIONS

Renova has completed removal actions and associated work under contract option tasks at the Former Camp Hero site at the direction of the USACE. Prior to removal actions, waste characterization sampling was conducted in order to determine a disposal plan for each material to be removed from site based on results of lab analyses, as well as local, state, and Federal disposal regulations. Following waste characterization sampling, Renova personnel mobilized to site to complete contracted removal actions within the Former Camp Hero Building 10, Building 107, and Battery 113.

Removal actions included the removal and disposal of hazardous materials from Building 10, removal and disposal of four (4) transformers and their contents from Building 107, removal and disposal of two (2) Aboveground Storage Tanks (ASTs) and three (3) transformers and their associated contents from Battery 113, as well as cleaning and sampling of all removal action work areas.

Sampling results following the removal action work indicated the presence of PCB-impacted concrete in the transformer removal area within Battery 113. Accordingly, Renova returned to the FCH site to collect concrete core samples in order to fully delineate the horizontal and vertical extents of contamination and fully characterize the media for recommended extents of removal. It was determined that the top two inches (2”) of concrete in the transformer removal area has been impacted by PCBs to the extent that removal is required.

Renova returned to site to remove the impacted concrete in the transformer removal area using chipping guns affixed with steel bits. The concrete floor in the transformer removal area was installed approximately 80 years ago using very high strength concrete beyond conventional specifications, and was significantly amended with metal rebar, wire mesh, and large aggregate stones. As a result, the chipping guns were ineffective in achieving the extent of concrete removal required.

Following limited PCB-concrete removal, Renova personnel mobilized to the FCH site to achieve full depth removal of the contaminated concrete at the transformer removal area within Battery 113. Renova personnel removed the PCB-impacted concrete utilizing pneumatic jackhammers equipped with chisels and spades. The concrete spoils were collected and secured in an approved container for transportation offsite and proper disposal. In total, approximately 5.2 tons of PCB-impacted concrete material was removed from the former transformer area within Battery 113. Following completion of the concrete removal actions, the work area was fully restored with new concrete material in kind.

All work at the Former Camp Hero site under contract # W912WJ20C0008 has been completed. All fuel tanks, electrical transformers, associated components, hazardous materials, PCB-impacted concrete, and sources of contamination in Battery 113, Building 107 and Building 10, as described in NYSDEC's 2019 letter regarding RI Report comments have been removed and properly disposed. No further investigation or remediation of the work areas at the Former Camp Hero site is recommended at this time.

FIGURES

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
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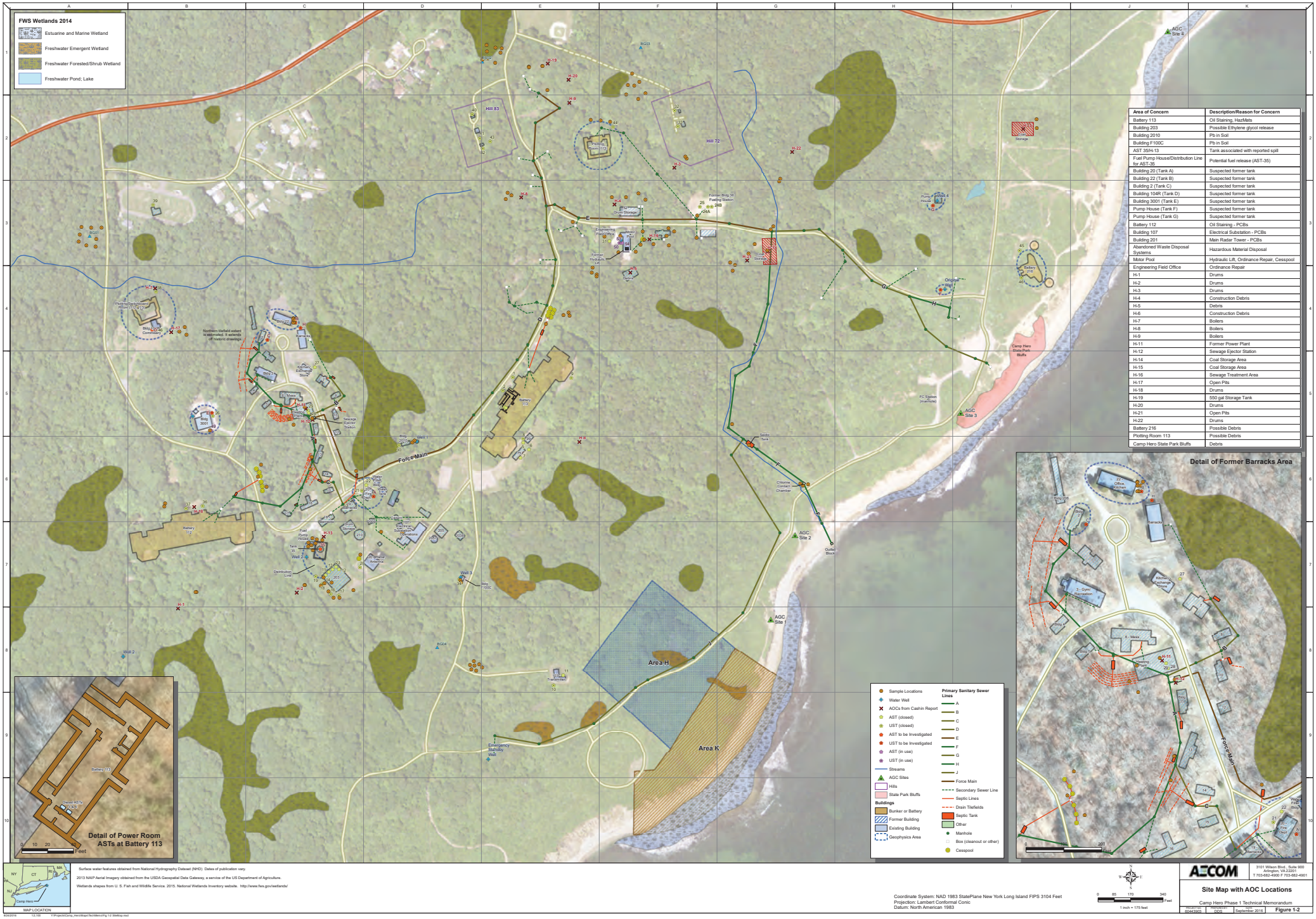
General Location Map

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
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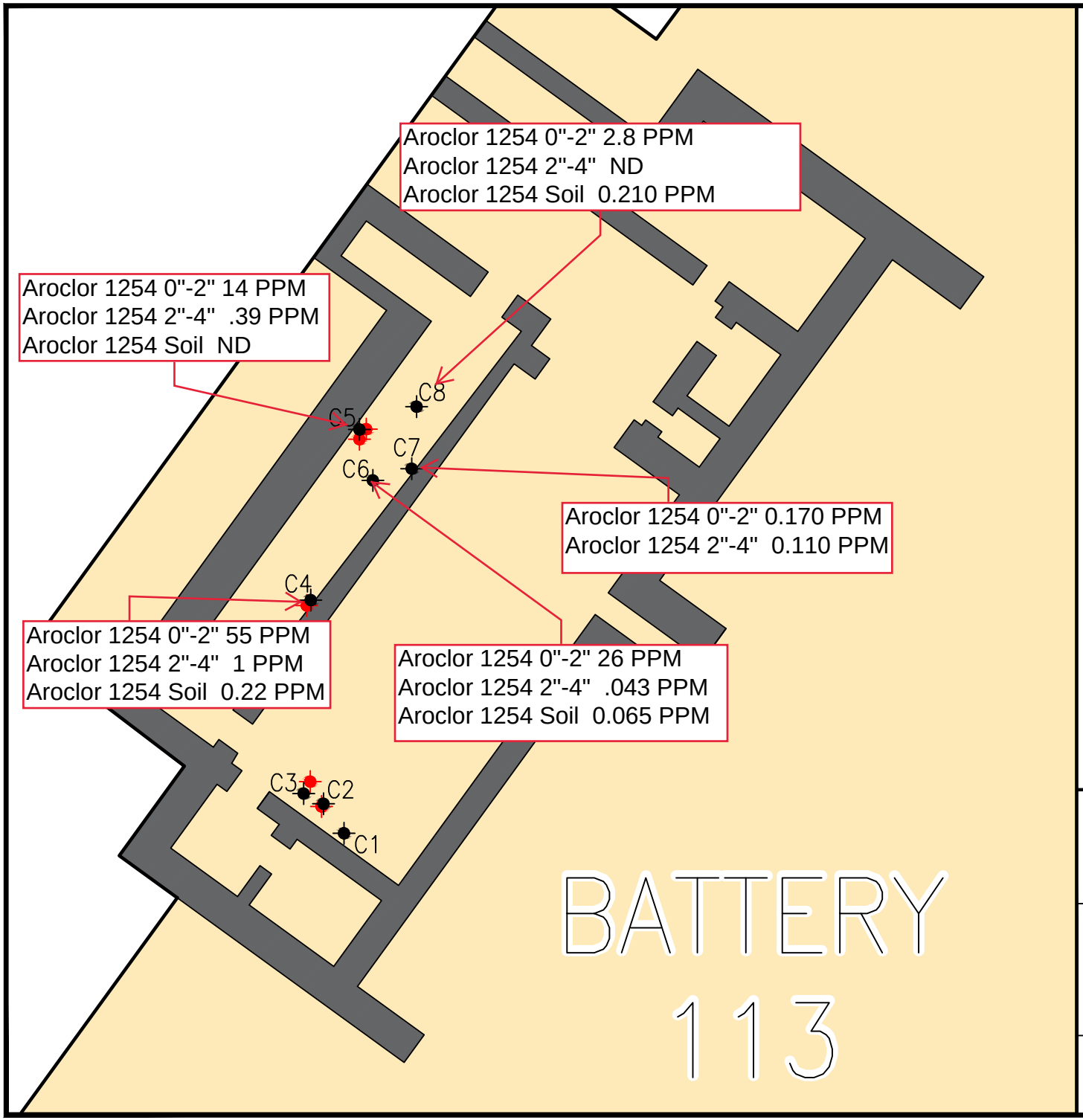
Site Map with AOC Locations
Camp Hero Phase 1 Technical Memorandum
Project No. 60443923
Drawn By DDS
Date September 2016
Figure 1-2



north

LEGEND:

- CHIP SAMPLE (APPROXIMATE LOCATION)
- CONCRETE CORE SAMPLE (APPROXIMATE LOCATION)

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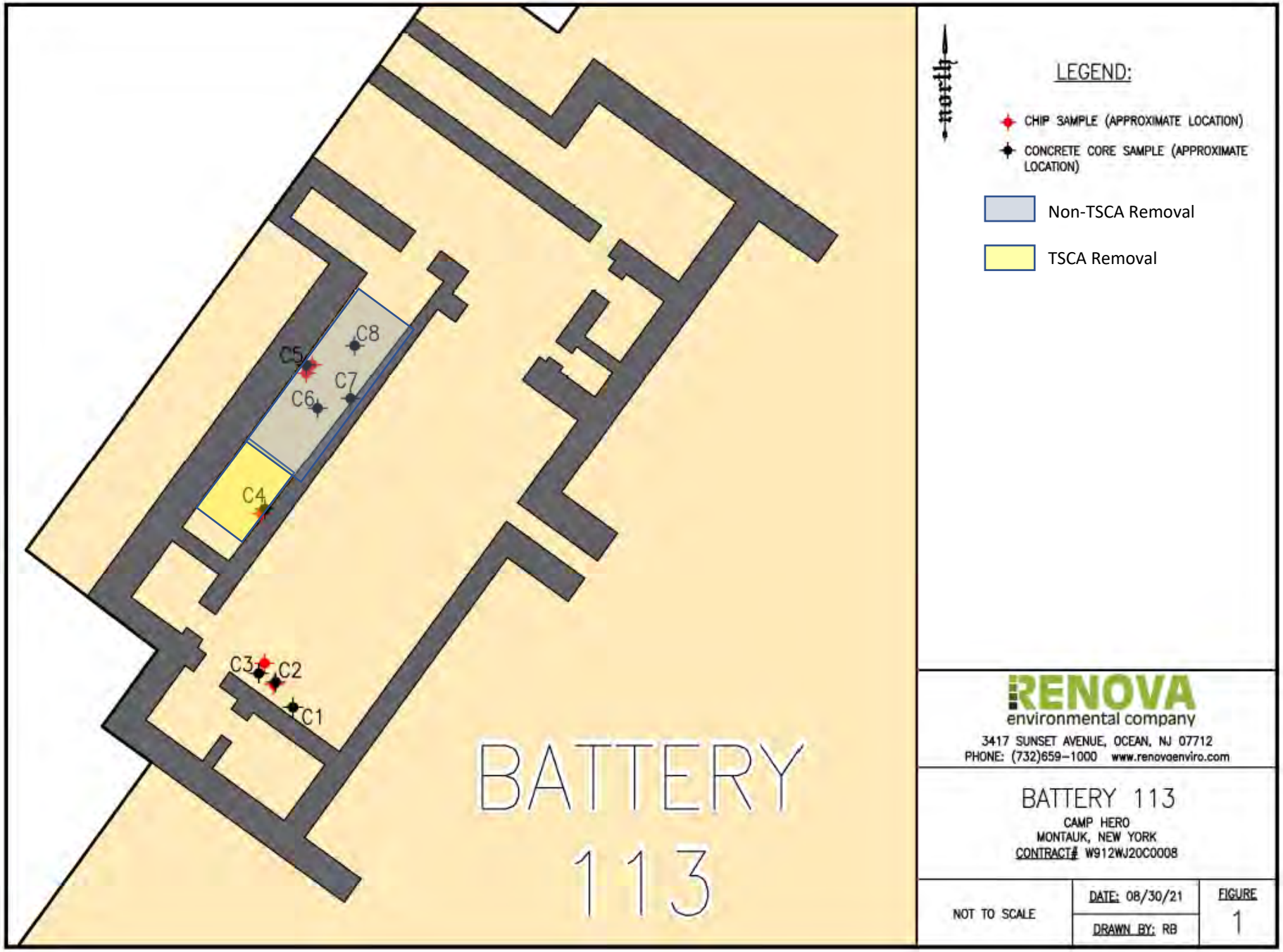
BATTERY 113

CAMP HERO
MONTAUK, NEW YORK
CONTRACT# W912WJ20C0008

NOT TO SCALE	DATE: 08/30/21	FIGURE 1
	DRAWN BY: RB	


north
LEGEND:
CHIP SAMPLE (APPROXIMATE LOCATION)
CONCRETE CORE SAMPLE (APPROXIMATE LOCATION)
Non-TSCA Removal
TSCA Removal
C1
C2
C3
C4
C5
C6
C7
C8
BATTERY
113
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BATTERY 113
CAMP HERO
MONTAUK, NEW YORK
CONTRACT# W912WJ20C0008
NOT TO SCALE
DATE: 08/30/21
DRAWN BY: RB
FIGURE
1

north

LEGEND:

- WIPE SAMPLE (APPROXIMATE LOCATION)
- LOCAL ROAD
- FORMER BUILDING
- APPROXIMATE AREA OF HAZARDOUS MATERIAL STORAGE
- APPROXIMATE AREA OF FLOOR TILE REMOVAL AND POWER WASHING

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BUILDING 10
REMOVAL ACTIONS

CAMP HERO
MONTAUK, NEW YORK
CONTRACT# W912WJ20C0008

NOT TO SCALE

DATE: 05/17/23

DRAWN BY: BI

FIGURE
5

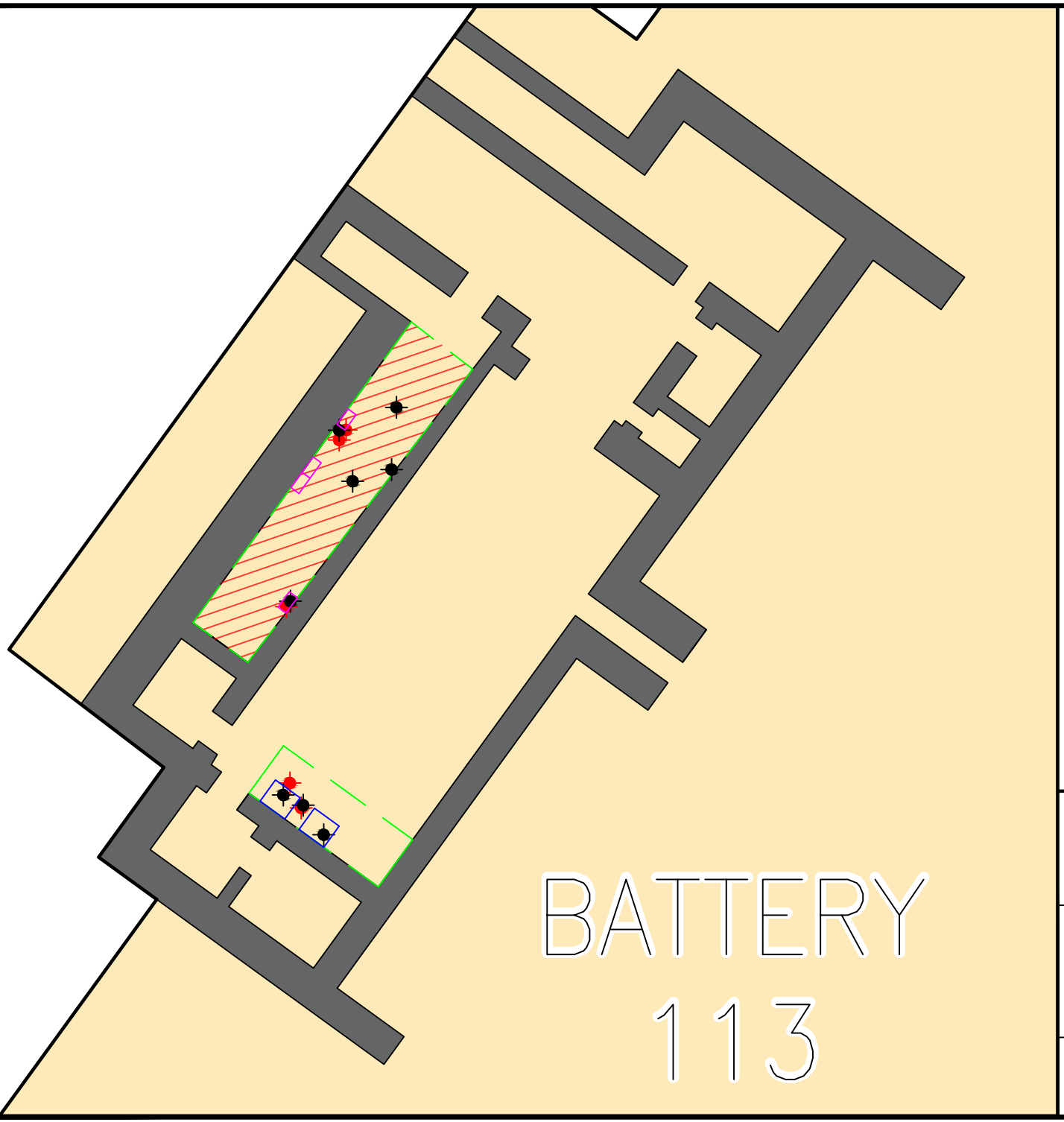
MAP LOCATION

NOT TO SCALE

RENOVA environmental company

BUILDING 107 REMOVAL ACTIONS

PROJECT NO:	PREPARED BY:	DATE:	FIGURE 6
#W912WJ20C0008	BI	05/17/23	



north

LEGEND:

- CHIP SAMPLE (APPROXIMATE LOCATION)
- CONCRETE CORE SAMPLE (APPROXIMATE LOCATION)
- FORMER WALL MOUNTED AST (APPROXIMATE LOCATION)
- FORMER TRANSFORMER LOCATION (APPROXIMATE LOCATION)
- APPROXIMATE AREA OF CONCRETE REMOVAL
- APPROXIMATE AREA OF POWER WASHING

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BATTERY 113 REMOVAL ACTIONS

CAMP HERO
MONTAUK, NEW YORK
CONTRACT# W912WJ20C0008

NOT TO SCALE	DATE: 05/17/23	FIGURE 7
	DRAWN BY: BI	

APPENDIX A

Waste Characterization Memo

RENOVA
environmental services

Date: January 26, 2021

To: Julie Rupp
US Army Corps of Engineers
New England District

From: Tom Bykow
Renova Environmental Services, LLC

Re: Waste Characterization and Disposal
Camp Hero, Montauk, New York
FUDS Project Number: C02NY002403
NAE Project Number: 452115

Renova Environmental Services, LLC (Renova) prepared this memorandum to summarize the results of the waste characterization sampling performed for Buildings 10, 107, and 113 located at the Camp Hero Site, in Montauk, New York. The work was performed following the scope of work outlined in Task 4.3.2 Waste Characterization Sampling of the Performance Work Statement (PWS) dated June 8, 2020. The following provides an overview of the sampling scope of work; summary of waste characterization results; summary of waste determinations, by media, for each building; and waste disposal recommendations.

1.0 SCOPE OF WORK

On August 26, 2020, Renova mobilized to the Camp Hero Site and collected samples from various media within Buildings 10, 107, and Bunker 113 to characterize the media for disposal in support of this removal action. Table 1 below provides a summary, by structure, of the actual media that was sampled, the sample type, and the laboratory analysis performed on that sample type. The collected samples were delivered to Integrated Analytical Laboratories, LLC (IAL), located in Randolph, New Jersey, on the day of sample collection. Renova received the laboratory results in September, 2020. On January 11, 2021, Renova collected additional samples from the contents within the two transformers located in Bunker 113. The collected samples were delivered to Analytical Testing Technologies (ATT) on January 13, 2021. Renova received the additional laboratory results in January, 2021. Seven bags of debris within Bunker 113, which contain

shingles, are assumed to be asbestos containing material (ACM) and were not sampled as part of the site visits.

Table 1
Summary of Waste Characterization Sampling

Structure	Media	Sample Type	Analyses
Building 10	Container fluids	Liquid	Volatile organic compounds (VOCs), toxicity characteristic leaching procedure (TCLP) VOCs, TCLP semi-VOCs (SVOCs), polychlorinated biphenyls (PCBs), TCLP pesticides, TCLP herbicides, total petroleum hydrocarbons diesel range organics (TPH-DRO), TCLP metals, corrosivity, ignitibility, and flash point
	Wall stains near containers	Wipe	PCBs
	Unknown solid waste under containers stored on the floor	Sludge	VOCs, TCLP VOCs, TCLP SVOCs, PCBs, TCLP pesticides, TCLP herbicides, TPH-DRO, TCLP metals, corrosivity, ignitibility, and flash point
Building 107	Surfaces of electrical components	Wipe	PCBs
	Floor stains near electrical components	Concrete Chip	TCLP VOCs, TCLP SVOCs, PCBs, TCLP pesticides, TCLP herbicides, and TCLP metals
Bunker 113	ASTs supply line fluids	Liquid	VOCs, TCLP VOCs, TCLP SVOCs, TCLP pesticides, TCLP herbicides, TPH-DRO, lead, TCLP metals, corrosivity, ignitibility, and flash point
	Surfaces of electrical components	Wipe	PCBs
	Wall stains near ASTs	Wipe	Lead
	Wall stains near electrical components	Wipe	PCBs
	Concrete stains near ASTs	Concrete Chip	TCLP VOCs, TCLP SVOCs, TCLP pesticides, TCLP herbicides, TPH-DRO, and TCLP metals
	Floor stains near electrical components	Concrete Chip	TCLP VOCs, TCLP SVOCs, PCBs, TCLP pesticides, TCLP herbicides, and TCLP metals
	Bagged debris with roof shingles	—	Assumed to be ACM and were not sampled
	ASTs fluids	Liquid	PCBs

2.0 WASTE CHARACTERIZATION RESULTS

The following provides a summary of the laboratory detections by structure, along with the associated regulatory criteria.

2.1 Building 10 – Waste Characterization Results

Tables 2 and 3 provide a summary of the detections for the samples collected from Building 10, with the corresponding laboratory sampling results provided in Attachment 1.

2.1.1 Building 10 – Containers Liquid Samples

Five (5) liquid samples, CH-WC-39, 40, 46, 47, and 48, and a composite sample, Composite CH-WC-41-45, were collected from containers labeled Skydrol 500 B4 located in Building 10. Table 2 provides a summary of the laboratory detections for the liquid samples collected from within Building 10.

Table 2
Building 10 – Laboratory Detections in Container Liquid Samples

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
CH-WC-39	VOCs (mg/Kg)	Toluene	56.9	Not a regulated waste, probable oil
	sVOCs (mg/Kg)	4-Methylphenol	51.0	
	TPH – DRO (mg/Kg)		681,000	
	TCLP Metals (mg/L)	Barium Cadmium Chromium Lead	0.115 **1.03** 2.59 **12.0**	100.0 **1.0 (Hazardous)** 5.0 **5.0 (Hazardous)**
	pH		5.7	≤ 2 or ≥ 12.5
CH-WC-40	VOCs (mg/Kg)	Toluene	60.9	Not a regulated waste, probable oil
	sVOCs (mg/Kg)	4-Methylphenol	46.3	
	TPH – DRO (mg/Kg)		600,000	
	TCLP Metals (mg/L)	Arsenic Barium Cadmium Chromium Lead	0.085 J 2.64 0.407 3.19 **6.56**	5.0 100.0 1.0 5.0 **5.0 (Hazardous)**
	pH		5.5	≤ 2 or ≥ 12.5

Table 2 (Continued) Building 10 – Laboratory Detections in Container Liquid Samples				
Sample ID	**Analytical Parameter**	**Constituent**	**Analytical Results**	**Regulatory Criteria**
CH-WC-46	VOCs (mg/Kg)	Toluene	62.8	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	42.9	
	TPH – DRO (mg/Kg)		649,000	
	TCLP Metals (mg/L)	Barium Cadmium Chromium Lead	0.089 0.781 2.53 **6.68**	100.0 1.0 5.0 **5.0 (Hazardous)**
	pH		5.5	≤ 2 or ≥ 12.5
CH-WC-47	VOCs (mg/Kg)	Toluene	67.8	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	48.9	
	TPH – DRO (mg/Kg)		614,000	
	TCLP Metals (mg/L)	Barium Cadmium Chromium Lead	0.075 **2.11** 0.198 **7.77**	100.0 **1.0 (Hazardous)** 5.0 **5.0 (Hazardous)**
	pH		5.56	≤ 2 or ≥ 12.5
CH-WC-48	VOCs (mg/Kg)	Toluene	62.0	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	46.2	
	TPH – DRO (mg/Kg)		644,000	
	TCLP Metals (mg/L)	Barium Cadmium Chromium Lead	0.094 0.510 **5.15** **15.2**	100.0 1.0 **5.0 (Hazardous)** **5.0 (Hazardous)**
	pH		5.42	≤ 2 or ≥ 12.5
Composite CH-WC-41-45	VOCs (mg/Kg)	Toluene	65.3	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	50.8	
	TPH – DRO (mg/Kg)		672,000	
	TCLP Metals (mg/L)	Barium Cadmium Chromium Lead	0.058 0.601 3.94 5.09	100.0 1.0 5.0 **5.0 (Hazardous)**
	pH		5.70	≤ 2 or ≥ 12.5

Building 10 – Containers Liquid Samples Waste Determination

Based on the laboratory detections presented in Table 2-1, all of the collected liquid samples are considered a RCRA hazardous waste as the result of the TCLP results for at least one of the detected metals.

2.1.2 Building 10 – Wall Wipe Samples Near Containers

Three (3) wipe samples, CH-WC-49, 50, and 51, and a field duplicate, Field Duplicate 1, were collected from walls near the containers in Building 10. The laboratory results were below the detection limit of 0.050 for the analyzed PCBs, in the units of ug/100 cm^2. The decontamination criteria for non-porous surfaces is ≤ 10 ug/100 cm^2.Table 2a provides a summary of the laboratory detections for the wipe samples collected from Building 10.

Table 2a
Building 107 – Laboratory Detections in Wipe Samples
Electrical Components Surfaces

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
CH-WC-49	PCBs (ug/100 cm^2)		ND	> 10
CH-WC-50	PCBs (ug/100 cm^2)		ND	> 10
CH-WC-51	PCBs (ug/100 cm^2)		ND	> 10
Field Duplicate 1	PCBs (ug/100 cm^2)		ND	> 10

Building 10 – Wall Wipe Samples Waste Determination

The wall material, represented by the wipe samples, is considered non-hazardous and not a TSCA regulated waste.

2.1.3 Building 10 – Floor Solid Sludge Samples Near Containers

Five (5) solid sludge samples, CH-WC-52 through 56, were collected from the observed solid waste that was present under containers stored on the floor in Building 10. Table 3 provides a summary of the laboratory detections for the solid sludge samples collected from within Building 10.

Table 3
Building 10 – Laboratory Detections in Floor Solid Sludge Samples

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
CH-WC-52	VOCs (mg/Kg)	2-Hexanone	892	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	0.207	
	TPH – DRO (mg/Kg)		90,600	
	TCLP Metals (mg/L)	Barium Cadmium	0.247 0.850	100.0 1.0
	pH		7.17	≤ 2 or ≥ 12.5

CH-WC-53	VOCs (mg/Kg)	Methyl Acetate	1.18	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	0.235	
	TPH – DRO (mg/Kg)		61,200	
	TCLP Metals (mg/L)	Barium Cadmium	0.430 0.558	100.0 1.0
	pH		7.22	≤ 2 or ≥ 12.5
CH-WC-54	VOCs (mg/Kg)	2-Hexanone	70.9	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	0.151	
	TPH – DRO (mg/Kg)		729,000	
	TCLP Metals (mg/L)	Barium Cadmium	0.696 **1.31**	100.0 **1.0 (Hazardous)**
	pH		7.39	≤ 2 or ≥ 12.5
Sample ID	**Analytical Parameter**	**Constituent**	**Analytical Results**	**Regulatory Criteria**
CH-WC-55	VOCs (mg/Kg)	2-Hexanone	529	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	0.110	
	TPH – DRO (mg/Kg)		104,000	
	TCLP Metals (mg/L)	Barium Cadmium	0.416 0.863	100.0 1.0
	pH		7.50	≤ 2 or ≥ 12.5
CH-WC-56	VOCs (mg/Kg)	Methyl Acetate	0.657	Probable Used Oil
	sVOCs (mg/Kg)	4-Methylphenol	0.256	
	TPH – DRO (mg/Kg)		64,600	
	TCLP Metals (mg/L)	Cadmium	0.375	1.0
	pH		7.50	≤ 2 or ≥ 12.5

Building 10 – Floor Solid Sludge Waste Determination

Based on the laboratory detections presented in Table 3, all of the collected floor solid sludge samples are considered non-hazardous waste, with the exception of the media represented by sample CH-WC-54. Cadmium was detected in sample CH-WC-54, above the indicated TCLP regulatory criteria; thus the sampled media is considered a RCRA hazardous waste.

2.2 Building 107 – Waste Characterization Results

Tables 4 and 5 provide a summary of the detections for the samples collected from Building 107, with the corresponding laboratory sampling results for the samples collected from Building 107.

2.2.1 Building 107 – Electrical Components Surfaces Wipe Samples

Three (3) wipe samples, CH-WC-33 through 35, and a field duplicate, Field Duplicate 1, were collected from product leaks on the surface of electrical components in Building 107. Table 4 provides a summary of the laboratory detections for the wipe samples collected from Building 107.

Table 4
Building 107 – Laboratory Detections in Wipe Samples
Electrical Components Surfaces

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
CH-WC-33	PCBs (ug/100 cm^2)	Aroclor 1254	0.260	> 10
CH-WC-34	PCBs (ug/100 cm^2)	Aroclor 1254	0.307	> 10
CH-WC-35	PCBs (ug/100 cm^2)	Aroclor 1254	0.155	> 10
Field Duplicate 1	PCBs (ug/100 cm^2)	Aroclor 1254	0.311	> 10

Building 107 – Electrical Components Surfaces Wipe Samples Waste Determination

The material represented by the wipe samples is considered non-hazardous and not a TSCA regulated waste.

2.2.2 Building 107 – Floor Stains Near Electrical Components Concrete Chip Samples

Three 3 concrete chip samples were collected from floor stains near the electrical components in Building 107 and were then composited into a single concrete chip sample, COMP CH-WC-36-37-38, for laboratory analysis. Table 5 provides a summary of the laboratory detections for the composite concrete chip sample collected from within Building 107.

Table 5
Building 107 – Laboratory Detections in Composite Concrete Chip Sample
Floor Stains Near Electrical Components

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
COMP CH-WC-36-37-38	PCBs (ug/100 cm^2)	Aroclor 1254	0.506	> 10
	TCLP Metals (mg/L)	Barium	0.509	100.0

Building 107 – Floor Stains Near Electrical Components Chip Sample Waste Determination

The material represented by the concrete composite chip sample is considered non-hazardous and not a TSCA regulated waste.

2.3 Bunker 113 – Waste Characterization Results

Tables 6 through 12 provide a summary of the laboratory detections for the samples collected from Bunker 113, with the corresponding laboratory sampling results provided in Attachment 3.

2.3.1 Bunker 113 – AST Supply Line Liquid Samples

Table 6 provides a summary of the laboratory detections for the liquid sample, CH-WC-02, which was collected from the supply line for the ASTs located in Bunker 113.

Table 6
Bunker 113 – Laboratory Detections in AST Supply Line Liquid Sample

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
CH-WC-02	VOCs (mg/L)	Benzene, Toluene Total Xylenes	223 283 2,020	Probable Fuel
	TPH – DRO (mg/L)		830,000	
	Metals (mg/L	Lead	1.21	
	TCLP Metals (mg/L)	Chromium	0.277	
	Flash Point (°C)		74.2	< 60 °C
	Oils & Grease (mg/Kg)		549,000	5.0

Bunker 113 – AST Supply Line Liquid Sample Waste Determination

The material represented by the liquid sample is considered a non-hazardous waste.

2.3.2 Bunker 113 – Electrical Components Surface Wipe Samples

Table 7 provides a summary of the laboratory detections for the three wipe samples, CH-WC-08 through 10, collected from surfaces of the electrical components. Table 8 provides a summary of the three wipe samples, CH-WC-11 through 13, collected from wall stains near the ASTs. Table 9 provides a summary of the three (3) wipe samples, CH-WC-14 through 16, collected from wall stains near the electrical components.

Table 7
Bunker 113 – Laboratory Detections in Wipe Samples
Electrical Components Surfaces

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
CH-WC-08	PCBs (ug/100 cm^2)	Aroclor 1254	**15.3**	**> 10 (TSCA PCB Waste)**
CH-WC-09	PCBs (ug/100 cm^2)	Aroclor 1254	**76.0**	**> 10 (TSCA PCB Waste)**

CH-WC-10	PCBs (ug/100 cm^2)	Aroclor 1254	**88.5**	**> 10 (TSCA PCB Waste)**

Bunker 113 – Surface of Electrical Components Wipe Samples Waste Determination

The surfaces represented by the wipe samples are above the decontamination criteria for non-porous surfaces of > 10 ug/100 cm^2 and are considered a TSCA PCB contaminated waste.

Table 8
Bunker 113 – Laboratory Detections in Wipe Samples
Wall Stains Near ASTs

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
CH-WC-11	Metals (ug/100 cm^2)	Lead	365	> 27
CH-WC-12	Metals (ug/100 cm^2)	Lead	95.4	> 27
CH-WC-13	Metals (ug/100 cm^2)	Lead	368	> 27
FIELD DUPLICATE 1	Metals (ug/100 cm^2)	Lead	75.3	> 27

Bunker 113 – Wall Stains Near the ASTs Wipe Samples Waste Determination

The material represented by the wipe samples indicates the potential presence of lead-based paint and may not be associated with the stains from the ASTs. The referenced regulation is USEPA clearance standards for maximum allowable residual lead criteria of 250ug/ft^2 for interior window sills, which equates to 27ug/100 cm^2 and 40ug/ft^2 for floors, which equates to 4.3ug/100 cm^2.

Table 9
Bunker 113 – Laboratory Detections in Wipe Samples
Wall Stains Near Electrical Components

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
CH-WC-14	PCBs (ug/100 cm^2)	Aroclor 1254 Aroclor 1262 Total PCBs	1.78 2.21 3.99	> 10
CH-WC-15	PCBs (ug/100 cm^2)	Aroclor 1254 Aroclor 1262 Total PCBs	1.97 1.88 3.83	> 10
CH-WC-16	PCBs (ug/100 cm^2)	Aroclor 1254 Aroclor 1262 Total PCBs	**12.1** 8.10 **20.2**	**> 10 (TSCA PCB Waste)**
FIELD DUPLICATE 1	PCBs (ug/100 cm^2)	Aroclor 1254 Aroclor 1262 Total PCBs	**16.0** 6.92 **22.9**	**> 10 (TSCA PCB Waste)**

Bunker 113 – Stains Near Electrical Components Wipe Samples Waste Determination

The material represented by the wipe sample CH-WC-16 and FIELD DUPLICATE 1 are above the decontamination criteria for non-porous surfaces of > 10 ug/100 cm^2 and are considered a TSCA PCB contaminated waste.

2.3.3 Bunker 113 – Floor Stains Near ASTs Concrete Chip Samples

Concrete chip samples, CH-WC-17 through 19, were collected from floor stains near the ASTs, which samples were composited into a single concrete chip sample, COMP CH-WC-17 – CH-WC-19, for laboratory analysis. Table 10 provides a summary of the laboratory detections for the AST floor stain concrete chip composite sample. These concrete samples were collected within Bunker 113.

Table 10
Bunker 113 – Laboratory Detections in Concrete Composite Chip Sample
Floor Stains Near ASTs

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
COMP CH-WC-17 – CH-WC-19	TPH – DRO (mg/Kg)		18,300	Probable Used Oil
	TCLP Metals (mg/L)	Barium	0.656	100.0

Bunker 113 – Floor Stains Near ASTs Concrete Chip Samples Waste Determination

The material represented by composite chip sample is considered a non-hazardous waste.

2.3.4 Bunker 113 – Floor Stains Near Electrical Components Concrete Chip Samples

The concrete chip samples, CH-WC-20 through 22, collected from the floor stain near the electrical components, were composited into a single concrete chip sample, COMP CH-WC-20 – CH-WC-22, for laboratory analysis. Table 11 provides a summary of the laboratory detections for the electrical components floor stain concrete chip composite sample. These concrete samples were collected within Bunker 113.

Table 11
Bunker 113 – Laboratory Detections in Concrete Composite Chip Sample
Floor Stains Near Electrical Components

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria

COMP CH-WC-20 – CH-WC-22	PCBs (mg/Kg)	Aroclor 1254	**135**	**> 50 (TSCA PCB Waste)**
	TCLP Metals (mg/L)	Barium Lead	0.679 0.222	100.0 5.0

Bunker 113 – Floor Stains Near Electrical Components Concrete Chip Samples Waste Determination

The material represented by composite chip sample is considered a TSCA PCB waste.

2.3.5 Bunker 113 – Bags of Demolition Debris

Seven bags of debris within Bunker 113, which contain roof shingles, are assumed to be asbestos containing material (ACM), and were not sampled as part of August 26, 2020 site visit.

2.3.6 Bunker 113 – Transformers Contents Liquid Samples

Table 12 provides a summary of laboratory detections for samples T2311 through T2313, which were collected from the liquid contents within the two transformers and a switch in Bunker 113.

Table 12
Bunker 113 – Laboratory Detections in Transformers Liquid Content Samples

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
T2311	PCBs (mg/L)	Aroclor 1260	1	> 50
T2312	PCBs (mg/L)	Aroclor 1260	2	> 50
T2313	PCBs (mg/L)	Aroclor 1260	5	> 50

Bunker 113 – Transformers Content Liquid Samples Waste Determination

The material represented by liquid samples are not considered a TSCA PCB waste.

3.0 WASTE DETERMINATION SUMMARY

The following provides a summary of the waste determinations, by building and sampled media.

3.1 Building 10 – Waste Determination Summary

- Containers Liquid Contents (Table 2): RCRA hazardous waste
- Wall Surfaces Near Containers: Non-hazardous; not a TSCA regulated waste.
- Floor Solid Sludge Near Containers (Table 3): Non-hazardous waste, with the exception of CH-WC-54, which is a RCRA hazardous waste due to cadmium detected in exceedance of the TCLP regulatory criteria.

3.2 Building 107 – Waste Determination Summary

- Electrical Components Surfaces (Table 4): Non-hazardous; not a TSCA regulated waste. However, the electrical components were sealed and, due to their assumed age, they will be disposed of as a TSCA regulated waste.
- Concrete Floor Stains Near Electrical Components (Table 5): Non-hazardous; not a TSCA regulated waste.

3.3 Bunker 113– Waste Determination Summary

- AST Supply Line Liquid (Table 6): Non-hazardous waste.
- Electrical Components Surfaces (Table 7): TSCA PCB waste.
- Wall Stains Near ASTs (Table 8): Potential presence of lead-based paint may not be associated with the stains from the ASTs.
- Wall Stains Near Electrical Components (Table 9): TSCA PCB waste.
- Floor Stains Near ASTs (Table 10): Non-hazardous waste.
- Floor Stains Near Electrical Components (Table 11): TSCA PCB waste.
- Bags of Debris: Assumed to be ACM.
- Transformers Contents (Table 12): Not a TSCA PCB waste.

4.0 WASTE DISPOSAL RECOMMENDATIONS

Table 13 provides the waste disposal recommendations for the PWS media characterized in Building 10, Building 107 and Bunker 113.

Based on the USEPA Small Quantity Generators (SQG) Program's disposal regulations, this event is within the monthly allowable disposal limit of **1,000kg** of RCRA Hazardous wastes. In review of the waste characterization sampling results, the only items that would be subject to the SQG program are the containerized liquids and the sludge on the floor under the containers, both within Building 10. The estimated quantity for the RCRA hazardous waste portion of this disposal event is anticipated to be approximately **486kg** and well within the monthly disposal threshold. The other materials for disposal as part of the PWS are not considered RCRA hazardous wastes and, as such, are not subject to the disposal reporting requirements for an SQG.

Waste Disposal Recommendations				
Location	**Material**	**Type of Waste**	**Assumed Quantity Packaging**	**Waste Disposal Recommendations**
Building 10	Containers Liquid Contents	RCRA hazardous waste.	Two (2) 55-gallon Drum	Dispose as RCRA hazardous waste at Veolia Environmental Services in Wantagh, NY.
	Floor Solid Sludge	RCRA hazardous waste.	Two (2) 5-gallon Pails	Dispose as RCRA hazardous waste at Veolia Environmental Services in Wantagh, NY
	Wall Staining	Non-Hazardous	Two (2) 55-gallon Drums	Clean wall staining as required in the PWS. Wash water will be collected and assumed to be non-hazardous waste. Dispose at Water Works in Newburgh, NY. Wash water to be tested prior to disposal to confirm waste type.
	Floor Tiles and Mastic	Presumed ACM	Four (4) Bags	Dispose at Waste Management Fairless Landfill in Morrisville, PA.
Building 107	Existing Electrical Components	TSCA	Three (3) Main Units and six (6) Small Capacitors	Dispose at TCI in Pelle City AL.
	Wall Staining and Floor	Non-Hazardous	One (1) 55-gallon Drum	Clean wall staining and floor as required in the PWS. Wash water will be collected and assumed to be non-hazardous waste. Dispose at Water Works in Newburgh, NY. Wash water to be tested prior to disposal to confirm waste type.
Bunker 113	AST Supply Line Liquid	Non-Hazardous	Two (2) 55-gallon Drums	Dispose as non-hazardous waste at Water Works in Newburgh, NY
	AST and Associated Steel Piping	Non-Hazardous	20 CY Container	Recycled at Gershow Recycling in Bay Shore, NY.
	Floor and Walls by AST	Non-Hazardous	One (1) 55-gallon Drum	Clean floor and walls as required in the PWS. Wash water will be collected and assumed to be non-hazardous waste. Dispose at Water Works in Newburgh, NY. Wash water to be tested prior to disposal to confirm waste type.
	Transformers Contents	Non-Hazardous/Non-TSCA	One (1) 5-Gallon Pail	Dispose at TCI in Hudson, NY.
	Transformers and Associated Electrical Components	Non-Hazardous/Non-TSCA	Four (4) Transformers and associate electrical components	Dispose at TCI in Hudson, NY.
	Electrical Conduit and Wire	Non-Hazardous	20 CY Container	Recycled at Gershow Recycling in Bay Shore, NY.
	Floor and Walls by Transformers	Non-Hazardous	One (1) 55-gallon Drum	Clean floor and walls as required in the PWS. Wash water will be collected and assumed to be non-hazardous waste. Dispose at Water Works in Newburgh, NY. Wash water to be tested prior to disposal to confirm waste type.
	Bags of ACM Shingles	Presumed ACM	8 Bags	Dispose at Waste Management Fairless Landfill in Morrisville, PA.

Attachment 1

Building 10 – Laboratory Results

Renova Environmental Services
Project Name: CAMP HERO WC - BLDG 10
IAL SDG No:E20-05668

SAMPLE NOTES	Samples CH-WC-49 through CH-WC-51 & Field Duplicate 1 were collected from walls surrounding the containers in Building 10.															
Sample #:		**CH-WC-49**				**CH-WC-50**				**CH-WC-51**				**FIELD DUPLICATE 1**			
Field ID:																	
Lab ID:		**05668-011**				**05668-012**				**05668-013**				**05668-019**			
Date Sampled:		**08/26/2020**				**08/26/2020**				**08/26/2020**				**08/26/2020**			
Depth(ft):																	
	CAS																
PCB's (ug/100cm2)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Aroclor-1016	12674-11-2	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1221	11104-28-2	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1232	11141-16-5	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1242	53469-21-9	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1248	12672-29-6	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1254	11097-69-1	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1260	11096-82-5	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1262	37324-23-5	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1268	11100-14-4	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
PCBs	1336-36-3	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
BOLD Conc	Indicates a concentration that exceeds applicable criteria.																
BOLD RL	Indicates RL that exceeds applicable criteria.																
BOLD MDL	Indicates MDL that exceeds applicable criteria.																
NS = No Standard Available																	
~ = Sample not analyzed for																	
ND = Analyzed for but Not Detected at the MDL																	
J = Concentration detected at a value below the RL and above the MDL for target compounds. For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.																	
D = The compound was reported from the Diluted analysis																	

Standards are based upon published regulatory information.
Users are encouraged to consult appropriate regulatory sources for current values and updates.
IAL assumes no responsibility for the accuracy of these values.

EDD created on 9/16/20

Renova Environmental Services
Project Name: CAMP HERO WC - BLDG 10
IAL SDG No:E20-05668

SAMPLE NOTES		Samples CH-WC-39 through CH-WC-48 & COMP CH-WC-41-45 collected from can labeled "Skydrol 500 B4" in buiding 10. All other cans were empty or unable to be opened for sample collection.																					
Sample #:		CH-WC-39				CH-WC-40				CH-WC-46				CH-WC-47				CH-WC-48				COMP CH-WC-41 - 45			
Field ID:																							
Lab ID:		05668-001				05668-002				05668-008				05668-009				05668-010				05668-020			
Date Sampled:		08/26/2020				08/26/2020				08/26/2020				08/26/2020				08/26/2020				08/26/2020			
Depth(ft):																							
	CAS																						
Volatiles (mg/Kg)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Dichlorodifluoromethane	75-71-8	ND		50.0	24.5	ND		50.0	24.5	ND		50.0	24.5	ND		50.0	24.5	ND		50.0	24.5	ND		50.0	24.5
Chloromethane	74-87-3	ND		25.0	15.9	ND		25.0	15.9	ND		25.0	15.9	ND		25.0	15.9	ND		25.0	15.9	ND		25.0	15.9
Vinyl chloride	75-01-4	ND		50.0	7.45	ND		50.0	7.45	ND		50.0	7.45	ND		50.0	7.45	ND		50.0	7.45	ND		50.0	7.45
Bromomethane	74-83-9	ND		50.0	17.8	ND		50.0	17.8	ND		50.0	17.8	ND		50.0	17.8	ND		50.0	17.8	ND		50.0	17.8
Chloroethane	75-00-3	ND		25.0	19.5	ND		25.0	19.5	ND		25.0	19.5	ND		25.0	19.5	ND		25.0	19.5	ND		25.0	19.5
Trichlorofluoromethane	75-69-4	ND		25.0	22.3	ND		25.0	22.3	ND		25.0	22.3	ND		25.0	22.3	ND		25.0	22.3	ND		25.0	22.3
1,1-Dichloroethene	75-35-4	ND		25.0	20.5	ND		25.0	20.5	ND		25.0	20.5	ND		25.0	20.5	ND		25.0	20.5	ND		25.0	20.5
Acetone	67-64-1	ND		100	97.5	ND		100	97.5	ND		100	97.5	ND		100	97.5	ND		100	97.5	ND		100	97.5
Carbon disulfide	75-15-0	ND		25.0	11.0	ND		25.0	11.0	ND		25.0	11.0	ND		25.0	11.0	ND		25.0	11.0	ND		25.0	11.0
Methylene chloride	75-09-2	ND		50.0	49.5	ND		50.0	49.5	ND		50.0	49.5	ND		50.0	49.5	ND		50.0	49.5	ND		50.0	49.5
trans-1,2-Dichloroethene	156-60-5	ND		25.0	14.1	ND		25.0	14.1	ND		25.0	14.1	ND		25.0	14.1	ND		25.0	14.1	ND		25.0	14.1
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		25.0	13.3	ND		25.0	13.3	ND		25.0	13.3	ND		25.0	13.3	ND		25.0	13.3	ND		25.0	13.3
1,1-Dichloroethane	75-34-3	ND		25.0	9.65	ND		25.0	9.65	ND		25.0	9.65	ND		25.0	9.65	ND		25.0	9.65	ND		25.0	9.65
cis-1,2-Dichloroethene	156-59-2	ND		25.0	7.80	ND		25.0	7.80	ND		25.0	7.80	ND		25.0	7.80	ND		25.0	7.80	ND		25.0	7.80
2-Butanone (MEK)	78-93-3	ND		100	35.1	ND		100	35.1	ND		100	35.1	ND		100	35.1	ND		100	35.1	ND		100	35.1
Bromochloromethane	74-97-5	ND		50.0	8.70	ND		50.0	8.70	ND		50.0	8.70	ND		50.0	8.70	ND		50.0	8.70	ND		50.0	8.70
Chloroform	67-66-3	ND		25.0	8.15	ND		25.0	8.15	ND		25.0	8.15	ND		25.0	8.15	ND		25.0	8.15	ND		25.0	8.15
1,1,1-Trichloroethane	71-55-6	ND		25.0	5.25	ND		25.0	5.25	ND		25.0	5.25	ND		25.0	5.25	ND		25.0	5.25	ND		25.0	5.25
Carbon tetrachloride	56-23-5	ND		50.0	5.95	ND		50.0	5.95	ND		50.0	5.95	ND		50.0	5.95	ND		50.0	5.95	ND		50.0	5.95
1,2-Dichloroethane (EDC)	107-06-2	ND		25.0	13.6	ND		25.0	13.6	ND		25.0	13.6	ND		25.0	13.6	ND		25.0	13.6	ND		25.0	13.6
Benzene	71-43-2	ND		25.0	7.20	ND		25.0	7.20	ND		25.0	7.20	ND		25.0	7.20	ND		25.0	7.20	ND		25.0	7.20
Trichloroethene	79-01-6	ND		25.0	10.3	ND		25.0	10.3	ND		25.0	10.3	ND		25.0	10.3	ND		25.0	10.3	ND		25.0	10.3
1,2-Dichloropropane	78-87-5	ND		25.0	5.50	ND		25.0	5.50	ND		25.0	5.50	ND		25.0	5.50	ND		25.0	5.50	ND		25.0	5.50
1,4-Dioxane	123-91-1	ND		5000	1840	ND		5000	1840	ND		5000	1840	ND		5000	1840	ND		5000	1840	ND		5000	1840
Bromodichloromethane	75-27-4	ND		25.0	14.3	ND		25.0	14.3	ND		25.0	14.3	ND		25.0	14.3	ND		25.0	14.3	ND		25.0	14.3
cis-1,3-Dichloropropene	10061-01-5	ND		25.0	11.1	ND		25.0	11.1	ND		25.0	11.1	ND		25.0	11.1	ND		25.0	11.1	ND		25.0	11.1
4-Methyl-2-pentanone (MIBK)	108-10-1	ND		100	39.8	ND		100	39.8	ND		100	39.8	ND		100	39.8	ND		100	39.8	ND		100	39.8
Toluene	108-88-3	56.9	D	25.0	8.70	60.9	D	25.0	8.70	62.8	D	25.0	8.70	67.8	D	25.0	8.70	62.0	D	25.0	8.70	65.3	D	25.0	8.70
trans-1,3-Dichloropropene	10061-02-6	ND		50.0	12.1	ND		50.0	12.1	ND		50.0	12.1	ND		50.0	12.1	ND		50.0	12.1	ND		50.0	12.1
1,1,2-Trichloroethane	79-00-5	ND		25.0	11.6	ND		25.0	11.6	ND		25.0	11.6	ND		25.0	11.6	ND		25.0	11.6	ND		25.0	11.6
Tetrachloroethene	127-18-4	ND		25.0	13.5	ND		25.0	13.5	ND		25.0	13.5	ND		25.0	13.5	ND		25.0	13.5	ND		25.0	13.5
2-Hexanone	591-78-6	ND		100	48.8	ND		100	48.8	ND		100	48.8	ND		100	48.8	ND		100	48.8	ND		100	48.8
Dibromochloromethane	124-48-1	ND		50.0	19.1	ND		50.0	19.1	ND		50.0	19.1	ND		50.0	19.1	ND		50.0	19.1	ND		50.0	19.1
1,2-Dibromoethane (EDB)	106-93-4	ND		25.0	13.0	ND		25.0	13.0	ND		25.0	13.0	ND		25.0	13.0	ND		25.0	13.0	ND		25.0	13.0
Chlorobenzene	108-90-7	ND		25.0	13.9	ND		25.0	13.9	ND		25.0	13.9	ND		25.0	13.9	ND		25.0	13.9	ND		25.0	13.9
Ethylbenzene	100-41-4	ND		25.0	13.5	ND		25.0	13.5	ND		25.0	13.5	ND		25.0	13.5	ND		25.0	13.5	ND		25.0	13.5
Total Xylenes	1330-20-7	ND		50.0	44.1	ND		50.0	44.1	ND		50.0	44.1	ND		50.0	44.1	ND		50.0	44.1	ND		50.0	44.1
Styrene	100-42-5	ND		50.0	21.6	ND		50.0	21.6	ND		50.0	21.6	ND		50.0	21.6	ND		50.0	21.6	ND		50.0	21.6
Bromoform	75-25-2	ND		25.0	21.2	ND		25.0	21.2	ND		25.0	21.2	ND		25.0	21.2	ND		25.0	21.2	ND		25.0	21.2
Isopropylbenzene	98-82-8	ND		25.0	19.3	ND		25.0	19.3	ND		25.0	19.3	ND		25.0	19.3	ND		25.0	19.3	ND		25.0	19.3
1,1,2,2-Tetrachloroethane	79-34-5	ND		50.0	39.6	ND		50.0	39.6	ND		50.0	39.6	ND		50.0	39.6	ND		50.0	39.6	ND		50.0	39.6
1,3-Dichlorobenzene	541-73-1	ND		25.0	14.8	ND		25.0	14.8	ND		25.0	14.8	ND		25.0	14.8	ND		25.0	14.8	ND		25.0	14.8
1,4-Dichlorobenzene	106-46-7	ND		25.0	19.6	ND		25.0	19.6	ND		25.0	19.6	ND		25.0	19.6	ND		25.0	19.6	ND		25.0	19.6
1,2-Dichlorobenzene	95-50-1	ND		25.0	16.2	ND		25.0	16.2	ND		25.0	16.2	ND		25.0	16.2	ND		25.0	16.2	ND		25.0	16.2
1,2-Dibromo-3-chloropropane	96-12-8	ND		50.0	28.6	ND		50.0	28.6	ND		50.0	28.6	ND		50.0	28.6	ND		50.0	28.6	ND		50.0	28.6
1,2,4-Trichlorobenzene	120-82-1	ND		50.0	18.1	ND		50.0	18.1	ND		50.0	18.1	ND		50.0	18.1	ND		50.0	18.1	ND		50.0	18.1
1,2,3-Trichlorobenzene	87-61-6	ND		50.0	25.7	ND		50.0	25.7	ND		50.0	25.7	ND		50.0	25.7	ND		50.0	25.7	ND		50.0	25.7
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND		50.0	17.4	ND		50.0	17.4	ND		50.0	17.4	ND		50.0	17.4	ND		50.0	17.4	ND		50.0	17.4
Methyl acetate	79-20-9	ND		25.0	24.4	ND		25.0	24.4	ND		25.0	24.4	ND		25.0	24.4	ND		25.0	24.4	ND		25.0	24.4
Cyclohexane	110-82-7	ND		50.0	27.4	ND		50.0	27.4	ND		50.0	27.4	ND		50.0	27.4	ND		50.0	27.4	ND		50.0	27.4
Methylcyclohexane	108-87-2	ND		50.0	25.0	ND		50.0	25.0	ND		50.0	25.0	ND		50.0	25.0	ND		50.0	25.0	ND		50.0	25.0
1,3-Dichloropropene (cis- and trans-)	542-75-6	ND		50.0	12.1	ND		50.0	12.1	ND		50.0	12.1	ND		50.0	12.1	ND		50.0	12.1	ND		50.0	12.1
TOTAL VO's:		56.9	D		NA	60.9	D		NA	62.8	D		NA	67.8	D		NA	62.0	D		NA	65.3	D		NA

Standards are based upon published regulatory information.
Users are encouraged to consult appropriate regulatory sources for current values and updates.
IAL assumes no responsibility for the accuracy of these values.

EDD created on 9/16/20

Renova Environmental Services
Project Name: CAMP HERO WC - BLDG 10
IAL SDG No:E20-05668

TCLP Volatiles (mg/L)		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Vinyl chloride	75-01-4	ND		10.0	2.98	ND		10.0	2.98	ND		10.0	2.98	ND		10.0	2.98	ND		10.0	2.98	ND		10.0	2.98
1,1-Dichloroethene	75-35-4	ND		10.0	8.18	ND		10.0	8.18	ND		10.0	8.18	ND		10.0	8.18	ND		10.0	8.18	ND		10.0	8.18
2-Butanone (MEK)	78-93-3	ND		40.0	14.0	ND		40.0	14.0	ND		40.0	14.0	ND		40.0	14.0	ND		40.0	14.0	ND		40.0	14.0
Chloroform	67-66-3	ND		10.0	3.26	ND		10.0	3.26	ND		10.0	3.26	ND		10.0	3.26	ND		10.0	3.26	ND		10.0	3.26
Carbon tetrachloride	56-23-5	ND		10.0	2.38	ND		10.0	2.38	ND		10.0	2.38	ND		10.0	2.38	ND		10.0	2.38	ND		10.0	2.38
1,2-Dichloroethane (EDC)	107-06-2	ND		10.0	5.42	ND		10.0	5.42	ND		10.0	5.42	ND		10.0	5.42	ND		10.0	5.42	ND		10.0	5.42
Benzene	71-43-2	ND		10.0	2.88	ND		10.0	2.88	ND		10.0	2.88	ND		10.0	2.88	ND		10.0	2.88	ND		10.0	2.88
Trichloroethene	79-01-6	ND		10.0	4.10	ND		10.0	4.10	ND		10.0	4.10	ND		10.0	4.10	ND		10.0	4.10	ND		10.0	4.10
Tetrachloroethene	127-18-4	ND		10.0	5.40	ND		10.0	5.40	ND		10.0	5.40	ND		10.0	5.40	ND		10.0	5.40	ND		10.0	5.40
Chlorobenzene	108-90-7	ND		10.0	5.56	ND		10.0	5.56	ND		10.0	5.56	ND		10.0	5.56	ND		10.0	5.56	ND		10.0	5.56
1,4-Dichlorobenzene	106-46-7	ND		20.0	7.84	ND		20.0	7.84	ND		20.0	7.84	ND		20.0	7.84	ND		20.0	7.84	ND		20.0	7.84
TCLP Semivolatiles (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Pyridine	110-86-1	ND		10.0	1.96	ND		10.0	1.96	ND		10.0	1.96	ND		10.0	1.96	ND		10.0	1.96	ND		10.0	1.96
2-Methylphenol	95-48-7	ND		10.0	2.50	ND		10.0	2.50	ND		10.0	2.50	ND		10.0	2.50	ND		10.0	2.50	ND		10.0	2.50
4-Methylphenol	106-44-5	51.0		10.0	2.04	46.3		10.0	2.04	42.9		10.0	2.04	48.9		10.0	2.04	46.2		10.0	2.04	50.8		10.0	2.04
3-Methylphenol	108-39-4	ND		10.0	2.04	ND		10.0	2.04	ND		10.0	2.04	ND		10.0	2.04	ND		10.0	2.04	ND		10.0	2.04
Hexachloroethane	67-72-1	ND		10.0	2.14	ND		10.0	2.14	ND		10.0	2.14	ND		10.0	2.14	ND		10.0	2.14	ND		10.0	2.14
Nitrobenzene	98-95-3	ND		10.0	4.28	ND		10.0	4.28	ND		10.0	4.28	ND		10.0	4.28	ND		10.0	4.28	ND		10.0	4.28
Hexachlorobutadiene	87-68-3	ND		10.0	1.83	ND		10.0	1.83	ND		10.0	1.83	ND		10.0	1.83	ND		10.0	1.83	ND		10.0	1.83
2,4,6-Trichlorophenol	88-06-2	ND		10.0	1.79	ND		10.0	1.79	ND		10.0	1.79	ND		10.0	1.79	ND		10.0	1.79	ND		10.0	1.79
2,4,5-Trichlorophenol	95-95-4	ND		10.0	1.84	ND		10.0	1.84	ND		10.0	1.84	ND		10.0	1.84	ND		10.0	1.84	ND		10.0	1.84
2,4-Dinitrotoluene	121-14-2	ND		10.0	1.42	ND		10.0	1.42	ND		10.0	1.42	ND		10.0	1.42	ND		10.0	1.42	ND		10.0	1.42
Hexachlorobenzene	118-74-1	ND		10.0	3.22	ND		10.0	3.22	ND		10.0	3.22	ND		10.0	3.22	ND		10.0	3.22	ND		10.0	3.22
Pentachlorophenol	87-86-5	ND		10.0	2.59	ND		10.0	2.59	ND		10.0	2.59	ND		10.0	2.59	ND		10.0	2.59	ND		10.0	2.59
PCB's (mg/Kg)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Aroclor-1016	12674-11-2	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
Aroclor-1221	11104-28-2	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
Aroclor-1232	11141-16-5	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
Aroclor-1242	53469-21-9	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
Aroclor-1248	12672-29-6	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
Aroclor-1254	11097-69-1	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
Aroclor-1260	11096-82-5	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
Aroclor-1262	37324-23-5	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
Aroclor-1268	11100-14-4	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
PCBs	1336-36-3	ND		0.495	0.198	ND		0.500	0.200	ND		0.500	0.200	ND		0.490	0.196	ND		0.500	0.200	ND		0.500	0.200
TCLP Pesticides (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
gamma-BHC (Lindane)	58-89-9	ND		0.189	0.094	ND		0.192	0.096	ND		0.189	0.094	ND		0.187	0.094	ND		0.192	0.096	ND		0.194	0.097
Heptachlor	76-44-8	ND		0.189	0.094	ND		0.192	0.096	ND		0.189	0.094	ND		0.187	0.094	ND		0.192	0.096	ND		0.194	0.097
Heptachlor epoxide	1024-57-3	ND		0.189	0.094	ND		0.192	0.096	ND		0.189	0.094	ND		0.187	0.094	ND		0.192	0.096	ND		0.194	0.097
Endrin	72-20-8	ND		0.189	0.094	ND		0.192	0.096	ND		0.189	0.094	ND		0.187	0.094	ND		0.192	0.096	ND		0.194	0.097
Methoxychlor	72-43-5	ND		0.189	0.094	ND		0.192	0.096	ND		0.189	0.094	ND		0.187	0.094	ND		0.192	0.096	ND		0.194	0.097
Chlordane	12789-03-6	ND		2.36	1.13	ND		2.40	1.15	ND		2.36	1.13	ND		2.34	1.12	ND		2.40	1.15	ND		2.43	1.17
Toxaphene	8001-35-2	ND		2.36	1.13	ND		2.40	1.15	ND		2.36	1.13	ND		2.34	1.12	ND		2.40	1.15	ND		2.43	1.17
TCLP Herbicides (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
2,4-D	94-75-7	ND		0.250	0.100	ND		0.250	0.100	ND		0.250	0.100	ND		0.250	0.100	ND		0.250	0.100	ND		0.250	0.100
2,4,5-TP (Silvex)	93-72-1	ND		0.250	0.100	ND		0.250	0.100	ND		0.250	0.100	ND		0.250	0.100	ND		0.250	0.100	ND		0.250	0.100
Hydrocarbons (mg/Kg)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TPH-DRO	SRP 133	681000		25000	20000	600000		25000	20000	649000		25000	20000	614000		25000	20000	644000		24800	19800	672000		25000	20000
TCLP Metals (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TCLP Arsenic	7440-38-2	ND		0.100	0.040	0.085	J	0.100	0.040	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040
TCLP Barium	7440-39-3	0.115		0.100	0.050	2.64		0.100	0.050	0.089	J	0.100	0.050	0.075	J	0.100	0.050	0.094	J	0.100	0.050	0.058	J	0.100	0.050
TCLP Cadmium	7440-43-9	1.03		0.100	0.070	0.407		0.100	0.070	0.781		0.100	0.070	2.11		0.100	0.070	0.510		0.100	0.070	0.601		0.100	0.070
TCLP Chromium	7440-47-3	2.59		0.100	0.070	3.19		0.100	0.070	2.53		0.100	0.070	0.198		0.100	0.070	5.15		0.100	0.070	3.94		0.100	0.070
TCLP Lead	7439-92-1	12.0		0.100	0.060	6.56		0.100	0.060	6.68		0.100	0.060	7.77		0.100	0.060	15.2		0.100	0.060	5.09		0.100	0.060
TCLP Mercury	7439-97-6	ND		0.001	0.0004	ND		0.001	0.0004	ND		0.001	0.0004	ND		0.001	0.0004	ND		0.001	0.0004	ND		0.001	0.0004
TCLP Selenium	7782-49-2	ND		1.00	0.300	ND		1.00	0.300	ND		1.00	0.300	ND		1.00	0.300	ND		1.00	0.300	ND		1.00	0.300
TCLP Silver	7440-22-4	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060
General Analytical		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
pH/Corrosivity-SU	SRP 6	5.70		NA	NA	5.50		NA	NA	5.50		NA	NA	5.56		NA	NA	5.42		NA	NA	5.70		NA	NA
Ignitability	SRP 129	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Flash Point-°C	IALCAS092	FLASH @10		20.0	NA	FLASH @10		20.0	NA	FLASH @10		20.0	NA	FLASH @10		20.0	NA	FLASH @10		20.0	NA	FLASH @10		20.0	NA

BOLD Conc Indicates a concentration that exceeds applicable criteria.
BOLD RL Indicates RL that exceeds applicable criteria.
BOLD MDL Indicates MDL that exceeds applicable criteria.
NS = No Standard Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = Concentration detected at a value below the RL and above the MDL for target compounds. For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.
D = The compound was reported from the Diluted analysis

Standards are based upon published regulatory information.
Users are encouraged to consult appropriate regulatory sources for current values and updates.
IAL assumes no responsibility for the accuracy of these values.

EDD created on 9/16/20

Renova Environmental Services
Project Name: CAMP HERO WC - BLDG 10
IAL SDG No:E20-05668

SAMPLE NOTES			Samples CH-WC-52 through CH-WC-56 were collected from floor sludge surrounding the containers in Building 10.																	
Sample #:		Part 375-6.8(a)	CH-WC-52				CH-WC-53				CH-WC-54				CH-WC-55				CH-WC-56			
Field ID:		Unrestricted Use																				
Lab ID:		Soil Cleanup	05668-014				05668-015				05668-016				05668-017				05668-018			
Date Sampled:		Objectives	08/26/2020				08/26/2020				08/26/2020				08/26/2020				08/26/2020			
Depth(ft):		(ppm)																				
	CAS																					
Volatiles (mg/Kg)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Dichlorodifluoromethane	75-71-8	NS	ND		50.0	24.5	ND		0.100	0.049	ND		50.0	24.5	ND		25.0	12.3	ND		0.100	0.049
Chloromethane	74-87-3	NS	ND		25.0	15.9	ND		0.050	0.032	ND		25.0	15.9	ND		12.5	7.93	ND		0.050	0.032
Vinyl chloride	75-01-4	0.02	ND		**50.0**	**7.45**	ND		**0.100**	0.015	ND		**50.0**	**7.45**	ND		**25.0**	**3.73**	ND		**0.100**	0.015
Bromomethane	74-83-9	NS	ND		50.0	17.8	ND		0.100	0.036	ND		50.0	17.8	ND		25.0	8.90	ND		0.100	0.036
Chloroethane	75-00-3	NS	ND		25.0	19.5	ND		0.050	0.039	ND		25.0	19.5	ND		12.5	9.75	ND		0.050	0.039
Trichlorofluoromethane	75-69-4	NS	ND		25.0	22.3	ND		0.050	0.045	ND		25.0	22.3	ND		12.5	11.1	ND		0.050	0.045
1,1-Dichloroethene	75-35-4	0.33	ND		**25.0**	**20.5**	ND		0.050	0.041	ND		**25.0**	**20.5**	ND		**12.5**	**10.2**	ND		0.050	0.041
Acetone	67-64-1	0.05	ND		**100**	**97.5**	ND		**0.200**	**0.195**	ND		**100**	**97.5**	ND		**50.0**	**48.7**	ND		**0.200**	**0.195**
Carbon disulfide	75-15-0	NS	ND		25.0	11.0	ND		0.050	0.022	ND		25.0	11.0	ND		12.5	5.50	ND		0.050	0.022
Methylene chloride	75-09-2	0.05	ND		**50.0**	**49.5**	ND		**0.100**	**0.099**	ND		**50.0**	**49.5**	ND		**25.0**	**24.8**	ND		**0.100**	**0.099**
trans-1,2-Dichloroethene	156-60-5	0.19	ND		**25.0**	**14.1**	ND		0.050	0.028	ND		**25.0**	**14.1**	ND		**12.5**	**7.03**	ND		0.050	0.028
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	ND		**25.0**	**13.3**	ND		0.050	0.027	ND		**25.0**	**13.3**	ND		**12.5**	**6.63**	ND		0.050	0.027
1,1-Dichloroethane	75-34-3	0.27	ND		**25.0**	**9.65**	ND		0.050	0.019	ND		**25.0**	**9.65**	ND		**12.5**	**4.83**	ND		0.050	0.019
cis-1,2-Dichloroethene	156-59-2	0.25	ND		**25.0**	**7.80**	ND		0.050	0.016	ND		**25.0**	**7.80**	ND		**12.5**	**3.90**	ND		0.050	0.016
2-Butanone (MEK)	78-93-3	0.12	ND		**100**	**35.1**	ND		**0.200**	0.070	ND		**100**	**35.1**	ND		**50.0**	**17.5**	ND		**0.200**	0.070
Bromochloromethane	74-97-5	NS	ND		50.0	8.70	ND		0.100	0.017	ND		50.0	8.70	ND		25.0	4.35	ND		0.100	0.017
Chloroform	67-66-3	0.37	ND		**25.0**	**8.15**	ND		0.050	0.016	ND		**25.0**	**8.15**	ND		**12.5**	**4.08**	ND		0.050	0.016
1,1,1-Trichloroethane	71-55-6	0.68	ND		**25.0**	**5.25**	ND		0.050	0.011	ND		**25.0**	**5.25**	ND		**12.5**	**2.63**	ND		0.050	0.011
Carbon tetrachloride	56-23-5	0.76	ND		**50.0**	**5.95**	ND		0.100	0.012	ND		**50.0**	**5.95**	ND		**25.0**	**2.98**	ND		0.100	0.012
1,2-Dichloroethane (EDC)	107-06-2	0.02	ND		**25.0**	**13.6**	ND		**0.050**	**0.027**	ND		**25.0**	**13.6**	ND		**12.5**	**6.78**	ND		**0.050**	**0.027**
Benzene	71-43-2	0.06	ND		**25.0**	**7.20**	ND		0.050	0.014	ND		**25.0**	**7.20**	ND		**12.5**	**3.60**	ND		0.050	0.014
Trichloroethene	79-01-6	0.47	ND		**25.0**	**10.3**	ND		0.050	0.021	ND		**25.0**	**10.3**	ND		**12.5**	**5.13**	ND		0.050	0.021
1,2-Dichloropropane	78-87-5	NS	ND		25.0	5.50	ND		0.050	0.011	ND		25.0	5.50	ND		12.5	2.75	ND		0.050	0.011
1,4-Dioxane	123-91-1	0.1	ND		**5000**	**1840**	ND		**10.0**	**3.67**	ND		**5000**	**1840**	ND		**2500**	**918**	ND		**10.0**	**3.67**
Bromodichloromethane	75-27-4	NS	ND		25.0	14.3	ND		0.050	0.029	ND		25.0	14.3	ND		12.5	7.15	ND		0.050	0.029
cis-1,3-Dichloropropene	10061-01-5	NS	ND		25.0	11.1	ND		0.050	0.022	ND		25.0	11.1	ND		12.5	5.55	ND		0.050	0.022
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	ND		100	39.8	ND		0.200	0.080	ND		100	39.8	ND		50.0	19.9	ND		0.200	0.080
Toluene	108-88-3	0.7	ND		**25.0**	**8.70**	ND		0.050	0.017	ND		**25.0**	**8.70**	ND		**12.5**	**4.35**	ND		0.050	0.017
trans-1,3-Dichloropropene	10061-02-6	NS	ND		50.0	12.1	ND		0.100	0.024	ND		50.0	12.1	ND		25.0	6.03	ND		0.100	0.024
1,1,2-Trichloroethane	79-00-5	NS	ND		25.0	11.6	ND		0.050	0.023	ND		25.0	11.6	ND		12.5	5.80	ND		0.050	0.023
Tetrachloroethene	127-18-4	1.3	ND		**25.0**	**13.5**	ND		0.050	0.027	ND		**25.0**	**13.5**	ND		**12.5**	**6.75**	ND		0.050	0.027
2-Hexanone	591-78-6	NS	892	D	100	48.8	ND		0.200	0.098	70.9	DJ	100	48.8	529	D	50.0	24.4	ND		0.200	0.098
Dibromochloromethane	124-48-1	NS	ND		50.0	19.1	ND		0.100	0.038	ND		50.0	19.1	ND		25.0	9.53	ND		0.100	0.038
1,2-Dibromoethane (EDB)	106-93-4	NS	ND		25.0	13.0	ND		0.050	0.026	ND		25.0	13.0	ND		12.5	6.50	ND		0.050	0.026
Chlorobenzene	108-90-7	1.1	ND		**25.0**	**13.9**	ND		0.050	0.028	ND		**25.0**	**13.9**	ND		**12.5**	**6.95**	ND		0.050	0.028
Ethylbenzene	100-41-4	1	ND		**25.0**	**13.5**	ND		0.050	0.027	ND		**25.0**	**13.5**	ND		**12.5**	**6.75**	ND		0.050	0.027
Total Xylenes	1330-20-7	0.26	ND		**50.0**	**44.1**	ND		0.100	0.088	ND		**50.0**	**44.1**	ND		**25.0**	**22.0**	ND		0.100	0.088
Styrene	100-42-5	NS	ND		50.0	21.6	ND		0.100	0.043	ND		50.0	21.6	ND		25.0	10.8	ND		0.100	0.043
Bromoform	75-25-2	NS	ND		25.0	21.2	ND		0.050	0.042	ND		25.0	21.2	ND		12.5	10.6	ND		0.050	0.042
Isopropylbenzene	98-82-8	NS	ND		25.0	19.3	ND		0.050	0.039	ND		25.0	19.3	ND		12.5	9.65	ND		0.050	0.039
1,1,2,2-Tetrachloroethane	79-34-5	NS	ND		50.0	39.6	ND		0.100	0.079	ND		50.0	39.6	ND		25.0	19.8	ND		0.100	0.079
1,3-Dichlorobenzene	541-73-1	2.4	ND		**25.0**	**14.8**	ND		0.050	0.030	ND		**25.0**	**14.8**	ND		**12.5**	**7.40**	ND		0.050	0.030
1,4-Dichlorobenzene	106-46-7	1.8	ND		**25.0**	**19.6**	ND		0.050	0.039	ND		**25.0**	**19.6**	ND		**12.5**	**9.80**	ND		0.050	0.039
1,2-Dichlorobenzene	95-50-1	1.1	ND		**25.0**	**16.2**	ND		0.050	0.032	ND		**25.0**	**16.2**	ND		**12.5**	**8.10**	ND		0.050	0.032
1,2-Dibromo-3-chloropropane	96-12-8	NS	ND		50.0	28.6	ND		0.100	0.057	ND		50.0	28.6	ND		25.0	14.3	ND		0.100	0.057
1,2,4-Trichlorobenzene	120-82-1	NS	ND		50.0	18.1	ND		0.100	0.036	ND		50.0	18.1	ND		25.0	9.05	ND		0.100	0.036
1,2,3-Trichlorobenzene	87-61-6	NS	ND		50.0	25.7	ND		0.100	0.051	ND		50.0	25.7	ND		25.0	12.8	ND		0.100	0.051
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NS	ND		50.0	17.4	ND		0.100	0.035	ND		50.0	17.4	ND		25.0	8.68	ND		0.100	0.035
Methyl acetate	79-20-9	NS	ND		25.0	24.4	1.16		0.050	0.049	ND		25.0	24.4	ND		12.5	12.2	0.657		0.050	0.049
Cyclohexane	110-82-7	NS	ND		50.0	27.4	ND		0.100	0.055	ND		50.0	27.4	ND		25.0	13.7	ND		0.100	0.055
Methylcyclohexane	108-87-2	NS	ND		50.0	25.0	ND		0.100	0.050	ND		50.0	25.0	ND		25.0	12.5	ND		0.100	0.050
1,3-Dichloropropene (cis- and trans-)	542-75-6	NS	ND		50.0	12.1	ND		0.100	0.024	ND		50.0	12.1	ND		25.0	6.03	ND		0.100	0.024
TOTAL VO's:		NS	892	D		NA	1.16			NA	70.9	DJ		NA	529	D		NA	0.657			NA
TCLP Volatiles (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Vinyl chloride	75-01-4	0.02	ND		**0.025**	0.00745	ND		**0.025**	0.00745	ND		**0.025**	0.00745	ND		**0.025**	0.00745	ND		**0.025**	0.00745
1,1-Dichloroethene	75-35-4	0.33	ND		0.025	0.021	ND		0.025	0.021	ND		0.025	0.021	ND		0.025	0.021	ND		0.025	0.021
2-Butanone (MEK)	78-93-3	0.12	ND		0.100	0.035	ND		0.100	0.035	ND		0.100	0.035	ND		0.100	0.035	ND		0.100	0.035
Chloroform	67-66-3	0.37	ND		0.025	0.00815	ND		0.025	0.00815	ND		0.025	0.00815	ND		0.025	0.00815	ND		0.025	0.00815
Carbon tetrachloride	56-23-5	0.76	ND		0.025	0.00595	ND		0.025	0.00595	ND		0.025	0.00595	ND		0.025	0.00595	ND		0.025	0.00595
1,2-Dichloroethane (EDC)	107-06-2	0.02	ND		**0.025**	0.014	ND		**0.025**	0.014	ND		**0.025**	0.014	ND		**0.025**	0.014	ND		**0.025**	0.014
Benzene	71-43-2	0.06	ND		0.025	0.0072	ND		0.025	0.0072	ND		0.025	0.0072	ND		0.025	0.0072	ND		0.025	0.0072
Trichloroethene	79-01-6	0.47	ND		0.025	0.010	ND		0.025	0.010	ND		0.025	0.010	ND		0.025	0.010	ND		0.025	0.010
Tetrachloroethene	127-18-4	1.3	ND		0.025	0.014	ND		0.025	0.014	ND		0.025	0.014	ND		0.025	0.014	ND		0.025	0.014
Chlorobenzene	108-90-7	1.1	ND		0.025	0.014	ND		0.025	0.014	ND		0.025	0.014	ND		0.025	0.014	ND		0.025	0.014
1,4-Dichlorobenzene	106-46-7	1.8	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020

Standards are based upon published regulatory information.
Users are encouraged to consult appropriate regulatory sources for current values and updates.
IAL assumes no responsibility for the accuracy of these values.

EDD created on 9/16/20

Renova Environmental Services
Project Name: CAMP HERO WC - BLDG 10
IAL SDG No:E20-05668

TCLP Semivolatiles (mg/L)			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Pyridine	110-86-1	NS	ND		0.020	0.00392	ND		0.020	0.00392	ND		0.020	0.00392	ND		0.020	0.00392	ND		0.020	0.00392
2-Methylphenol	95-48-7	0.33	ND		0.020	0.005	ND		0.020	0.005	ND		0.020	0.005	ND		0.020	0.005	ND		0.020	0.005
4-Methylphenol	106-44-5	0.33	0.207		0.020	0.00408	0.235		0.020	0.00408	0.151		0.020	0.00408	0.110		0.020	0.00408	0.256		0.020	0.00408
3-Methylphenol	108-39-4	0.33	ND		0.020	0.00408	ND		0.020	0.00408	ND		0.020	0.00408	ND		0.020	0.00408	ND		0.020	0.00408
Hexachloroethane	67-72-1	NS	ND		0.020	0.00428	ND		0.020	0.00428	ND		0.020	0.00428	ND		0.020	0.00428	ND		0.020	0.00428
Nitrobenzene	98-95-3	NS	ND		0.020	0.00856	ND		0.020	0.00856	ND		0.020	0.00856	ND		0.020	0.00856	ND		0.020	0.00856
Hexachlorobutadiene	87-68-3	NS	ND		0.020	0.00366	ND		0.020	0.00366	ND		0.020	0.00366	ND		0.020	0.00366	ND		0.020	0.00366
2,4,6-Trichlorophenol	88-06-2	NS	ND		0.020	0.00358	ND		0.020	0.00358	ND		0.020	0.00358	ND		0.020	0.00358	ND		0.020	0.00358
2,4,5-Trichlorophenol	95-95-4	NS	ND		0.020	0.00368	ND		0.020	0.00368	ND		0.020	0.00368	ND		0.020	0.00368	ND		0.020	0.00368
2,4-Dinitrotoluene	121-14-2	NS	ND		0.020	0.00284	ND		0.020	0.00284	ND		0.020	0.00284	ND		0.020	0.00284	ND		0.020	0.00284
Hexachlorobenzene	118-74-1	0.33	ND		0.020	0.00644	ND		0.020	0.00644	ND		0.020	0.00644	ND		0.020	0.00644	ND		0.020	0.00644
Pentachlorophenol	87-86-5	0.8	ND		0.020	0.00518	ND		0.020	0.00518	ND		0.020	0.00518	ND		0.020	0.00518	ND		0.020	0.00518
PCB's (mg/Kg)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Aroclor-1016	12674-11-2	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
Aroclor-1221	11104-28-2	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
Aroclor-1232	11141-16-5	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
Aroclor-1242	53469-21-9	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
Aroclor-1248	12672-29-6	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
Aroclor-1254	11097-69-1	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
Aroclor-1260	11096-82-5	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
Aroclor-1262	37324-23-5	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
Aroclor-1268	11100-14-4	NS	ND		1.00	0.400	ND		0.964	0.386	ND		0.988	0.395	ND		0.996	0.398	ND		0.933	0.373
PCBs	1336-36-3	0.1	ND		**1.00**	**0.400**	ND		**0.964**	**0.386**	ND		**0.988**	**0.395**	ND		**0.996**	**0.398**	ND		**0.933**	**0.373**
TCLP Pesticides (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
gamma-BHC (Lindane)	58-89-9	0.1	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005
Heptachlor	76-44-8	0.042	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005
Heptachlor epoxide	1024-57-3	NS	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005
Endrin	72-20-8	0.014	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005
Methoxychlor	72-43-5	NS	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005	ND		0.001	0.0005
Chlordane	12789-03-6	NS	ND		0.013	0.006	ND		0.013	0.006	ND		0.013	0.006	ND		0.013	0.006	ND		0.013	0.006
Toxaphene	8001-35-2	NS	ND		0.013	0.006	ND		0.013	0.006	ND		0.013	0.006	ND		0.013	0.006	ND		0.013	0.006
TCLP Herbicides (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
2,4-D	94-75-7	NS	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040
2,4,5-TP (Silvex)	93-72-1	3.8	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040
Hydrocarbons (mg/Kg)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TPH-DRO	SRP 133	NS	90600		1850	1480	61200		1810	1450	72900		1870	1500	104000		1910	1530	64600		1820	1460
TCLP Metals (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TCLP Arsenic	7440-38-2	NS	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040	ND		0.100	0.040
TCLP Barium	7440-39-3	NS	0.247		0.100	0.050	0.430		0.100	0.050	0.696		0.100	0.050	0.416		0.100	0.050	ND		0.100	0.050
TCLP Cadmium	7440-43-9	NS	0.850		0.100	0.070	0.658		0.100	0.070	1.31		0.100	0.070	0.863		0.100	0.070	0.375		0.100	0.070
TCLP Chromium	7440-47-3	NS	ND		0.100	0.070	ND		0.100	0.070	ND		0.100	0.070	ND		0.100	0.070	ND		0.100	0.070
TCLP Lead	7439-92-1	NS	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060
TCLP Mercury	7439-97-6	NS	ND		0.0005	0.0002	ND		0.0005	0.0002	ND		0.0005	0.0002	ND		0.0005	0.0002	ND		0.0005	0.0002
TCLP Selenium	7782-49-2	NS	ND		1.00	0.300	ND		1.00	0.300	ND		1.00	0.300	ND		1.00	0.300	ND		1.00	0.300
TCLP Silver	7440-22-4	NS	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060	ND		0.100	0.060
General Analytical			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
pH/Corrosivity-SU	SRP 6	NS	7.17		NA	NA	7.22		NA	NA	7.39		NA	NA	7.50		NA	NA	6.39		NA	NA
Ignitability-Yes/No	SRP 129	NS	NO		NA	NA	NO		NA	NA	NO		NA	NA	NO		NA	NA	NO		NA	NA
Flash Point	IALCAS092	NS	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~

6NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives December 2006

BOLD Conc Indicates a concentration that exceeds applicable criteria.

BOLD RL Indicates RL that exceeds applicable criteria.

BOLD MDL Indicates MDL that exceeds applicable criteria.

NS = No Standard Available

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

J = Concentration detected at a value below the RL and above the MDL for target compounds. For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.

D = The compound was reported from the Diluted analysis

Standards are based upon published regulatory information.
Users are encouraged to consult appropriate regulatory sources for current values and updates.
IAL assumes no responsibility for the accuracy of these values.

EDD created on 9/16/20

Attachment 2

Building 107 – Laboratory Results

Renova Environmental Services
Project Name: CAMP HERO WC - BLDG 107
IAL SDG No:E20-05666

SAMPLE NOTES			Samples CH-WC-33 through CH-WC-35 & Field Duplicate 1 collected from suspect product on surfaces of electrical components in Building 107.															
Sample #:			CH-WC-33				CH-WC-34				CH-WC-35				FIELD DUPLICATE 1			
Field ID:																		
Lab ID:			05666-001				05666-002				05666-003				05666-007			
Date Sampled:			08/26/2020				08/26/2020				08/26/2020				08/26/2020			
Depth(ft):																		
	CAS																	
TCLP Volatiles (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Vinyl chloride	75-01-4		~		~	~	~		~	~	~		~	~	~		~	~
1,1-Dichloroethene	75-35-4		~		~	~	~		~	~	~		~	~	~		~	~
2-Butanone (MEK)	78-93-3		~		~	~	~		~	~	~		~	~	~		~	~
Chloroform	67-66-3		~		~	~	~		~	~	~		~	~	~		~	~
Carbon tetrachloride	56-23-5		~		~	~	~		~	~	~		~	~	~		~	~
1,2-Dichloroethane (EDC)	107-06-2		~		~	~	~		~	~	~		~	~	~		~	~
Benzene	71-43-2		~		~	~	~		~	~	~		~	~	~		~	~
Trichloroethene	79-01-6		~		~	~	~		~	~	~		~	~	~		~	~
Tetrachloroethene	127-18-4		~		~	~	~		~	~	~		~	~	~		~	~
Chlorobenzene	108-90-7		~		~	~	~		~	~	~		~	~	~		~	~
1,4-Dichlorobenzene	106-46-7		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Semivolatiles (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Pyridine	110-86-1		~		~	~	~		~	~	~		~	~	~		~	~
2-Methylphenol	95-48-7		~		~	~	~		~	~	~		~	~	~		~	~
4-Methylphenol	106-44-5		~		~	~	~		~	~	~		~	~	~		~	~
3-Methylphenol	108-39-4		~		~	~	~		~	~	~		~	~	~		~	~
Hexachloroethane	67-72-1		~		~	~	~		~	~	~		~	~	~		~	~
Nitrobenzene	98-95-3		~		~	~	~		~	~	~		~	~	~		~	~
Hexachlorobutadiene	87-68-3		~		~	~	~		~	~	~		~	~	~		~	~
2,4,6-Trichlorophenol	88-06-2		~		~	~	~		~	~	~		~	~	~		~	~
2,4,5-Trichlorophenol	95-95-4		~		~	~	~		~	~	~		~	~	~		~	~
2,4-Dinitrotoluene	121-14-2		~		~	~	~		~	~	~		~	~	~		~	~
Hexachlorobenzene	118-74-1		~		~	~	~		~	~	~		~	~	~		~	~
Pentachlorophenol	87-86-5		~		~	~	~		~	~	~		~	~	~		~	~
PCB's (ug/100cm2)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Aroclor-1016	12674-11-2		ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1221	11104-28-2		ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1232	11141-16-5		ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1242	53469-21-9		ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1248	12672-29-6		ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1254	11097-69-1		0.260		0.050	0.020	0.307		0.050	0.020	0.155		0.050	0.020	0.331		0.050	0.020
Aroclor-1260	11096-82-5		ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1262	37324-23-5		ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
Aroclor-1268	11100-14-4		ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020	ND		0.050	0.020
PCBs	1336-36-3		0.260		0.050	0.020	0.307		0.050	0.020	0.155		0.050	0.020	0.331		0.050	0.020
TCLP Pesticides (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
gamma-BHC (Lindane)	58-89-9		~		~	~	~		~	~	~		~	~	~		~	~
Heptachlor	76-44-8		~		~	~	~		~	~	~		~	~	~		~	~
Heptachlor epoxide	1024-57-3		~		~	~	~		~	~	~		~	~	~		~	~
Endrin	72-20-8		~		~	~	~		~	~	~		~	~	~		~	~
Methoxychlor	72-43-5		~		~	~	~		~	~	~		~	~	~		~	~
Chlordane	12789-03-6		~		~	~	~		~	~	~		~	~	~		~	~
Toxaphene	8001-35-2		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Herbicides (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
2,4-D	94-75-7		~		~	~	~		~	~	~		~	~	~		~	~
2,4,5-TP (Silvex)	93-72-1		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Metals (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TCLP Arsenic	7440-38-2		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Barium	7440-39-3		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Cadmium	7440-43-9		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Chromium	7440-47-3		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Lead	7439-92-1		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Mercury	7439-97-6		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Selenium	7782-49-2		~		~	~	~		~	~	~		~	~	~		~	~
TCLP Silver	7440-22-4		~		~	~	~		~	~	~		~	~	~		~	~

BOLD Conc Indicates a concentration that exceeds applicable criteria.
BOLD RL Indicates RL that exceeds applicable criteria.
BOLD MDL Indicates MDL that exceeds applicable criteria.
NS = No Standard Available
~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

Standards are based upon published regulatory information.
Users are encouraged to consult appropriate regulatory sources for current values and updates.
IAL assumes no responsibility for the accuracy of these values.

EDD created on 9/16/20

Renova Environmental Services
Project Name: CAMP HERO WC - BLDG 107
IAL SDG No:E20-05666

SAMPLE NOTES			Samples CH-WC-36 through CH-WC-38 & COMP CH-WC-36-37-38 were concrete chips collected from floor stains associated with electrical components in Building 107.															
Sample #:		Part 375-6.8(a)	CH-WC-36				CH-WC-37				CH-WC-38				COMP CH-WC-36 -37 -38			
Field ID:		Unrestricted Use																
Lab ID:		Soil Cleanup	05666-004				05666-005				05666-006				05666-008			
Date Sampled:		Objectives	08/26/2020				08/26/2020				08/26/2020				08/26/2020			
Depth(ft):		(ppm)																
	CAS																	
TCLP Volatiles (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Vinyl chloride	75-01-4	0.02	~		~	~	~		~	~	~		~	~	ND		**0.025**	0.00745
1,1-Dichloroethene	75-35-4	0.33	~		~	~	~		~	~	~		~	~	ND		0.025	0.021
2-Butanone (MEK)	78-93-3	0.12	~		~	~	~		~	~	~		~	~	ND		0.100	0.035
Chloroform	67-66-3	0.37	~		~	~	~		~	~	~		~	~	ND		0.025	0.00815
Carbon tetrachloride	56-23-5	0.76	~		~	~	~		~	~	~		~	~	ND		0.025	0.00595
1,2-Dichloroethane (EDC)	107-06-2	0.02	~		~	~	~		~	~	~		~	~	ND		**0.025**	0.014
Benzene	71-43-2	0.06	~		~	~	~		~	~	~		~	~	ND		0.025	0.0072
Trichloroethene	79-01-6	0.47	~		~	~	~		~	~	~		~	~	ND		0.025	0.010
Tetrachloroethene	127-18-4	1.3	~		~	~	~		~	~	~		~	~	ND		0.025	0.014
Chlorobenzene	108-90-7	1.1	~		~	~	~		~	~	~		~	~	ND		0.025	0.014
1,4-Dichlorobenzene	106-46-7	1.8	~		~	~	~		~	~	~		~	~	ND		0.050	0.020
TCLP Semivolatiles (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Pyridine	110-86-1	NS	~		~	~	~		~	~	~		~	~	ND		0.020	0.00392
2-Methylphenol	95-48-7	0.33	~		~	~	~		~	~	~		~	~	ND		0.020	0.005
4-Methylphenol	106-44-5	0.33	~		~	~	~		~	~	~		~	~	ND		0.020	0.00408
3-Methylphenol	108-39-4	0.33	~		~	~	~		~	~	~		~	~	ND		0.020	0.00408
Hexachloroethane	67-72-1	NS	~		~	~	~		~	~	~		~	~	ND		0.020	0.00428
Nitrobenzene	98-95-3	NS	~		~	~	~		~	~	~		~	~	ND		0.020	0.00856
Hexachlorobutadiene	87-68-3	NS	~		~	~	~		~	~	~		~	~	ND		0.020	0.00366
2,4,6-Trichlorophenol	88-06-2	NS	~		~	~	~		~	~	~		~	~	ND		0.020	0.00358
2,4,5-Trichlorophenol	95-95-4	NS	~		~	~	~		~	~	~		~	~	ND		0.020	0.00368
2,4-Dinitrotoluene	121-14-2	NS	~		~	~	~		~	~	~		~	~	ND		0.020	0.00284
Hexachlorobenzene	118-74-1	0.33	~		~	~	~		~	~	~		~	~	ND		0.020	0.00644
Pentachlorophenol	87-86-5	0.8	~		~	~	~		~	~	~		~	~	ND		0.020	0.00518
PCB's (mg/Kg)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Aroclor-1016	12674-11-2	NS	~		~	~	~		~	~	~		~	~	ND		0.019	0.00763
Aroclor-1221	11104-28-2	NS	~		~	~	~		~	~	~		~	~	ND		0.019	0.00763
Aroclor-1232	11141-16-5	NS	~		~	~	~		~	~	~		~	~	ND		0.019	0.00763
Aroclor-1242	53469-21-9	NS	~		~	~	~		~	~	~		~	~	ND		0.019	0.00763
Aroclor-1248	12672-29-6	NS	~		~	~	~		~	~	~		~	~	ND		0.019	0.00763
Aroclor-1254	11097-69-1	NS	~		~	~	~		~	~	~		~	~	0.506		0.019	0.00763
Aroclor-1260	11096-82-5	NS	~		~	~	~		~	~	~		~	~	ND		0.019	0.00763
Aroclor-1262	37324-23-5	NS	~		~	~	~		~	~	~		~	~	ND		0.019	0.00763
Aroclor-1268	11100-14-4	NS	~		~	~	~		~	~	~		~	~	ND		0.019	0.00763
PCBs	1336-36-3	0.1	~		~	~	~		~	~	~		~	~	**0.506**		0.019	0.00763
TCLP Pesticides (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
gamma-BHC (Lindane)	58-89-9	0.1	~		~	~	~		~	~	~		~	~	ND		0.00005	0.000025
Heptachlor	76-44-8	0.042	~		~	~	~		~	~	~		~	~	ND		0.00005	0.000025
Heptachlor epoxide	1024-57-3	NS	~		~	~	~		~	~	~		~	~	ND		0.00005	0.000025
Endrin	72-20-8	0.014	~		~	~	~		~	~	~		~	~	ND		0.00005	0.000025
Methoxychlor	72-43-5	NS	~		~	~	~		~	~	~		~	~	ND		0.00005	0.000025
Chlordane	12789-03-6	NS	~		~	~	~		~	~	~		~	~	ND		0.000625	0.0003
Toxaphene	8001-35-2	NS	~		~	~	~		~	~	~		~	~	ND		0.000625	0.0003
TCLP Herbicides (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
2,4-D	94-75-7	NS	~		~	~	~		~	~	~		~	~	ND		0.100	0.040
2,4,5-TP (Silvex)	93-72-1	3.8	~		~	~	~		~	~	~		~	~	ND		0.100	0.040
TCLP Metals (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TCLP Arsenic	7440-38-2	NS	~		~	~	~		~	~	~		~	~	ND		0.100	0.040
TCLP Barium	7440-39-3	NS	~		~	~	~		~	~	~		~	~	0.509		0.100	0.050
TCLP Cadmium	7440-43-9	NS	~		~	~	~		~	~	~		~	~	ND		0.100	0.070
TCLP Chromium	7440-47-3	NS	~		~	~	~		~	~	~		~	~	ND		0.100	0.070
TCLP Lead	7439-92-1	NS	~		~	~	~		~	~	~		~	~	ND		0.100	0.060
TCLP Mercury	7439-97-6	NS	~		~	~	~		~	~	~		~	~	ND		0.0005	0.0002
TCLP Selenium	7782-49-2	NS	~		~	~	~		~	~	~		~	~	ND		1.00	0.300
TCLP Silver	7440-22-4	NS	~		~	~	~		~	~	~		~	~	ND		0.100	0.060

6NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives December 2006

BOLD Conc Indicates a concentration that exceeds applicable criteria.

BOLD RL Indicates RL that exceeds applicable criteria.

BOLD MDL Indicates MDL that exceeds applicable criteria.

NS = No Standard Available

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

Standards are based upon published regulatory information.
Users are encouraged to consult appropriate regulatory sources for current values and updates.
IAL assumes no responsibility for the accuracy of these values.

EDD created on 9/16/20

Attachment 3

Bunker 113 – Laboratory Results

Renova Environmental Services
Project Name: CAMP HERO WC - BATTERY 113 OTHER
IAL SDG No:E20-05667

SAMPLE NOTES		Samples CH-WC-08 through CH-WC-10 were collected from surfaces of electrical componenets. Samples CH-WC-11 through CH-WC-13 were collected from wall stains																			
Sample #:		CH-WC-08				CH-WC-09				CH-WC-10				CH-WC-11				CH-WC-12			
Field ID:																					
Lab ID:		05667-001				05667-002				05667-003				05667-004				05667-005			
Date Sampled:		08/26/2020				08/26/2020				08/26/2020				08/26/2020				08/26/2020			
Depth(ft):																					
	CAS																				
TCLP Volatiles (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Vinyl chloride	75-01-4	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
1,1-Dichloroethene	75-35-4	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
2-Butanone (MEK)	78-93-3	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Chloroform	67-66-3	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Carbon tetrachloride	56-23-5	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
1,2-Dichloroethane (EDC)	107-06-2	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Benzene	71-43-2	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Trichloroethene	79-01-6	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Tetrachloroethene	127-18-4	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Chlorobenzene	108-90-7	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
1,4-Dichlorobenzene	106-46-7	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Semivolatiles (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Pyridine	110-86-1	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
2-Methylphenol	95-48-7	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
4-Methylphenol	106-44-5	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
3-Methylphenol	108-39-4	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Hexachloroethane	67-72-1	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Nitrobenzene	98-95-3	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Hexachlorobutadiene	87-68-3	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
2,4,6-Trichlorophenol	88-06-2	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
2,4,5-Trichlorophenol	95-95-4	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
2,4-Dinitrotoluene	121-14-2	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Hexachlorobenzene	118-74-1	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Pentachlorophenol	87-86-5	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
PCB's (ug/100cm2)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Aroclor-1016	12674-11-2	ND		1.00	0.400	ND		1.00	0.400	ND		1.00	0.400	~		~	~	~		~	~
Aroclor-1221	11104-28-2	ND		1.00	0.400	ND		1.00	0.400	ND		1.00	0.400	~		~	~	~		~	~
Aroclor-1232	11141-16-5	ND		1.00	0.400	ND		1.00	0.400	ND		1.00	0.400	~		~	~	~		~	~
Aroclor-1242	53469-21-9	ND		1.00	0.400	ND		1.00	0.400	ND		1.00	0.400	~		~	~	~		~	~
Aroclor-1248	12672-29-6	ND		1.00	0.400	ND		1.00	0.400	ND		1.00	0.400	~		~	~	~		~	~
Aroclor-1254	11097-69-1	15.3	D	1.00	0.400	76.0	D	1.00	0.400	88.5	D	1.00	0.400	~		~	~	~		~	~
Aroclor-1260	11096-82-5	ND		1.00	0.400	ND		1.00	0.400	ND		1.00	0.400	~		~	~	~		~	~
Aroclor-1262	37324-23-5	ND		1.00	0.400	ND		1.00	0.400	ND		1.00	0.400	~		~	~	~		~	~
Aroclor-1268	11100-14-4	ND		1.00	0.400	ND		1.00	0.400	ND		1.00	0.400	~		~	~	~		~	~
PCBs	1336-36-3	15.3	D	1.00	0.400	76.0	D	1.00	0.400	88.5	D	1.00	0.400	~		~	~	~		~	~
TCLP Pesticides (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
gamma-BHC (Lindane)	58-89-9	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Heptachlor	76-44-8	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Heptachlor epoxide	1024-57-3	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Endrin	72-20-8	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Methoxychlor	72-43-5	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Chlordane	12789-03-6	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Toxaphene	8001-35-2	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Herbicides (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
2,4-D	94-75-7	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
2,4,5-TP (Silvex)	93-72-1	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Hydrocarbons (ug/100cm2)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TPH-DRO	SRP 133	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Metals (ug/100cm2)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Lead	7439-92-1	~		~	~	~		~	~	~		~	~	365		1.25	0.625	95.3		1.25	0.625
TCLP Metals (mg/L)		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TCLP Arsenic	7440-38-2	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Barium	7440-39-3	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Cadmium	7440-43-9	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Chromium	7440-47-3	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Lead	7439-92-1	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Mercury	7439-97-6	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Selenium	7782-49-2	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
TCLP Silver	7440-22-4	~		~	~	~		~	~	~		~	~	~		~	~	~		~	~
Subcontracted Data		**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**

Standards are based upon published regulatory information.
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EDD created on 9/16/20

associated with ASTs. Samples CH-WC-14 through CH-WC-16 were collected from wall stains associated with electrical components. All Samples collected from Building

CH-WC-13				CH-WC-14				CH-WC-15				CH-WC-16				FIELD DUPLICATE 1				FIELD DUPLICATE 1			
05667-006				05667-007				05667-008				05667-009				05667-023				05667-024			
08/26/2020				08/26/2020				08/26/2020				08/26/2020				08/26/2020				08/26/2020			
Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
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Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
~		~	~	ND		0.050	0.020	ND		0.050	0.020	ND		0.500	0.200	ND		0.500	0.200	~		~	~
~		~	~	ND		0.050	0.020	ND		0.050	0.020	ND		0.500	0.200	ND		0.500	0.200	~		~	~
~		~	~	ND		0.050	0.020	ND		0.050	0.020	ND		0.500	0.200	ND		0.500	0.200	~		~	~
~		~	~	ND		0.050	0.020	ND		0.050	0.020	ND		0.500	0.200	ND		0.500	0.200	~		~	~
~		~	~	ND		0.050	0.020	ND		0.050	0.020	ND		0.500	0.200	ND		0.500	0.200	~		~	~
~		~	~	1.78		0.050	0.020	1.97		0.050	0.020	12.1	D	0.500	0.200	16.0	D	0.500	0.200	~		~	~
~		~	~	ND		0.050	0.020	ND		0.050	0.020	ND		0.500	0.200	ND		0.500	0.200	~		~	~
~		~	~	2.21		0.050	0.020	1.86		0.050	0.020	8.10	D	0.500	0.200	6.92	D	0.500	0.200	~		~	~
~		~	~	ND		0.050	0.020	ND		0.050	0.020	ND		0.500	0.200	ND		0.500	0.200	~		~	~
~		~	~	3.99		0.050	0.020	3.83		0.050	0.020	20.2	D	0.500	0.200	22.9	D	0.500	0.200	~		~	~
Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
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Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
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Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
368		1.25	0.625	~		~	~	~		~	~	~		~	~	~		~	~	75.3		1.25	0.625
Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
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Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL

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SAMPLE NOTES			Samples CH-WC-17 through CH-WC-19 were concrete chips collected from floor stains associated with ASTs. Samples CH-WC-20 though CH-WC-22 were concrete chips collected from floor stain associated with electrical components. All samples were collected from Building 113.							
Sample #:		Part 375-6.8(a)	COMP CH-WC-17 - CH-WC--19				COMP CH-WC-20 - CH-WC-22			
Field ID:		Unrestricted Use								
Lab ID:		Soil Cleanup	05667-025				05667-026			
Date Sampled:		Objectives	08/26/2020				08/26/2020			
Depth(ft):		(ppm)								
	CAS									
TCLP Volatiles (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Vinyl chloride	75-01-4	**0.02**	ND		**0.025**	0.00745	ND		**0.025**	0.00745
1,1-Dichloroethene	75-35-4	**0.33**	ND		0.025	0.021	ND		0.025	0.021
2-Butanone (MEK)	78-93-3	**0.12**	ND		0.100	0.035	ND		0.100	0.035
Chloroform	67-66-3	**0.37**	ND		0.025	0.00815	ND		0.025	0.00815
Carbon tetrachloride	56-23-5	**0.76**	ND		0.025	0.00595	ND		0.025	0.00595
1,2-Dichloroethane (EDC)	107-06-2	**0.02**	ND		**0.025**	0.014	ND		**0.025**	0.014
Benzene	71-43-2	**0.06**	ND		0.025	0.0072	ND		0.025	0.0072
Trichloroethene	79-01-6	**0.47**	ND		0.025	0.010	ND		0.025	0.010
Tetrachloroethene	127-18-4	**1.3**	ND		0.025	0.014	ND		0.025	0.014
Chlorobenzene	108-90-7	**1.1**	ND		0.025	0.014	ND		0.025	0.014
1,4-Dichlorobenzene	106-46-7	**1.8**	ND		0.050	0.020	ND		0.050	0.020
TCLP Semivolatiles (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Pyridine	110-86-1	**NS**	ND		0.020	0.00392	ND		0.020	0.00392
2-Methylphenol	95-48-7	**0.33**	ND		0.020	0.005	ND		0.020	0.005
4-Methylphenol	106-44-5	**0.33**	ND		0.020	0.00408	ND		0.020	0.00408
3-Methylphenol	108-39-4	**0.33**	ND		0.020	0.00408	ND		0.020	0.00408
Hexachloroethane	67-72-1	**NS**	ND		0.020	0.00428	ND		0.020	0.00428
Nitrobenzene	98-95-3	**NS**	ND		0.020	0.00856	ND		0.020	0.00856
Hexachlorobutadiene	87-68-3	**NS**	ND		0.020	0.00366	ND		0.020	0.00366
2,4,6-Trichlorophenol	88-06-2	**NS**	ND		0.020	0.00358	ND		0.020	0.00358
2,4,5-Trichlorophenol	95-95-4	**NS**	ND		0.020	0.00368	ND		0.020	0.00368
2,4-Dinitrotoluene	121-14-2	**NS**	ND		0.020	0.00284	ND		0.020	0.00284
Hexachlorobenzene	118-74-1	**0.33**	ND		0.020	0.00644	ND		0.020	0.00644
Pentachlorophenol	87-86-5	**0.8**	ND		0.020	0.00518	ND		0.020	0.00518
PCB's (mg/Kg)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Aroclor-1016	12674-11-2	**NS**	~		~	~	ND		0.040	0.016
Aroclor-1221	11104-28-2	**NS**	~		~	~	ND		0.040	0.016
Aroclor-1232	11141-16-5	**NS**	~		~	~	ND		0.040	0.016
Aroclor-1242	53469-21-9	**NS**	~		~	~	ND		0.040	0.016
Aroclor-1248	12672-29-6	**NS**	~		~	~	ND		0.040	0.016
Aroclor-1254	11097-69-1	**NS**	~		~	~	135	D	1.98	0.794
Aroclor-1260	11096-82-5	**NS**	~		~	~	ND		0.040	0.016
Aroclor-1262	37324-23-5	**NS**	~		~	~	ND		0.040	0.016
Aroclor-1268	11100-14-4	**NS**	~		~	~	ND		0.040	0.016
PCBs	1336-36-3	**0.1**	~		~	~	**135**	D	**1.98**	**0.794**
TCLP Pesticides (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
gamma-BHC (Lindane)	58-89-9	**0.1**	ND		0.00005	0.000025	ND		0.00005	0.000025
Heptachlor	76-44-8	**0.042**	ND		0.00005	0.000025	ND		0.00005	0.000025
Heptachlor epoxide	1024-57-3	**NS**	ND		0.00005	0.000025	ND		0.00005	0.000025
Endrin	72-20-8	**0.014**	ND		0.00005	0.000025	ND		0.00005	0.000025
Methoxychlor	72-43-5	**NS**	ND		0.00005	0.000025	ND		0.00005	0.000025
Chlordane	12789-03-6	**NS**	ND		0.000625	0.0003	ND		0.000625	0.0003
Toxaphene	8001-35-2	**NS**	ND		0.000625	0.0003	ND		0.000625	0.0003
TCLP Herbicides (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
2,4-D	94-75-7	**NS**	ND		0.100	0.040	ND		0.100	0.040
2,4,5-TP (Silvex)	93-72-1	**3.8**	ND		0.100	0.040	ND		0.100	0.040
Hydrocarbons (mg/Kg)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TPH-DRO	SRP 133	**NS**	18300		188	150	~		~	~
Metals (mg/Kg)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
Lead	7439-92-1	**63**	~		~	~	~		~	~
TCLP Metals (mg/L)			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**
TCLP Arsenic	7440-38-2	**NS**	ND		0.100	0.040	ND		0.100	0.040
TCLP Barium	7440-39-3	**NS**	0.656		0.100	0.050	0.679		0.100	0.050
TCLP Cadmium	7440-43-9	**NS**	ND		0.100	0.070	ND		0.100	0.070
TCLP Chromium	7440-47-3	**NS**	ND		0.100	0.070	ND		0.100	0.070
TCLP Lead	7439-92-1	**NS**	ND		0.100	0.060	0.222		0.100	0.060
TCLP Mercury	7439-97-6	**NS**	ND		0.0005	0.0002	ND		0.0005	0.0002
TCLP Selenium	7782-49-2	**NS**	ND		1.00	0.300	ND		1.00	0.300
TCLP Silver	7440-22-4	**NS**	ND		0.100	0.060	ND		0.100	0.060
Subcontracted Data			**Conc**	**Q**	**RL**	**MDL**	**Conc**	**Q**	**RL**	**MDL**

Renova Environmental Services
Project Name: CAMP HERO WC - BATTERY 113 ASTs
IAL SDG No:E20-05669

SAMPLE NOTES		Sample CH-WC-02 was collected from the ASTs Supply Line in Building 113			
Sample #:		CH-WC-02			
Field ID:					
Lab ID:		05669-001			
Date Sampled:		08/26/2020			
Depth(ft):					
	CAS				
Volatiles (mg/Kg)		**Conc**	**Q**	**RL**	**MDL**
Benzene	71-43-2	ND		25.0	7.20
Toluene	108-88-3	223	D	25.0	8.70
Ethylbenzene	100-41-4	283	D	25.0	13.5
Total Xylenes	1330-20-7	2020	D	50.0	44.1
TCLP Volatiles (mg/L)		**Conc**	**Q**	**RL**	**MDL**
Vinyl chloride	75-01-4	ND		25.0	7.45
1,1-Dichloroethene	75-35-4	ND		25.0	20.5
2-Butanone (MEK)	78-93-3	ND		100	35.1
Chloroform	67-66-3	ND		25.0	8.15
Carbon tetrachloride	56-23-5	ND		25.0	5.95
1,2-Dichloroethane (EDC)	107-06-2	ND		25.0	13.6
Benzene	71-43-2	ND		25.0	7.20
Trichloroethene	79-01-6	ND		25.0	10.3
Tetrachloroethene	127-18-4	ND		25.0	13.5
Chlorobenzene	108-90-7	ND		25.0	13.9
1,4-Dichlorobenzene	106-46-7	ND		50.0	19.6
TCLP Semivolatiles (mg/L)		**Conc**	**Q**	**RL**	**MDL**
Pyridine	110-86-1	ND		10.0	1.96
2-Methylphenol	95-48-7	ND		10.0	2.50
4-Methylphenol	106-44-5	ND		10.0	2.04
3-Methylphenol	108-39-4	ND		10.0	2.04
Hexachloroethane	67-72-1	ND		10.0	2.14
Nitrobenzene	98-95-3	ND		10.0	4.28
Hexachlorobutadiene	87-68-3	ND		10.0	1.83
2,4,6-Trichlorophenol	88-06-2	ND		10.0	1.79
2,4,5-Trichlorophenol	95-95-4	ND		10.0	1.84
2,4-Dinitrotoluene	121-14-2	ND		10.0	1.42
Hexachlorobenzene	118-74-1	ND		10.0	3.22
Pentachlorophenol	87-86-5	ND		10.0	2.59
TCLP Pesticides (mg/L)		**Conc**	**Q**	**RL**	**MDL**
gamma-BHC (Lindane)	58-89-9	ND		0.198	0.099
Heptachlor	76-44-8	ND		0.198	0.099
Heptachlor epoxide	1024-57-3	ND		0.198	0.099
Endrin	72-20-8	ND		0.198	0.099
Methoxychlor	72-43-5	ND		0.198	0.099
Chlordane	12789-03-6	ND		2.48	1.19
Toxaphene	8001-35-2	ND		2.48	1.19
TCLP Herbicides (mg/L)		**Conc**	**Q**	**RL**	**MDL**
2,4-D	94-75-7	ND		0.250	0.100
2,4,5-TP (Silvex)	93-72-1	ND		0.250	0.100
Hydrocarbons (mg/Kg)		**Conc**	**Q**	**RL**	**MDL**
TPH-DRO	SRP 133	830000		24300	19400
Metals (mg/Kg)		**Conc**	**Q**	**RL**	**MDL**
Lead	7439-92-1	1.21		0.250	0.125
TCLP Metals (mg/L)		**Conc**	**Q**	**RL**	**MDL**
TCLP Arsenic	7440-38-2	ND		0.100	0.040
TCLP Barium	7440-39-3	ND		0.100	0.050
TCLP Cadmium	7440-43-9	ND		0.100	0.070
TCLP Chromium	7440-47-3	0.277		0.100	0.070
TCLP Lead	7439-92-1	ND		0.100	0.060
TCLP Mercury	7439-97-6	ND		0.001	0.0004
TCLP Selenium	7782-49-2	ND		1.00	0.300
TCLP Silver	7440-22-4	ND		0.100	0.060
General Analytical		**Conc**	**Q**	**RL**	**MDL**
Flash Point-°C	IALCAS092	74.2		20.0	NA
Oil & Grease HEM-mg/Kg	IALCAS054	549000		250	125

BOLD Conc Indicates a concentration that exceeds applicable criteria.
BOLD RL Indicates RL that exceeds applicable criteria.
BOLD MDL Indicates MDL that exceeds applicable criteria.
NS = No Standard Available
ND = Analyzed for but Not Detected at the MDL
D = The compound was reported from the Diluted analysis

Standards are based upon published regulatory information.
Users are encouraged to consult appropriate regulatory sources for current values and updates.
IAL assumes no responsibility for the accuracy of these values.

EDD created on 9/16/20

Serial Number

American Testing Technologies, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

American Testing Technologies, Inc.
1350 Home Avenue, Suite G-I Akron, OH 44310
Website: www.AmericanTestingTechnologies.com
Toll Free: 877-634-9906 Phone: (330) 634-9906
Fax: (330) 634-9907

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Renova Long island	1898 Montauk Highway	NY
PROJECT MANAGER: JULIE M. BULLARD	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE)	CLIENT PHONE: 518-756-9997	CLIENT FAX: 518-756-9979
CLIENT NAME: TCI OF NY, LLC	CLIENT E-MAIL: BRIAN@TCI-NY.COM, JULIE@TCI-NY.COM	
CLIENT ADDRESS: 99 COEYMANS INDUSTRIAL PARK LANE, COEYMANS, NY 12045		

PAGE 1 OF 1

STANDARD REPORT DELIVERY
DATE DUE 48 HR TAT

EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE: AQUEOUS (WATER)	MATRIX TYPE: SOLID OR SEMISOLID	MATRIX TYPE: AIR	MATRIX TYPE: NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: PCB	REQUIRED ANALYSIS: SILICONE	REQUIRED ANALYSIS: KARL FISCHER (ppm)	REQUIRED ANALYSIS: VISCOSITY (cSt)	REQUIRED ANALYSIS: FAME	REMARKS
								PRESERVATIVE					
								NUMBER OF CONTAINERS SUBMITTED					
1/11/21	12:00p	T2311 - T2313					X	X					3 samples

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	1/12/21	3:00p						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABAORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	A.T.T. LOG NO.	LABORATORY REMARKS
Rachael Wain	1/13/21	930	YES ✓ NO ○		01321-03-05	

ORIGINAL - RETURN TO LABORATORY WITH SAMPLE(S)

American Testing Technologies, Inc.

TCI of NY, LLC
Attn: Julie Bullard
PO Box 936
99 Coeymans Industrial Park Lane
Coeymans, NY 12045

Date Received: 01/13/2021
Date Reported: 01/15/2021
Date Collected: 01/11/2021
Time Collected: 12:00 PM
Matrix: Oil
Method: 8082A
Date of Analysis: 01/13/2021

Certificate of Analysis
Renova Long Island 1898 Montauk Highway NY

Lab ID No.	Client ID No.	Aroclor 1016 PPM	Aroclor 1221 PPM	Aroclor 1232 PPM	Aroclor 1242 PPM	Aroclor 1248 PPM	Aroclor 1254 PPM	Aroclor 1260 PPM	PCBs Total PPM
011321-03	T2311	<0.199	<0.199	<0.199	<0.199	<0.199	<0.199	1	1
011321-04	T2312	<0.199	<0.199	<0.199	<0.199	<0.199	<0.199	2	2
011321-05	T2313	<0.199	<0.199	<0.199	<0.199	<0.199	<0.199	5	5
Detection Limits		0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199

Final report reviewed by:

Laboratory Manager

APPENDIX B

Asbestos-Containing Material (ACM) Disposal Manifest

US Environmental ABATEMENT CORP.

Drop Date: _____

Phone: (800) 300-8734
Fax: (516) 506-7984

NYSDEC 1A-1178

WASTE MANIFEST

Manifest No : 4953 Date : _____ Truck No. 8

Contractor : _____ Container No. 413 Load No. _____

Owner's Name: NYS LI PARK & REC

Address: P.O. Box 247
BABYLON NY 11792.

Material Origin Site:
1898 Montauk Highway
Montauk NY 11954

Site Supervisor: TOM BYKOW

Site Tel: 908-307-2500

Name and Address of Responsible NESHAPS Agency ☐ Other _____

U.S. EPA REGION II, 290 BROADWAY, NEW YORK, NY 10007

Description of Materials VAT

35 Bags Cube Yds.

☐ RQ Waste White Asbestos, Class 9, NA2212, PGIII

☐ RQ Waste White Asbestos, Class 9, UN2590, PGIII ☑ Material Type non-friable

Drums or Tons Other

Special Handling Instructions and Additional Information

SITE OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name And are classified packed, marked, labeled and are in all respects in proper condition for transport by highway according to applicable international government regulations.

DANNY GARCIA (Print / Type Name) SUPERVISOR (Title) (Signature) 5/21/2021 (Date)

Transporter 1 (Acknowledgement of Receipt of Materials

Company Name and Address
US Environmental Abatement Corp.
558 Union Avenue
Westbury, NY 11590

Signature Daniel
Print Name Daniel
Title DRIVER

Telephone No. 800-300-8734
Date

Transporter 2 (Acknowledgement of Receipt of Materials

Company Name and Address

Signature
Print Name
Title DRIVER

Telephone No.
Date

Discrepancy Indication Space

Waste Disposal Site Owner or Operator's Certification (Receipt of Above Waste Accepted)

Waste Disposal Site	(Check One)		
Southern Alleghenies ☐ 843 Miller Parking Rd. Davidsville, PA 15928 814-479-2483	Minerva Landfill ☐ 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435	110 Sand Co ☑ 170 Cabot St. W. Babylon, NY 11704 631-694-2822	Signature: M Print Name: Michael Fritz Title: 641987 Date: 5/21/21

APPENDIX C

Hazardous Waste Disposal Manifest

Camp Hero

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800314 8606	4. Manifest Tracking Number 015330560 JJK

5. Generator's Name and Mailing Address: [illegible] Environmental Services, 2417 Sunset Ave. [illegible] Township, NJ 07712

Generator's Site Address (if different than mailing address): [illegible] Camp Hero, 1898 Montauk Hwy, Montauk, NY 11954

Generator's Phone:

6. Transporter 1 Company Name: [illegible] — U.S. EPA ID Number: NJD986648085

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Veolia ES, 1 Eden Lane, Flanders, NJ 07836 — 973-347-7111 — U.S. EPA ID Number: NJD980536593

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non RCRA Non DOT Regulated Solids (Used oil cans) [illegible]	1	DM	50	P	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Line 1 Approval # [illegible]

ERG NY0231078S

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	03	31	2021

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

U.S. EPA Form 8700-22

Read all instructions before completing this form.

1. This form has been designed for use on a 12-pitch (elite) typewriter which is also compatible with standard computer printers; a firm point pen may also be used—press down hard.
2. Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, and disposal facilities to complete this form (EPA Form 8700–22) and, if necessary, the continuation sheet (EPA Form 8700–22A) for both inter- and intrastate transportation of hazardous waste.

I. Instructions for Generators

Item 1. Generator's U.S. EPA Identification Number

Enter the generator's U.S. EPA twelve digit identification number, or the State generator identification number if the generator site does not have an EPA identification number.

Item 2. Page 1 of ___

Enter the total number of pages used to complete this Manifest (*i.e.*, the first page (EPA Form 8700-22) plus the number of Continuation Sheets (EPA Form 8700-22A), if any).

Item 3. Emergency Response Phone Number

Enter a phone number for which emergency response information can be obtained in the event of an incident during transportation. The emergency response phone number must:

1. Be the number of the generator or the number of an agency or organization who is capable of and accepts responsibility for providing detailed information about the shipment;
2. Reach a phone that is monitored 24 hours a day at all times the waste is in transportation (including transportation related storage); and
3. Reach someone who is either knowledgeable of the hazardous waste being shipped and has comprehensive emergency response and spill cleanup/incident mitigation information for the material being shipped or has immediate access to a person who has that knowledge and information about the shipment.

Note: Emergency Response phone number information should only be entered in Item 3 when there is one phone number that applies to all the waste materials described in Item 9b. If a situation (*e.g.*, consolidated shipments) arises where more than one Emergency Response phone number applies to the various wastes listed on the manifest, the phone numbers associated with each specific material should be entered after its description in Item 9b.

Item 4. Manifest Tracking Number

This unique tracking number must be pre-printed on the manifest by the forms printer.

Item 5. Generator's Mailing Address, Phone Number and Site Address

Enter the name of the generator, the mailing address to which the completed manifest signed by the designated facility should be mailed, and the generator's telephone number. Note, the telephone number (including area code) should be the normal business number for the generator, or the number where the generator or his authorized agent may be reached to provide instructions in the event the designated and/or alternate (if any) facility rejects some or all of the shipment. Also enter the physical site address from which the shipment originates only if this address is different than the mailing address.

Item 6. Transporter 1 Company Name, and U.S. EPA ID Number

Enter the company name and U.S. EPA ID number of the first transporter who will transport the waste. Vehicle or driver information may not be entered here.

Item 7. Transporter 2 Company Name and U.S. EPA ID Number

If applicable, enter the company name and U.S. EPA ID number of the second transporter who will transport the waste. Vehicle or driver information may not be entered here.

If more than two transporters are needed, use a Continuation Sheet(s) (EPA Form 8700-22A).

Item 8. Designated Facility Name, Site Address, and U.S. EPA ID Number

Enter the company name and site address of the facility designated to receive the waste listed on this manifest. Also enter the facility's phone number and the U.S. EPA twelve digit identification number of the facility.

Item 9. U.S. DOT Description (Including Proper Shipping Name, Hazard Class or Division, Identification Number, and Packing Group)

Item 9a. If the wastes identified in Item 9b consist of both hazardous and nonhazardous materials, then identify the hazardous materials by entering an "X" in this Item next to the corresponding hazardous material identified in Item 9b.

Item 9b. Enter the U.S. DOT Proper Shipping Name, Hazard Class or Division, Identification Number (UN/NA) and Packing Group for each waste as identified in 49 CFR 172. Include technical name(s) and reportable quantity references, if applicable.

Note: If additional space is needed for waste descriptions, enter these additional descriptions in Item 27 on the Continuation Sheet (EPA Form 8700-22A). Also, if more than one Emergency Response phone number applies to the various wastes described in either Item 9b or Item 27, enter applicable Emergency Response phone numbers immediately following the shipping descriptions for those Items.

Item 10. Containers (Number and Type)

Enter the number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

TABLE I.–TYPES OF CONTAINERS

BA = Burlap, cloth, paper, or plastic bags.	DT = Dump truck.
CF = Fiber or plastic boxes, cartons, cases.	DW = Wooden drums, barrels, kegs.
CM = Metal boxes, cartons, cases (including roll-offs).	HG = Hopper or gondola cars.
CW = Wooden boxes, cartons, cases.	TC = Tank cars.
CY = Cylinders.	TP = Portable tanks.
DF = Fiberboard or plastic drums, barrels, kegs.	TT = Cargo tanks (tank trucks).
DM = Metal drums, barrels, kegs.	

Item 11. Total Quantity

Enter, in designated boxes, the total quantity of waste. Round partial units to the nearest whole unit, and *do not* enter decimals or fractions. To the extent practical, report quantities using appropriate units of measure that will allow you to report quantities with precision. Waste quantities entered should be based on actual measurements or reasonably accurate estimates of actual quantities shipped. Container capacities are not acceptable as estimates.

Item 12. Units of Measure (Weight/Volume)

Enter, in designated boxes, the appropriate abbreviation from Table II (below) for the unit of measure.

TABLE II.–UNITS OF MEASURE

G = Gallons (liquids only).	N = Cubic Meters.
K = Kilograms.	P = Pounds.
L = Liters (liquids only).	T = Tons (2000 Pounds).
M = Metric Tons (1000 kilograms).	Y = Cubic Yards.

Note: Tons, Metric Tons, Cubic Meters, and Cubic Yards should only be reported in connection with very large bulk shipments, such as rail cars, tank trucks, or barges.

Item 13. Waste Codes

Enter up to six federal and state waste codes to describe each waste stream identified in Item 9b. State waste codes that are not redundant with federal codes must be entered here, in addition to the federal waste codes which are most representative of the properties of the waste.

Item 14. Special Handling Instructions and Additional Information

1. Generators may enter any special handling or shipment-specific information necessary for the proper management or tracking of the materials under the generator's or other handler's business processes, such as waste profile numbers, container codes, bar codes, or response guide numbers. Generators also may use this space to enter additional descriptive information about their shipped materials, such as chemical names, constituent percentages, physical state, or specific gravity of wastes identified with volume units in Item 12.
2. This space may be used to record limited types of federally required information for which there is no specific space provided on the manifest, including any alternate facility designations; the manifest tracking number of the original manifest for rejected wastes and residues that are re-shipped under a second manifest; and the specification of PCB waste descriptions and PCB out-of-service dates required under 40 CFR 761.207. Generators, however, cannot be required to enter information in this space to meet state regulatory requirements.

Item 15. Generator's/Offeror's Certifications

1. The generator must read, sign, and date the waste minimization certification statement. In signing the waste minimization certification statement, those generators who have not been exempted by statute or regulation from the duty to make a waste minimization certification under section 3002(b) of RCRA are also certifying that they have complied with the waste minimization requirements. The Generator's Certification also contains the required attestation that the shipment has been properly prepared and is in proper condition for transportation (the shipper's certification). The content of the shipper's certification statement is as follows: "I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent." When a party other than the generator prepares the shipment for transportation, this party may also sign the shipper's certification statement as the offeror of the shipment.
2. Generator or Offeror personnel may preprint the words, "On behalf of" in the signature block or may hand write this statement in the signature block prior to signing the generator/offeror certification, to indicate that the individual signs as the employee or agent of the named principal.

Note: All of the above information except the handwritten signature required in Item 15 may be pre-printed.

APPENDIX D

AST Contents + Wash-Water Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone: 800-394-8644

4. Waste Tracking Number: 0004497

5. Generator's Name and Mailing Address: Renova Environmental Services, 3417 Sunset Ave, Ocean Township NJ 07712

Generator's Phone:

Generator's Site Address (if different than mailing address): Renova Campitero, 1789 Montauk Highway, Montauk NY 11954

6. Transporter 1 Company Name

U.S. EPA ID Number: NYD986908085

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: Waterworks 845 561 4111, 77 Seward Ave, Newburgh, NY 12550

Facility's Phone:

U.S. EPA ID Number: NYR000236349

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON-RCRA, NON-DOT Regulated Liquids (Oil/water)	1	TT		G
2. NON-RCRA, NON-DOT Regulated Liquids	1	DF		G
3.				
4.				

13. Special Handling Instructions and Additional Information

Line # 1 Approval # 150

Line # 2 Approval # 150

JOB NY02210785

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Steven Timan, Ikale | Signature | Month 08 | Day 09 | Year 21

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

APPENDIX E

Building 10 Sample Summary Results

Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Renova Environmental Services
3417 Sunset Ave.
Ocean, NJ 07712

Project Name: **CAMP HERO BUILDING #10**
IAL Case Number: **E21-03248**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252

IAL is a NELAP accredited lab (TNI01284) and maintains certification in Connecticut (PH-0699), New Jersey (14751), New York (11402) and Pennsylvania (68-00773).

RESULTS SUMMARY REPORT

SUMMARY REPORT
Client: Renova Environmental Services
Project: CAMP HERO BUILDING #10
Lab Case No.: E21-03248

Lab ID:	03248-001			03248-002			03248-003			03248-004		
Client ID:	CH-FB-01			CH-CS-01			CH-CS-02			CH-CS-03		
Matrix:	Wipes			Solid			Solid			Solid		
Sampled Date	5/20/21			5/20/21			5/20/21			5/20/21		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (Units)	*(ug/100cm2)*			*(mg/Kg)*			*(mg/Kg)*			*(mg/Kg)*		
Benzene	~		~	~		~	~		~	ND		0.00043
Toluene	~		~	~		~	~		~	ND		0.000605
Ethylbenzene	~		~	~		~	~		~	ND		0.000545
Total Xylenes	~		~	~		~	~		~	ND		0.00195
Isopropylbenzene	~		~	~		~	~		~	ND		0.00107
n-Propylbenzene	~		~	~		~	~		~	ND		0.00069
1,3,5-Trimethylbenzene	~		~	~		~	~		~	ND		0.00106
tert-Butylbenzene	~		~	~		~	~		~	ND		0.0011
1,2,4-Trimethylbenzene	~		~	~		~	~		~	ND		0.00136
sec-Butylbenzene	~		~	~		~	~		~	ND		0.00118
4-Isopropyltoluene	~		~	~		~	~		~	ND		0.00187
n-Butylbenzene	~		~	~		~	~		~	ND		0.00185
Naphthalene	~		~	~		~	~		~	0.00381	DJ	0.00209
m,p-Xylene	~		~	~		~	~		~	ND		0.00195
o-Xylene	~		~	~		~	~		~	ND		0.0007
Semivolatiles - BN (Units)	*(ug/100cm2)*			*(mg/Kg)*			*(mg/Kg)*			*(mg/Kg)*		
Acenaphthylene	~		~	~		~	~		~	ND		0.027
Acenaphthene	~		~	~		~	~		~	ND		0.028
Fluorene	~		~	~		~	~		~	ND		0.028
Phenanthrene	~		~	~		~	~		~	0.178		0.031
Anthracene	~		~	~		~	~		~	ND		0.033
Fluoranthene	~		~	~		~	~		~	ND		0.032
Pyrene	~		~	~		~	~		~	ND		0.030
Benzo[a]anthracene	~		~	~		~	~		~	ND		0.020
Chrysene	~		~	~		~	~		~	ND		0.031
Benzo[b]fluoranthene	~		~	~		~	~		~	ND		0.032
Benzo[k]fluoranthene	~		~	~		~	~		~	ND		0.028
Benzo[a]pyrene	~		~	~		~	~		~	ND		0.029
Indeno[1,2,3-cd]pyrene	~		~	~		~	~		~	ND		0.032
Dibenz[a,h]anthracene	~		~	~		~	~		~	ND		0.031
Benzo[g,h,i]perylene	~		~	~		~	~		~	ND		0.032
Hydrocarbons (Units)	*(mg/100cm2)*			*(mg/Kg)*			*(mg/Kg)*			*(mg/Kg)*		
TPH-DRO	142		40.0	~		~	~		~	358		138

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = Concentration detected at a value below the RL and above the MDL for target compounds.
For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.
D = The compound was reported from the Diluted analysis
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

SUMMARY REPORT
Client: Renova Environmental Services
Project: CAMP HERO BUILDING #10
Lab Case No.: E21-03248

	Lab ID:	03248-005			03248-006		
	Client ID:	CH-WS-01			CH-WS-02		
	Matrix:	Wipes			Wipes		
	Sampled Date	5/20/21			5/20/21		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL
Hydrocarbons (Units)		*(mg/100cm2)*			*(mg/100cm2)*		
TPH-DRO		154		40.0	273		40.0

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = Concentration detected at a value below the RL and above the MDL for target compounds.
For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.
D = The compound was reported from the Diluted analysis
All qualifiers on individual Volatiles & Semivolatiles are carried down through summation.

APPENDIX F

Building 107 Sample Summary Results

Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Renova Environmental Services
3417 Sunset Ave.
Ocean, NJ 07712

Project Name: **CAMP HERO BUILDING #107**
IAL Case Number: **E21-03249**

These data have been reviewed and accepted by:

Michael H. Lefkin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252

IAL is a NELAP accredited lab (TNI01284) and maintains certification in Connecticut (PH-0699), New Jersey (14751), New York (11402) and Pennsylvania (68-00773).

RESULTS SUMMARY REPORT

SUMMARY REPORT
Client: Renova Environmental Services
Project: CAMP HERO BUILDING #107
Lab Case No.: E21-03249

Lab ID:	03249-001			03249-002			03249-003			03249-004		
Client ID:	CH-FB-02			CH-CS-04			CH-CS-05			CH-WS-03		
Matrix:	Wipes			Solid			Solid			Wipes		
Sampled Date	5/20/21			5/20/21			5/20/21			5/20/21		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(ug/100cm2)*			*(mg/Kg)*			*(mg/Kg)*			*(ug/100cm2)*		
Aroclor-1016	ND		0.150	ND		0.00574	~		~	ND		0.150
Aroclor-1221	ND		0.150	ND		0.00574	~		~	ND		0.150
Aroclor-1232	ND		0.150	ND		0.00574	~		~	ND		0.150
Aroclor-1242	ND		0.150	ND		0.00574	~		~	ND		0.150
Aroclor-1248	ND		0.150	ND		0.00574	~		~	ND		0.150
Aroclor-1254	ND		0.150	0.011	J	0.00574	~		~	ND		0.150
Aroclor-1260	ND		0.150	ND		0.00574	~		~	ND		0.150
Aroclor-1262	ND		0.150	ND		0.00574	~		~	ND		0.150
Aroclor-1268	ND		0.150	ND		0.00574	~		~	ND		0.150
PCBs	ND		0.150	0.011	J	0.00574	~		~	ND		0.150

Lab ID:	03249-005		
Client ID:	CH-WS-04		
Matrix:	Wipes		
Sampled Date	5/20/21		
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	*(ug/100cm2)*		
Aroclor-1016	ND		0.150
Aroclor-1221	ND		0.150
Aroclor-1232	ND		0.150
Aroclor-1242	ND		0.150
Aroclor-1248	ND		0.150
Aroclor-1254	0.168	DJ	0.150
Aroclor-1260	ND		0.150
Aroclor-1262	ND		0.150
Aroclor-1268	ND		0.150
PCBs	0.168	DJ	0.150

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = Concentration detected at a value below the RL and above the MDL for target compounds. For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.
D = The compound was reported from the Diluted analysis

APPENDIX G

NYSDEC Tank Registration Correspondence

RENOVA environmental services

Ryan Bilgrav <ryan@renovaenviro.com>

Camp hero: Aboveground Storage Tank Removal

3 messages

Ryan Bilgrav <ryan@renovaenviro.com> Thu, Dec 17, 2020 at 2:02 PM
To: nick.acampora@dec.ny.gov

Hi Nick,

Renova was contracted by the US Army Corps of Engineers two remove two 250-gallon aboveground storage tanks at the former Camp Hero Site. The tanks currently contain a water and petroleum fuel mix. Would these tanks and the facility need to be registered with NYSDEC prior to their removal?

Thank you for your assistance,
Ryan

Ryan Bilgrav | **Project Scientist**
Main: 732.659.1000 | Fax: 732.659.1034
ryan@renovaenviro.com

Renova Environmental Services
3417 Sunset Ave. | Ocean Twp., NJ 07712 | www.renovaenviro.com

SBA 8(a)-certified and HUBZone-certified

2020 SBA Region II Small Business Prime Contractor of the Year

---

Acampora, Nick (DEC) <nick.acampora@dec.ny.gov> Fri, Dec 18, 2020 at 10:30 AM
To: Ryan Bilgrav <ryan@renovaenviro.com>

Ryan:

No, just let me know when they are scheduled to be removed. Where are they located?

Sincerely,

Nick Acampora

Environmental Program Specialist II, Division of Environmental Remediation

New York State Department of Environmental Conservation

50 Circle Road, SUNY @ Stony Brook, Stony Brook, NY 11790-3409

P: (631) 444-0322 | F: (631) 444-0328 | nick.acampora@dec.ny.gov

www.dec.ny.gov |

From: Ryan Bilgrav <ryan@renovaenviro.com>
Sent: Thursday, December 17, 2020 2:03 PM
To: Acampora, Nick (DEC) <nick.acampora@dec.ny.gov>
Subject: Camp hero: Aboveground Storage Tank Removal

[Quoted text hidden]

Ryan Bilgrav <ryan@renovaenviro.com> Fri, Dec 18, 2020 at 11:09 AM
Draft To: "Acampora, Nick (DEC)" <nick.acampora@dec.ny.gov>

Ryan Bilgrav | **Project Scientist**
Main: 732.659.1000 | Fax: 732.659.1034
ryan@renovaenviro.com

Renova Environmental Services
3417 Sunset Ave. | Ocean Twp., NJ 07712 | www.renovaenviro.com

SBA 8(a)-certified and HUBZone-certified

2020 SBA Region II Small Business Prime Contractor of the Year

[Quoted text hidden]

Camp Hero AST location.pdf
9052K

APPENDIX H

ASTs Scrap Receipt

THIS MEMORANDUM is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, not a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. H705

(Carrier) Miller Env. Corp SCAC. Carrier's No.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at , date from

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee for purposes of notification only.)

TO:
Consignee
Street
Destination Gershow Rivenhead NY. Zip 11901

FROM:
Shipper Remove Environmental Svc
Street
Origin Zip

Route:

Delivering Carrier | Trailer Initial/ Number | U.S. DOT Hazmat Reg. Number

Number of packages	HM	Description of articles, special marks, and exceptions	*Weight (subject to correction)	Class or rate	Check column	Charges (for carrier use only)
1 yard		metals				

Remit C.O.D. to:
Address:
City: State: Zip:

COD
AMT: $

C. O. D. FEE:
Prepaid ☐
Collect ☐ $

TOTAL CHARGES:
$

FREIGHT CHARGES
FREIGHT PREPAID
Except when box at right is checked ☐ CHECK BOX if charges are to be collect

Note. – where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of consignor)

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

SHIPPER: Remove Env. Services
PER: DATE: 5-22-24

CARRIER: Miller Environ Inc
PER: DATE: 5-22-24

Permanent post office address of shipper

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604).

10-BLS-A3 489
(Rev. 11/04)

THIS MEMORANDUM is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, not a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. 4705

(Carrier) Miller Environmental SCAC. Carrier's No.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at , date from

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: (Mail or street address of consignee for purposes of notification only.)
Consignee
Street
Destination Montauk New York
Rt 4.
Zip

FROM:
Shipper Montauk N.Y.
Street camp Hero
Origin
Zip 11954

Route:

Delivering Carrier | Trailer Initial/ Number | U.S. DOT Hazmat Reg. Number

Number of packages	HM	Description of articles, special marks, and exceptions	*Weight (subject to correction)	Class or rate	Check column	Charges (for carrier use only)
5 YARDS		COD				

Remit C.O.D. to:
Address:
City: State: Zip:

COD
AMT: $

C. O. D. FEE:
Prepaid ☐
Collect ☐ $

TOTAL CHARGES:
$

FREIGHT CHARGES
FREIGHT PREPAID
Except when box at right is checked ☐ CHECK BOX if charges are to be collect

Note. – where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of consignor)

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).
This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

SHIPPER: Reeves Envir. Services DATE: 5-27-21
PER:

CARRIER: Miller Environmental DATE: 5-27-21
PER:

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )
Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (§172.604).

Permanent post office address of shipper

10-BLS-A3 489
(Rev. 11/04)

APPENDIX I

Transformers + PCB Fluid Disposal Manifest

BILL OF LADING

TCI NEW YORK

Document No. 21-0274
14658

GENERATOR NAME AND MAILING ADDRESS:

NYS LI PK & REC
PO Box 247
Babylon, NY 11702

US EPA ID NUMBER: (OPTIONAL)
NY bg a 6 9 4 3 5 1 2

PICKUP LOCATION (NAME & STREET ADDRESS):

1898 Montauk Highway
Montauk NY 11954

Broker: RENOVA ENVIRONMENTAL SERVICES
Quote: 1912020N

Contact: TOM BYKOW

Phone Number: 908-307-2500

DESIGNATED FACILITY NAME & SITE ADDRESS:

TCI of NY, LLC
99 Coeymans Industrial Park Ln
Coeymans, NY 12045

US EPA ID NUMBER: (OPTIONAL)
NY R0 0 0 2 1 1 5 4 0

Contact: Brian Hemlock

Phone Number: 518-756-9997

DESCRIPTION OF SHIPMENT

No. of Units	Type	Full/Empty	KVA	PCB Content	Total Weight
45	TRANSFORMER	0	0	DRY	1000
3	3W	24	0	<50	380
1	JUNCTION BOX	0	0	DRY	110

Type: P= Pole, PM = Padmount, DM = Drums, S = Switch, R = Regulators, O = OCB, B = Bushings, LB = Light Ballasts, SS = Substation, C = Capacitor

Generator's Certification: I certify the materials described above are not subject to federal regulations for reporting proper disposal of Hazardous Waste and that I am authorized to convey this material by the owner who holds clear title.

Anthony Person — PRINTED/TYPED NAME; SIGNATURE; 5-25-21 — DATE

Transporter: AllState O.R.C., Inc.

Pickup Times: TIME IN: 12:00 a.m. p.m.; TIME OUT: 1:30 a.m. p.m.

Michael Johnson — DRIVER NAME PRINTED/TYPED; SIGNATURE; 05/25/21 — DATE

Additional Information

Designated Facility Owner or Operator – Certification of Receipt of Materials with Discrepancies Noted:

Rebecca O'Neill — PRINTED/TYPED NAME; SIGNATURE; 6/1/21 — DATE

ORIGINAL-RETURN TO GENERATOR

JUN 11 2021 #545

RECEIVED
JUN 03 2021

CCN222702 211747 #611141

Please print or type. Form approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	N Y D9 8 6 9 4 3 5 1 2	1	800-424-9300	006440319 GBF

GENERATOR

5. Generator's Name and Mailing Address
NYS LI PK & REC
PO Box 247
Babylon, NY 11702
Generator's Phone: 631-668-2765

Generator's Site Address (if different than mailing address)
1898 Montauk Highway 21-0274
Montauk NY 11954

6. Transporter 1 Company Name
AllState O.R.C., Inc.
U.S. EPA ID Number
N J D9 8 6 5 8 8 6 3 0

7. Transporter 2 Company Name
TCI of NY, LLC
U.S. EPA ID Number
N Y R 0 0 0 2 1 1 5 4 0

8. Designated Facility Name and Site Address
TCI of Alabama, LLC
101 Parkway East
Pell City, AL 35125
Facility's Phone: 205-338-9997
U.S. EPA ID Number
A L D9 8 3 1 6 7 8 9 1

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ UN3432 Polychlorinated Biphenyls SOLID 9, PGIII TAR FILLED PCB MISC EQUIP	~~17~~ 7	~~CM~~ DM	352	K	B007	R	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Dike and contain in case of spill. ERG-171 Emergency Contact: CHEMTREC 24 Hours
Broker: RENOVA ENVIRONMENTAL SERVICES Quote: 1912020N

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name ON BEHALF OF DOD
Shewen Bian - USACE
Signature
Month 05 Day 25 Year 2021

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name
Michael Johnson
Signature
Month 05 Day 25 Year 21

Transporter 2 Printed/Typed Name
Rebecca O'Neill
Signature
Rebecca O'Neill
Month 6 Day 1 Year 21

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
1) REC'D 7 DM CONTAINING 17 UN 3906 LB. = 1775 K.
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H010 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
John McClurkin
Signature
John McClurkin
Month 6 Day 3 Year 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

TCI OF ALABAMA, LLC

Receiving Report for Shipment 211747

Company_Name NYS LI PK & REC

Date_Pickup 5/25/2021

ID_Manifest 006440319GBF

#	Gen Ref #	Serial #	Type	Size	PCB (ppm)	RFS	Gals	Lbs	Kg
CONTAINER OF DRAINED PCB ELECTRICAL EQUIPMENT									
001		POTHEAD1	POTHEAD	0	500	5/25/2021	0.0	174	79
002		POTHEAD2	POTHEAD	0	500	5/25/2021	0.0	175	80
003		POTHEAD3	POTHEAD	0	500	5/25/2021	0.0	175	80
004		JUNCBX-POTHD1	POTHEAD	0	500	5/25/2021	0.0	174	79
005		JUNCBX-POTHD2	POTHEAD	0	500	5/25/2021	0.0	193	88
006		JUNCBX-POTHD3	POTHEAD	0	500	5/25/2021	0.0	193	88
007		TARFLLDPTS-1	P.T.	0	500	5/25/2021	0.0	194	88
008		TARFLLDPTS-2	P.T.	0	500	5/25/2021	0.0	194	88
009		TARFLLDPOTHDS-1	POTHEAD	0	500	5/25/2021	0.0	234	106
010		TARFLLDPOTHDS-2	POTHEAD	0	500	5/25/2021	0.0	234	106
011		TARFLLDPOTHDS-3	POTHEAD	0	500	5/25/2021	0.0	233	106
012		TARFLLDPOTHDS-4	POTHEAD	0	500	5/25/2021	0.0	233	106
013		TARFLLDPOTHDS-5	POTHEAD	0	500	5/25/2021	0.0	301	137
014		TARFLLDPOTHDS-6	POTHEAD	0	500	5/25/2021	0.0	301	137
015		TARFLLDPOTHDS-7	POTHEAD	0	500	5/25/2021	0.0	301	137
016		TARFLLDPOTHDS-8	POTHEAD	0	500	5/25/2021	0.0	301	137
017		TARFLLDPOTHDS-9	POTHEAD	0	500	5/25/2021	0.0	296	135
Quantity: 17			**Sum**	0		**Sum**	0.0	3906	1775
Total Qty: 17			**Total**	0		**Total**	0.0	3906	1775

American Testing Technologies, Inc.

TCI of NY, LLC
Attn: Julie Bullard
PO Box 936
99 Coeymans Industrial Park Lane
Coeymans, NY 12045

Date Received: 01/13/2021
Date Reported: 01/15/2021
Date Collected: 01/11/2021
Time Collected: 12:00 PM
Matrix: Oil
Method: 8082A
Date of Analysis: 01/13/2021

Certificate of Analysis
Renova Long Island 1898 Montauk Highway NY

Lab ID No.	Client ID No.	Aroclor 1016 PPM	Aroclor 1221 PPM	Aroclor 1232 PPM	Aroclor 1242 PPM	Aroclor 1248 PPM	Aroclor 1254 PPM	Aroclor 1260 PPM	PCBs Total PPM
011321-03	T2311	<0.199	<0.199	<0.199	<0.199	<0.199	<0.199	1	1
011321-04	T2312	<0.199	<0.199	<0.199	<0.199	<0.199	<0.199	2	2
011321-05	T2313	<0.199	<0.199	<0.199	<0.199	<0.199	<0.199	5	5
Detection Limits		0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199

Final report reviewed by:

Laboratory Manager

Customer: NYS LI PK & REC **BOL:** 14658 **Pickup ID#:** 21-0274

Manifest: 006440319GBF

Picked Up - Driver	Picked Up - Plant	TCI #	Test Results	Serial	Gallons Oil	Weight	KVA	Type	Comments	Out of Serv Date
✓		T2311	1	OIL SWITCH	2		0	SW	BUNKER	5/25/2021
✓		T2312	2	OIL SWITCH	2		0	SW	BUNKER	5/25/2021
✓		T2313	5	SWITCH	20		0	SW	BUNKER	5/25/2021
✓		POTHEAD1	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		POTHEAD2	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		POTHEAD3	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		DRYJUNCBX-1	DRY	DRY JUNCTION BOX	0		0	JUNCT BOX	BUNKER	5/25/2021
✓		JUNCBX-POTHD1	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		JUNCBX-POTHD2	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		JUNCBX-POTHD3	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		TARFLLDPTS-1	PCB	TAR FILLED PT	0		0	PT	BUNKER	5/25/2021
✓		TARFLLDPTS-2	PCB	TAR FILLED PT	0		0	PT	BUNKER	5/25/2021
✓		TARFLLDPOTHDS-1	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		TARFLLDPOTHDS-2	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		TARFLLDPOTHDS-3	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		TARFLLDPOTHDS-4	PCB	TAR POTHEAD	0		0	POT HEAD	BUNKER	5/25/2021
✓		DRYTRNSFRMR-1	DRY	DRY TRANSFORMER	0		0	TRANSFORMER	BUNKER, 6'3"Tx3'6"Wx6'6"	5/25/2021
✓		DRYTRNSFRMR-2	DRY	DRY TRANSFORMER	0		0	TRANSFORMER	BUNKER, 6'Tx3'6"Wx3'6"L	5/25/2021
✓		DRYTRNSFRMR-3	DRY	DRY TRANSFORMER	0		0	TRANSFORMER	BUNKER	5/25/2021
✓		DRYTRNSFRMR-4	DRY	DRY TRANSFORMER	0		0	TRANSFORMER	BUNKER	5/25/2021
✓		TARFLLDPOTHDS-5	PCB	TAR POTHEAD	0		0	POT HEAD	BASEMENT	5/25/2021
✓		TARFLLDPOTHDS-6	PCB	TAR POTHEAD	0		0	POT HEAD	BASEMENT	5/25/2021
✓		TARFLLDPOTHDS-7	PCB	TAR POTHEAD	0		0	POT HEAD	BASEMENT	5/25/2021
✓		TARFLLDPOTHDS-8	PCB	TAR POTHEAD	0		0	POT HEAD	BASEMENT	5/25/2021
✓		TARFLLDPOTHDS-9	PCB	TAR POTHEAD	0		0	POT HEAD	BASEMENT	5/25/2021

ADDENDUM TO MANIFEST

Generator Name:
NYS LI PK & REC

US EPA ID No:
N Y D9 8 6 9 4 3 5 1 2

Addendum to Manifest No.
006440319GBF

Item	Serial #	Type	PCB	Gal.	Weight	KVA	Date Out Of Service
POTHEAD1	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
POTHEAD2	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
POTHEAD3	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
JUNCBX-POTHD1	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
JUNCBX-POTHD2	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
JUNCBX-POTHD3	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPTS-1	TAR FILLED PT	PT	PCB	0		0	5/25/2021
TARFLLDPTS-2	TAR FILLED PT	PT	PCB	0		0	5/25/2021
TARFLLDPOTHDS-1	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPOTHDS-2	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPOTHDS-3	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPOTHDS-4	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPOTHDS-5	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPOTHDS-6	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPOTHDS-7	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPOTHDS-8	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021
TARFLLDPOTHDS-9	TAR POTHEAD	POTHEAD	PCB	0		0	5/25/2021

APPENDIX J

Battery 113 Sample Summary Results

Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Renova Environmental Services
3417 Sunset Ave.
Ocean, NJ 07712

Project Name: **CAMP HERO BUNKER #113**
IAL Case Number: **E21-03338**

These data have been reviewed and accepted by:

Michael H. Lefkin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252

IAL is a NELAP accredited lab (TNI01284) and maintains certification in Connecticut (PH-0699), New Jersey (14751), New York (11402) and Pennsylvania (68-00773).

RESULTS SUMMARY REPORT

SUMMARY REPORT
Client: Renova Environmental Services
Project: CAMP HERO BUNKER #113
Lab Case No.: E21-03338

	Lab ID:	03338-001			03338-002			03338-003			03338-004		
	Client ID:	CH-FB-03			CH-WS-05			CH-WS-05			CH-CS-06		
	Matrix:	Wipes			Wipes			Wipes			Solid		
	Sampled Date	5/27/21			5/27/21			5/27/21			5/27/21		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Hydrocarbons (Units)		*(ug/100cm2)*			*(ug/100cm2)*			*(ug/100cm2)*			*(mg/Kg)*		
TPH-DRO		148		40.0	3600		40.0	27700		400	7280		155

	Lab ID:	03338-005			03338-006		
	Client ID:	CH-CS-07			CH-CS-08		
	Matrix:	Solid			Solid		
	Sampled Date	5/27/21			5/27/21		
PARAMETER(Units)		Conc	Q	MDL	Conc	Q	MDL
Hydrocarbons (Units)		*(mg/Kg)*			*(mg/Kg)*		
TPH-DRO		17700		158	10100		145

Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Renova Environmental Services
3417 Sunset Ave.
Ocean, NJ 07712

Project Name: **CAMP HERO BUNKER #113**
IAL Case Number: **E21-03337**

These data have been reviewed and accepted by:

Michael H. Lefkin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

273 Franklin Road
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Phone: 973 361 4252

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RESULTS SUMMARY REPORT

SUMMARY REPORT
Client: Renova Environmental Services
Project: CAMP HERO BUNKER #113
Lab Case No.: E21-03337

Lab ID:	03337-001			03337-002			03337-003			03337-004		
Client ID:	CH-FB-04			CH-WS-07			CH-WS-08			CH-CS-09		
Matrix:	Wipes			Wipes			Wipes			Solid		
Sampled Date	5/27/21			5/27/21			5/27/21			5/27/21		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(ug/100cm2)*			*(ug/100cm2)*			*(ug/100cm2)*			*(mg/Kg)*		
Aroclor-1016	ND		0.150	ND		0.150	ND		0.750	ND		0.00572
Aroclor-1221	ND		0.150	ND		0.150	ND		0.750	ND		0.00572
Aroclor-1232	ND		0.150	ND		0.150	ND		0.750	ND		0.00572
Aroclor-1242	ND		0.150	ND		0.150	ND		0.750	ND		0.00572
Aroclor-1248	ND		0.150	ND		0.150	ND		0.750	ND		0.00572
Aroclor-1254	ND		0.150	ND		0.150	335	D	0.750	77.1	D	0.571
Aroclor-1260	ND		0.150	ND		0.150	ND		0.750	ND		0.00572
Aroclor-1262	ND		0.150	0.445	DJ	0.150	ND		0.750	ND		0.00572
Aroclor-1268	ND		0.150	ND		0.150	ND		0.750	ND		0.00572
PCBs	ND		0.150	0.445	DJ	0.150	335	D	0.750	77.1	D	0.571

Lab ID:	03337-005			03337-006		
Client ID:	CH-CS-10			CH-CS-11		
Matrix:	Solid			Solid		
Sampled Date	5/27/21			5/27/21		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg)*			*(mg/Kg)*		
Aroclor-1016	ND		0.00559	ND		0.00569
Aroclor-1221	ND		0.00559	ND		0.00569
Aroclor-1232	ND		0.00559	ND		0.00569
Aroclor-1242	ND		0.00559	ND		0.00569
Aroclor-1248	ND		0.00559	ND		0.00569
Aroclor-1254	64.5	D	0.559	70.9	D	0.569
Aroclor-1260	ND		0.00559	ND		0.00569
Aroclor-1262	ND		0.00559	ND		0.00569
Aroclor-1268	ND		0.00559	ND		0.00569
PCBs	64.5	D	0.559	70.9	D	0.569

ND = Analyzed for but Not Detected at the MDL
J = Concentration detected at a value below the RL and above the MDL for target compounds.
For non-target compounds (i.e. TICs), qualifier indicates estimated concentrations.
D = The compound was reported from the Diluted analysis

APPENDIX K

Battery 113 Removal Recommendation Memo

RENOVA
environmental company

Date: September 2, 2021

To: Julie Rupp
US Army Corps of Engineers
New England District

From: Tom Bykow
Renova Environmental Company

Re: Bunker 113 Removal Recommendation
Camp Hero, Montauk, New York
FUDS Project Number: C02NY002403
NAE Project Number: 452115

Renova Environmental Services, LLC (Renova) prepared this memorandum to summarize the results of the sampling performed at Bunker 113 located at the Camp Hero Site, in Montauk, New York. The following provides an overview of the sampling scope of work, summary of results, and removal recommendations.

1.0 SCOPE OF WORK

On August 10, 2021, Renova mobilized to the Camp Hero Site and collected samples from the concrete floor in Bunker 113 to characterize the media for recommended extents of removal in support of this removal action. Table 1 below provides a summary, by area, of the actual media that was sampled, the sample type, and the laboratory analysis performed on that sample type. **Attachment 1** is a drawing indicating the sample locations within the Bunker.

The concrete core samples were retrieved using a core drill with a 4-inch hollow bit. The extent of core that could be extracted was approximately 12-inches. For cores AST-01, AST-02, AST 03 and TR-04 the core did not extend past the concrete to the subgrade soil below. The samples were returned to our office and prepared for the lab analysis. The cores were cut into 2-inch slugs and labeled as 0-2, 2-4 and 4-6. Renova analyzed the 0-2 and the 2-4 samples but held the 4-6 as a precaution if the analysis on the 2-4 samples failed. The balance of the core sample was retained at Renova's office. Soil samples were collected from cores TR-01, TR-02, TR-03 and TR-05 as

the core penetrated into the existing subgrade. These soil samples were placed in 8-ounce lab jars to be sampled as requested by the USACE.

The collected samples were shipped to Eurofins/Test America, located in Edison, New Jersey on August 19, 2021. Renova received the laboratory results on August 24, 2021.

Table 1
Summary of Waste Characterization Sampling

Structure	Media	Sample Type	Analyses
Bunker 113	Concrete Core Samples AST-01, AST-02 and AST-03	Concrete	VOC (8260D) and SVOC (8270E)
	Concrete Core Samples TR-01, TR-02, TR-03, TR-04 and TR-05	Concrete	PCB (8082A)
	Soil Samples TR-01, TR-02, TR-03 and TR-05	Soil	PCB (8082A)

2.0 WASTE CHARACTERIZATION RESULTS

The following provides a summary of the laboratory detections along with the associated regulatory criteria see **Attachment 2** for the complete analysis.

2.1 *Bunker 113 – AST Area Concrete Samples*

Table 2 provides a summary of the laboratory detections for the concrete samples which were collected in proximity of the ASTs located in Bunker 113.

Table 2
Bunker 113 – Laboratory Detections in AST Area Concrete Core Sample

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
AST-01-0-2	VOCs 8260D (ug/kg)	Acetone	62	NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
AST-01-2-4	VOCs 8260D (ug/kg)	No Exceedances Above Regulatory Criteria		NYDEC 375-6

	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
AST-02-0-2	VOCs 8260D (ug/kg)	Acetone	91	NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
AST-02-2-4	VOCs 8260D (ug/kg)	No Exceedances Above Regulatory Criteria		NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
AST-03-0-2	VOCs 8260D (ug/kg)	No Exceedances Above Regulatory Criteria		NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		
AST-03-2-4	VOCs 8260D (ug/kg)	No Exceedances Above Regulatory Criteria		NYDEC 375-6
	SVOC 8270E (ug/kg)	No Exceedances Above Regulatory Criteria		

2.2 Bunker 113 – Transformer Room

Table 3 provides a summary of the laboratory detections for concrete core samples TR-01 through TR-05, collected from the concrete floor in proximity of the electrical components.

Table 3
Bunker 113 – Laboratory Detections in the Transformer Room Concrete Core Samples

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
TR-01-0-2	PCBs (mg/kg)	Aroclor 1254	**55**	> 50 (TSCA PCB Waste)
TR-01-2-4	PCBs (mg/kg)	Aroclor 1254	**1**	> 50 (TSCA PCB Waste)
TR-02-0-2	PCBs (mg/kg)	Aroclor 1254	**1.4**	> 50 (TSCA PCB Waste)
TR-02-2-4	PCBs (mg/kg)	Aroclor 1254	**0.39**	> 50 (TSCA PCB Waste)
TR-03-0-2	PCBs (mg/kg)	Aroclor 1254	**26**	> 50 (TSCA PCB Waste)
TR-03-2-4	PCBs (mg/kg)	Aroclor 1254	**0.043**	> 50 (TSCA PCB Waste)
TR-04-0-2	PCBs (mg/kg)	Aroclor 1254	**0.17**	> 50 (TSCA PCB Waste)
TR-04-2-4	PCBs (mg/kg)	Aroclor 1254	**0.11**	> 50 (TSCA PCB Waste)
TR-05-0-2	PCBs (mg/kg)	Aroclor 1254	**2.8**	> 50 (TSCA PCB Waste)

TR-05-2-4	PCBs (mg/kg)	Aroclor 1254	**ND**	> 50 (TSCA PCB Waste)

Table 4 provides a summary of the laboratory detections for the soil under the core samples, TR-01 through TR-03 and TR-05, collected from below the concrete floor in proximity of the electrical components.

Table 4
Bunker 113 – Laboratory Detections in the Transformer Room Soil Sample

Sample ID	Analytical Parameter	Constituent	Analytical Results	Regulatory Criteria
TR-01-SS	PCBs (mg/kg)	Aroclor 1254	0.01	> 50 (TSCA PCB Waste)
TR-02-SS	PCBs (mg/kg)	Aroclor 1254	ND	> 50 (TSCA PCB Waste)
TR-03-SS	PCBs (mg/kg)	Aroclor 1254	0.065	> 50 (TSCA PCB Waste)
TR-05-SS	PCBs (mg/kg)	Aroclor 1254	.21	> 50 (TSCA PCB Waste)

3.0 REMOVAL RECOMMENDATIONS

3.1 *AST Area*

In the AST area Renova recommends no further action. The level of remaining constituents based on the use of the area do not pose a health threat.

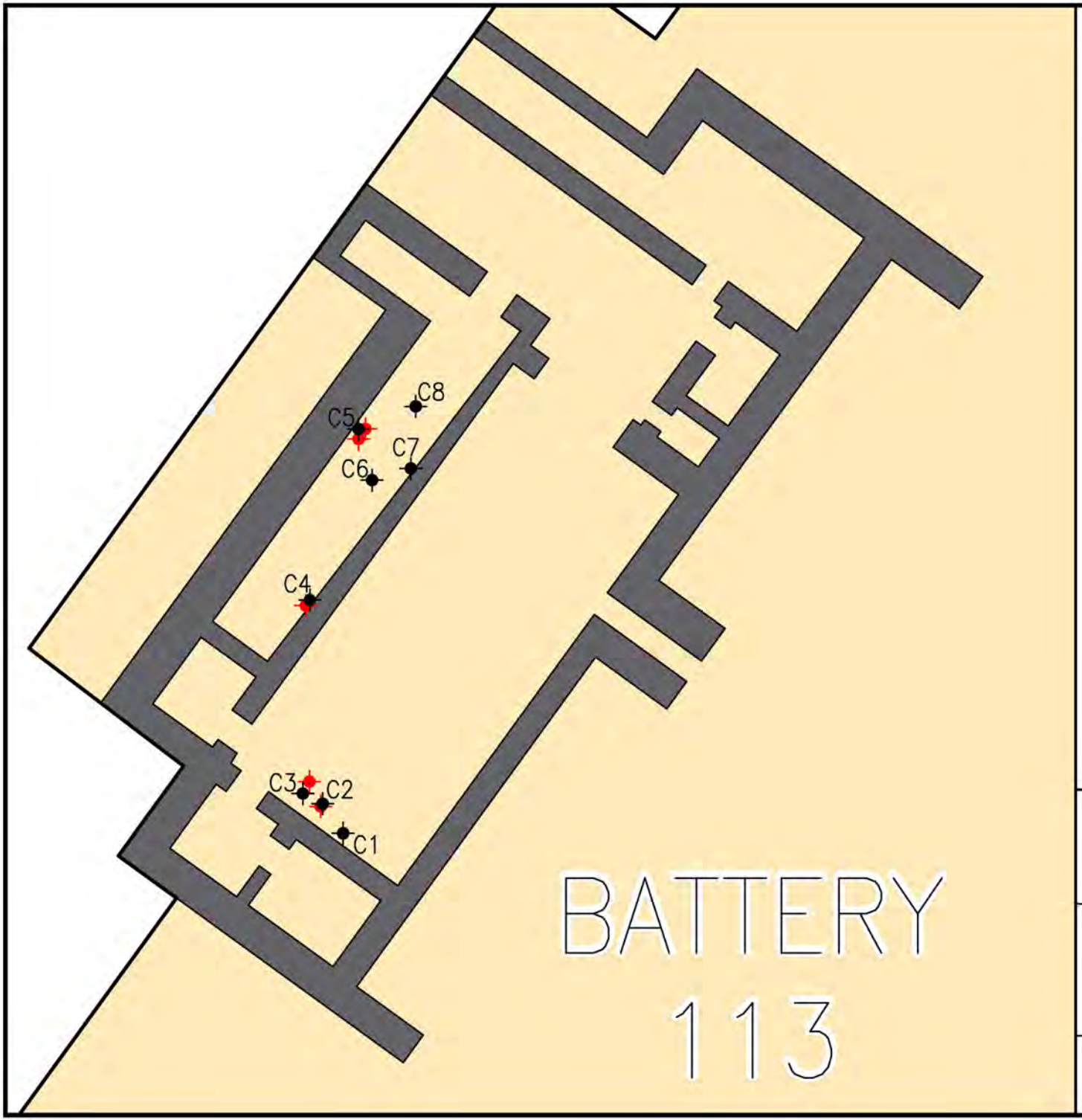
3.2 *Transformer Room Area*

In the transformer room area Renova recommends removal of the top 2" of concrete. Sample TR-01 indicated that the PCB contamination is above the TSCA level of 50 PPM. **Attachment 3** shows the sample results by location. **Attachment 4** shows the recommended disposal breakdown for TSCA and Non TSCA material. Renova assumes that the volume of TSCA disposal will be one (1) 55-gallon drum and the volume of Non-TSCA concrete disposal will be three (3) 55-gallon drums. Renova will use pneumatic chipping guns affixed with steel bits and chip off the top 2-inches of concrete and load the spoils into the drums. The area will then be vacuumed, and the collected debris will be placed in the drums. Renova will hand mix bagged concrete and place it in the chipped area to replace the removed material in kind.

Attachment 1

Bunker 113 – Core Sample Locations

Core Identification	Core Location	Sample Identification
C1	AST Aera	AST-01
C2	AST Aera	AST-02
C3	AST Aera	AST-03
C4	Transformer Room	TR-01
C5	Transformer Room	TR-02
C6	Transformer Room	TR-03
C7	Transformer Room	TR-04
C8	Transformer Room	TR-05



north

LEGEND:

- CHIP SAMPLE (APPROXIMATE LOCATION)
- CONCRETE CORE SAMPLE (APPROXIMATE LOCATION)

RENOVA
environmental company
3417 SUNSET AVENUE, OCEAN, NJ 07712
PHONE: (732)659-1000 www.renovaenviro.com

BATTERY 113

CAMP HERO
MONTAUK, NEW YORK
CONTRACT# W912WJ20C0008

NOT TO SCALE	DATE: 08/30/21	FIGURE 1
	DRAWN BY: RB	

Attachment 2

Bunker 113 – Laboratory Results

TestAmerica Laboratories, Inc.
Eurofins TestAmerica, Edison

Lab Job ID: 460-241195-1
Job Description: Camp Hero
For:
Renova Environmental Services
3417 Sunset Ave
Ocean, New Jersey 07712

Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NY CP51	NY CP-51	AST-01-0-2			AST-01-2-4			AST-02-0-2			AST-02-2-4			AST-03-0-2			AST-03-2-4		
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Table 2	Table 3	460-241195-1			460-241195-2			460-241195-4			460-241195-5			460-241195-7			460-241195-8		
Sampling Date	UnRestricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Soil Gas	Soil Fuel Oil	08/10/2021 09:00:00			08/10/2021 09:00:00			08/10/2021 11:00:00			08/10/2021 11:00:00			08/10/2021 13:00:00			08/10/2021 13:00:00		
Matrix		Residential	Restricted Resid	Commercial	Industrial	Protection of EC	Protection of GW	Contaminate	Contaminat	Soil			Soil			Soil			Soil			Soil			Soil		
Dilution Factor										1			1			1			1			1			1		
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260D																											
1,1,1-Trichloroethane	680	100000	100000	500000	1000000	See Reg	680	NA	NA	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.21	U	0.21	0.22	U	0.22	0.22	U	0.22
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.19	U	0.19	0.21	U	0.21	0.20	U	0.20
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33	U	0.33	0.32	U	0.32	0.32	U	0.32	0.27	U	0.27	0.29	U	0.29	0.28	U	0.28
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.16	U	0.16	0.17	U	0.17	0.17	U	0.17
1,1-Dichloroethane	270	19000	26000	240000	480000	See Reg	270	NA	NA	0.23	U	0.23	0.22	U	0.22	0.22	U	0.22	0.18	U	0.18	0.20	U	0.20	0.19	U	0.19
1,1-Dichloroethene	330	100000	100000	500000	1000000	See Reg	330	NA	NA	0.25	U	0.25	0.24	U	0.24	0.24	U	0.24	0.20	U	0.20	0.22	U	0.22	0.21	U	0.21
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20	U	0.20	0.19	U	0.19	0.19	U	0.19	0.16	U	0.16	0.17	U	0.17	0.17	U	0.17
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.39	U	0.39	0.38	U	0.38	0.38	U	0.38	0.32	U	0.32	0.34	U	0.34	0.34	U	0.34
1,2-Dibromo-3-Chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.50	U	0.50	0.49	U	0.49	0.49	U	0.49	0.41	U	0.41	0.44	U	0.44	0.43	U	0.43
1,2-Dichlorobenzene	1100	100000	100000	500000	1000000	See Reg	1100	NA	NA	0.39	U	0.39	0.38	U	0.38	0.39	U	0.39	0.32	U	0.32	0.35	U	0.35	0.34	U	0.34
1,2-Dichloroethane	20	2300	3100	30000	60000	See Reg	20	NA	NA	0.32	U	0.32	0.31	U	0.31	0.32	U	0.32	0.26	U	0.26	0.28	U	0.28	0.28	U	0.28
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.46	U	0.46	0.45	U	0.45	0.45	U	0.45	0.38	U	0.38	0.41	U	0.41	0.40	U	0.40
1,3-Dichlorobenzene	2400	17000	49000	280000	560000	See Reg	2400	NA	NA	0.40	U	0.40	0.39	U	0.39	0.39	U	0.39	0.33	U	0.33	0.35	U	0.35	0.34	U	0.34
1,4-Dichlorobenzene	1800	9800	13000	130000	250000	20000	1800	NA	NA	0.29	J	0.25	0.24	U	0.24	0.24	U	0.24	0.20	U	0.20	0.22	U	0.22	0.21	U	0.21
1,4-Dioxane	100	9800	13000	130000	250000	100	100	NA	NA	10	U	10	9.8	U	9.8	9.9	U	9.9	8.2	U	8.2	8.8	U	8.8	8.6	U	8.6
2-Butanone (MEK)	120	100000	100000	500000	1000000	100000	120	NA	NA	21		0.40	5.7		0.39	38		0.39	0.33	U	0.33	3.7	J	0.35	0.35	U	0.35
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.6		1.9	2.5	J	1.8	12		1.8	1.8	J	1.5	2.3	J	1.6	1.6	U	1.6
4-Methyl-2-pentanone (MIBK)	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7	U	1.7	1.7	U	1.7	1.8	J	1.7	1.4	U	1.4	1.5	U	1.5	1.5	U	1.5
Acetone	50	100000	100000	500000	1000000	2200	50	NA	NA	62		6.3	27		6.1	93		6.1	18		5.1	17		5.5	24		5.4
Benzene	60	2900	4800	44000	89000	70000	60	60	60	0.53	J	0.28	0.29	J	0.27	0.73	J	0.28	0.23	U	0.23	0.29	J	0.25	0.24	U	0.24
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.46	U	0.46	0.45	U	0.45	0.46	U	0.46	0.38	U	0.38	0.41	U	0.41	0.40	U	0.40
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	0.89	U	0.89	0.96	U	0.96	0.94	U	0.94
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.29	U	0.29	0.28	U	0.28	0.29	U	0.29	0.24	U	0.24	0.26	U	0.26	0.25	U	0.25
Carbon tetrachloride	760	1400	2400	22000	44000	See Reg	760	NA	NA	0.42	U	0.42	0.41	U	0.41	0.42	U	0.42	0.35	U	0.35	0.37	U	0.37	0.36	U	0.36
Chlorobenzene	1100	100000	100000	500000	1000000	40000	1100	NA	NA	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.16	U	0.16	0.17	U	0.17	0.17	U	0.17
Chlorobromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.31	U	0.31	0.30	U	0.30	0.30	U	0.30	0.25	U	0.25	0.27	U	0.27	0.26	U	0.26
Chlorodibromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.17	U	0.17	0.19	U	0.19	0.18	U	0.18
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.57	U	0.57	0.56	U	0.56	0.56	U	0.56	0.47	U	0.47	0.50	U	0.50	0.49	U	0.49
Chloroform	370	10000	49000	350000	700000	12000	370	NA	NA	1.1	U	1.1	1.0	U	1.0	1.0	U	1.0	0.87	U	0.87	0.93	U	0.93	0.91	U	0.91
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.48	U	0.48	0.46	U	0.46	1.7		0.47	0.39	U	0.39	0.42	U	0.42	0.41	U	0.41
cis-1,2-Dichloroethene	250	59000	100000	500000	1000000	See Reg	250	NA	NA	0.39	U	0.39	0.38	U	0.38	0.38	U	0.38	0.32	U	0.32	0.34	U	0.34	0.34	U	0.34
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30	U	0.30	0.29	U	0.29	0.29	U	0.29	0.24	U	0.24	0.26	U	0.26	0.26	U	0.26
Cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.20	U	0.20	0.21	U	0.21	0.21	U	0.21
Dichlorobromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.28	U	0.28	0.27	U	0.27	0.28	U	0.28	0.23	U	0.23	0.25	U	0.25	0.24	U	0.24
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37	U	0.37	0.36	U	0.36	0.36	U	0.36	0.30	U	0.30	0.32	U	0.32	0.32	U	0.32
Ethylbenzene	1000	30000	41000	390000	780000	See Reg	1000	1000	1000	0.41	J	0.22	0.21	U	0.21	0.67	J	0.21	0.29	J	0.18	0.93	J	0.19	0.22	J	0.19
Ethylene Dibromide	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20	U	0.20	0.19	U	0.19	0.19	U	0.19	0.16	U	0.16	0.17	U	0.17	0.17	U	0.17
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	2300	2300	0.31	U	0.31	0.30	U	0.30	0.59	J	0.31	0.39	J	0.25	1.6		0.27	0.27	J	0.27
Methyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.7	U	4.7	4.6	U	4.6	4.6	U	4.6	3.8	U	3.8	4.1	U	4.1	4.0	U	4.0
Methyl tert-butyl ether	930	62000	100000	500000	1000000	See Reg	930	930	NA	0.56	U	0.56	0.54	U	0.54	0.55	U	0.55	0.46	U	0.46	0.49	U	0.49	0.48	U	0.48
Methylcyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55	U	0.55	0.53	U	0.53	0.54	U	0.54	0.45	U	0.45	0.48	U	0.48	0.47	U	0.47
Methylene Chloride	50	51000	100000	500000	1000000	12000	50	NA	NA	1.3	U	1.3	1.2	U	1.2	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1
m-Xylene & p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1		0.19	0.38	J	0.19	2.2		0.19	1.2		0.16	4.2		0.17	0.82	J	0.16
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.76	J	0.21	0.21	U	0.21	1.6		0.21	0.72	J	0.17	3.8		0.19	0.48	J	0.18
Styrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.78	J	0.30	0.30	U	0.30	2.1		0.30	0.25	U	0.25	0.27	U	0.27	0.26	U	0.26
Tetrachloroethene	1300	5500	19000	150000	300000	2000	1300	NA	NA	0.33	U	0.33	0.32	U	0.32	0.33	U	0.33	0.27	U	0.27	0.29	U	0.29	0.29	U	0.29
Toluene	700	100000	100000	500000	1000000	36000	700	700	700	0.95	J	0.26	0.38	J	0.25	0.67	J	0.25	0.30	J	0.21	0.46	J	0.22	0.22	U	0.22
trans-1,2-Dichloroethene	190	100000	100000	500000	1000000	See Reg	190	NA	NA	0.27	U	0.27	0.26	U	0.26	0.26	U	0.26	0.22	U	0.22	0.24	U	0.24	0.23	U	0.23
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.29	U	0.29	0.28	U	0.28	0.29	U	0.29	0.24	U	0.24	0.26	U	0.26	0.25	U	0.25
Trichloroethene	470	10000	21000	200000	400000	2000	470	NA	NA	0.35	U	0.35	0.34	U	0.34	0.34	U	0.34	0.29	U	0.29	0.31	U	0.31	0.30	U	0.30
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44	U	0.44	0.43	U	0.43	0.44	U	0.44	0.36	U	0.36	0.39	U	0.39	0.38	U	0.38
Vinyl chloride	20	210	900	13000	27000	See Reg	20	NA	NA	0.60	U	0.60	0.58	U	0.58	0.59	U	0.59	0.49	U	0.49	0.52	U	0.52	0.51	U	0.51
Total Conc	NA	NA	NA	NA	NA	NA	NA	NA	NA	94.42			36.25			153.06			22.7			34.28			25.79		

Highlighted Concentrations shown in bold type face exceed limits
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Jill Miller
Senior Project Manager
(484)685-0871

TestAmerica Laboratories, Inc.
Eurofins TestAmerica, Edison
Lab Job ID: 460-241195-1
Job Description: Camp Hero
For:
Renova Environmental Services
3417 Sunset Ave
Ocean, New Jersey 07712

Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NY CP51	NY CP-51	AST-01-0-2			AST-01-2-4			AST-02-0-2			AST-02-2-4			AST-03-0-2			AST-03-2-4		
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Table 2	Table 3	460-241195-1			460-241195-2			460-241195-4			460-241195-5			460-241195-7			460-241195-8		
Sampling Date	UnRestricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Soil Gas	Soil Fuel Oil	08/10/2021 09:00:00			08/10/2021 09:00:00			08/10/2021 11:00:00			08/10/2021 11:00:00			08/10/2021 13:00:00			08/10/2021 13:00:00		
Matrix		Residential	Restricted Resid	Commercial	Industrial	Protection of EC	Protection of GW	Contaminate	Contaminat	Soil			Soil			Soil			Soil			Soil			Soil		
Dilution Factor										1			1			1			1			1			1		
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Result	Q	ug/kg MDL	Result	Q	ug/kg MDL	Result	Q	ug/kg MDL	Result	Q	ug/kg MDL	Result	Q	ug/kg MDL	Result	Q	ug/kg MDL
SOIL BY 8270E																											
1,1'-Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5	U	4.5	35	J	4.5	150	J	4.5	4.5	U	4.5	4.5	U	4.5	4.5	U	4.5
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	11	U	11	10	U	10	10	U	10	10	U	10	11	U	11	11	U	11
2,2'-oxybis[1-chloropropane]	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	23	U	23	23	U	23	23	U	23	23	U	23	23	U	23	23	U	23
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	35	U	35	34	U	34	34	U	34	34	U	34	34	U	34	34	U	34
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	44	U	44	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	U	22	22	U	22	22	U	22	22	U	22	22	U	22	22	U	22
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	U	15	15	U	15	15	U	15	15	U	15	15	U	15	15	U	15
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	U	170	160	U	160	170	U	170	170	U	170	170	U	170	170	U	170
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	37	U	37	36	U	36	36	U	36	36	U	36	36	U	36	36	U	36
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	U	25	24	U	24	24	U	24	24	U	24	24	U	24	24	U	24
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	U	16	16	U	16	16	U	16	16	U	16	16	U	16	16	U	16
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	770		9.5	250	J	9.4	1200		9.4	2200		9.4	4200		9.5	880		9.5
2-Methylphenol	330	100000	100000	500000	1000000	See Reg	330	NA	NA	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	34	U	34	34	U	34	34	U	34	34	U	34	34	U	34	34	U	34
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	51	U	51	51	U	51	51	U	51	51	U	51	51	U	51	51	U	51
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	140	U	140	140	U	140	140	U	140	140	U	140	140	U	140	140	U	140
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	19	U	19	19	U	19	19	U	19	19	U	19	19	U	19	19	U	19
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	60	U	60	60	U	60	60	U	60	60	U	60	60	U	60	60	U	60
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12
4-Methylphenol	330	34000	100000	500000	1000000	See Reg	330	NA	NA	21	U	21	21	U	21	21	U	21	21	U	21	21	U	21	21	U	21
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	55	U	55	55	U	55	55	U	55	55	U	55	55	U	55	55	U	55
Acenaphthene	20000	100000	100000	500000	1000000	20000	98000	NA	20000	84		9.7	9.6	U	9.6	350		9.6	260	J	9.6	220	J	9.6	9.6	U	9.6
Acenaphthylene	100000	100000	100000	500000	1000000	See Reg	107000	NA	100000	76	J	3.4	17	J	3.4	99	J	3.4	3.4	U	3.4	270	J	3.4	3.4	U	3.4
Acetophenone	NA	NA	NA	NA	NA	NA	NA	NA	NA	17	U	17	16	U	16	17	U	17	17	U	17	17	U	17	17	U	17
Anthracene	100000	100000	100000	500000	1000000	See Reg	1000000	NA	100000	10	U	10	23	J	10	280	J	10	300	J	10	10	U	10	18	J	10
Atrazine	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	U	20	20	U	20	20	U	20	20	U	20	20	U	20	20	U	20
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA	NA	NA	56	U	56	56	U	56	56	U	56	56	U	56	56	U	56	56	U	56
Benzo[a]anthracene	1000	1000	1000	5600	11000	See Reg	1000	NA	1000	67		12	50		12	42		12	18	J	12	34		12	18	J	12
Benzo[a]pyrene	1000	1000	1000	1000	1100	2600	22000	NA	1000	49		9.0	40		8.9	18	J	9.0	9.0	U	9.0	19	J	9.0	9.6	J	9.0
Benzo[b]fluoranthene	1000	1000	1000	5600	11000	See Reg	1700	NA	1000	72		8.8	60		8.7	34	J	8.7	13	J	8.7	44		8.7	16	J	8.8
Benzo[g,h,i]perylene	100000	100000	100000	500000	1000000	See Reg	1000000	NA	100000	40	J	10	22	J	9.9	13	J	9.9	9.9	U	9.9	21	J	10	10	U	10
Benzo[k]fluoranthene	800	1000	3900	56000	110000	See Reg	1700	NA	800	27	J	6.7	21	J	6.6	17	J	6.6	6.6	U	6.6	19	J	6.6	6.6	U	6.6
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	26	U	26	26	U	26	26	U	26	26	U	26	26	U	26	26	U	26
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	U	18	18	U	18	18	U	18	18	U	18	28	J	18	18	U	18
Butyl benzyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	U	16	16	U	16	16	U	16	16	U	16	16	U	16	16	U	16
Caprolactam	NA	NA	NA	NA	NA	NA	NA	NA	NA	53	U	53	52	U	52	52	U	52	52	U	52	53	U	53	53	U	53
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	340		13	13	U	13	13	U	13	92	J	13	13	U	13	13	U	13
Chrysene	1000	1000	3900	56000	110000	See Reg	1000	NA	1000	84	J	5.7	40	J	5.7	53	J	5.7	31	J	5.7	68	J	5.7	15	J	5.7
Dibenz[a,h]anthracene	330	330	330	560	1100	See Reg	1000000	NA	330	15	U	15	15	U	15	15	U	15	15	U	15	15	U	15	15	U	15
Dibenzofuran	7000	14000	59000	350000	1000000	See Reg	210000	NA	NA	160	J	4.8	46	J	4.7	260	J	4.7	410		4.7	560		4.7	74	J	4.8
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.9	U	4.9	4.9	U	4.9	4.9	U	4.9	4.9	U	4.9	4.9	U	4.9	4.9	U	4.9
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	77	U	77	76	U	76	76	U	76	76	U	76	77	U	77	77	U	77
Di-n-butyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13	13	U	13
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	U	18	18	U	18	18	U	18	18	U	18	18	U	18	18	U	18
Fluoranthene	100000	100000	100000	500000	1000000	See Reg	1000000	NA	100000	560		12	110	J	12	240	J	12	200	J	12	290	J	12	45	J	12
Fluorene	30000	100000	100000	500000	1000000	30000	386000	NA	30000	220	J	4.6	41	J	4.6	480		4.6	570		4.6	330	J	4.6	33	J	4.6
Hexachlorobenzene	330	330	1200	6000	12000	See Reg	3200	NA	NA	16	U	16	16	U	16	16	U	16	16	U	16	16	U	16	16	U	16
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.2	U	7.2	7.1	U	7.1	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	30	U	30	29	U	29	30	U	30	30	U	30	30	U	30	30	U	30
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12
Indeno[1,2,3-cd]pyrene	500	500	500	5600	11000	See Reg	8200	NA	500	39		13	25	J	13	17	J	13	13	U	13	21	J	13	13	U	13
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	98	U	98	97	U	97	97	U	97	97	U	97	98	U	98	98	U	98
Naphthalene	12000	100000	100000	500000	1000000	See Reg	12000	12000	12000	87	J	5.9	25	J	5.8	140	J	5.8	310	J	5.8	640		5.8	130	J	5.8
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.2	U	8.2	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	U	25	24	U	24	24	U	24	24	U	24	25	U	25	25	U	25
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	28	U	28	28	U	28	28	U	28	28	U	28	28	U	28	28	U	28
Pentachlorophenol	800	2400	6700	6700	55000	800	800	NA	NA	70	U	70	69	U	69	69	U	69	69	U	69	69	U	69	69	U	69
Phenanthrene	100000	100000	100000	500000	1000000	See Reg	1000000	NA	100000	4000		6.0	550		5.9	4500		5.9	4300		5.9	2900		5.9	440		5.9
Phenol	330	100000	100000	500000	1000000	30000	330	NA	NA	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12	12	U	12
Pyrene	100000	100000	100000	500000	1000000	See Reg	1000000	NA	100000	660		8.4	87	J	8.4	780		8.4	320	J	8.4	340		8.4	55	J	8.4
Total Conc	NA	NA	NA	NA	NA	NA	NA	NA	NA	7335.0			1442.0			8673.0			9024.0			10004.0			1733.6		

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Jill Miller
Senior Project Manager
(484)685-0871

TestAmerica Laboratories, Inc.
Eurofins TestAmerica, Edison
Lab Job ID: 460-241195-1
Job Description: Camp Hero
For:
Renova Environmental Services
3417 Sunset Ave
Ocean, New Jersey 07712

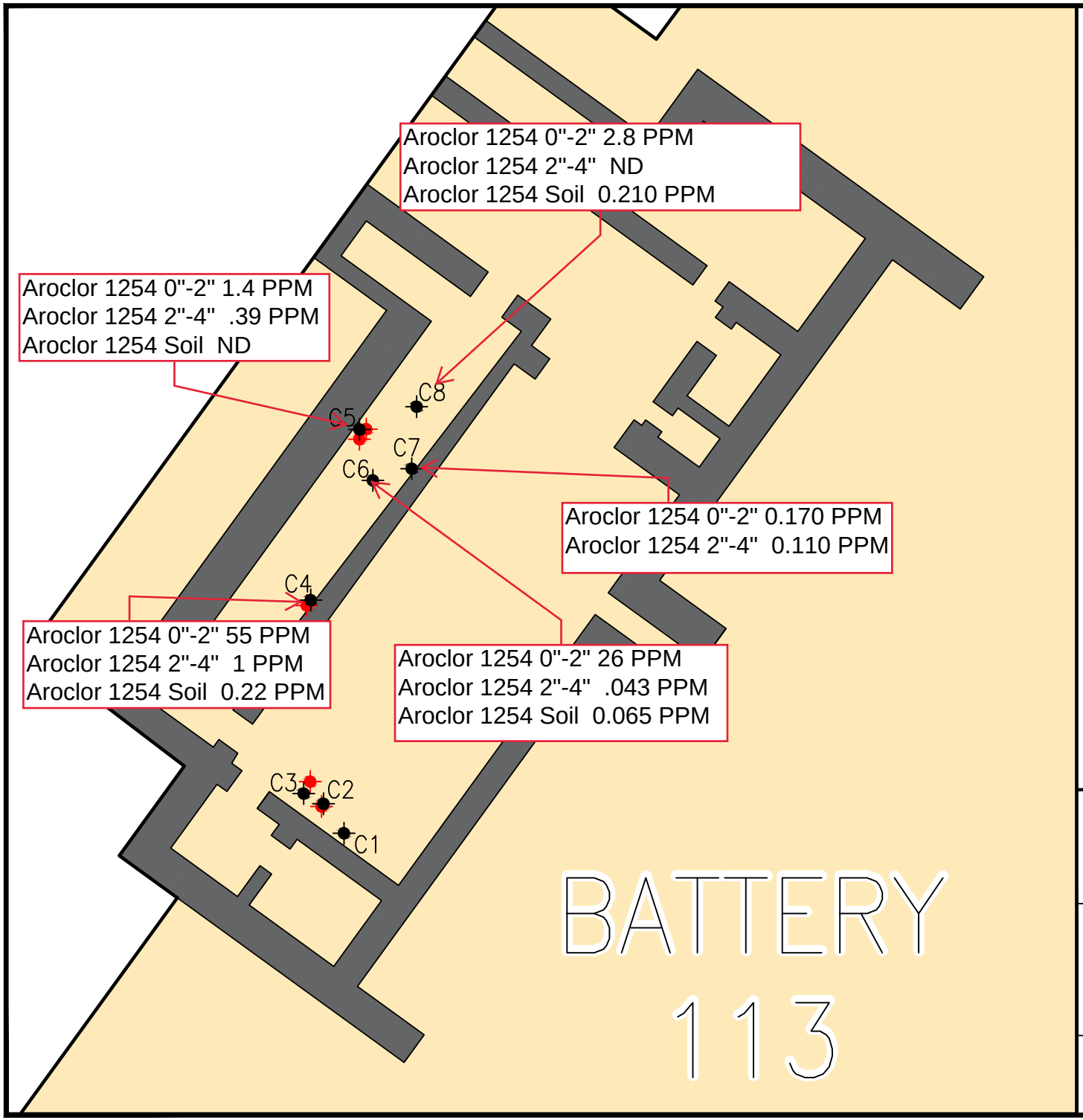
Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	NY CP51	NY CP-51	TR-01-0-2		TR-01-2-4		TR-01-55		TR-02-0-2		TR-02-2-4		TR-02-55		TR-03-0-2		TR-03-2-4		TR-03-55		TR-04-0-2		TR-04-2-4		TR-05-0-2		TR-05-2-4		TR-05-55	
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	Table 2	Table 3	460-241195-10		460-241195-11		460-241195-12		460-241195-13		460-241195-14		460-241195-15		460-241195-16		460-241195-17		460-241195-18		460-241195-19		460-241195-20		460-241195-21		460-241195-22		460-241195-23	
Sampling Date	Unrestricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Restricted Use	Soil Gas	Soil Fuel Oil	08/11/2021 08:00:00		08/11/2021 08:00:00		08/11/2021 08:00:00		08/11/2021 09:00:00		08/11/2021 09:00:00		08/11/2021 09:00:00		08/11/2021 10:00:00		08/11/2021 10:00:00		08/11/2021 10:00:00		08/11/2021 11:00:00		08/11/2021 11:00:00		08/11/2021 11:00:00		08/11/2021 11:00:00	
Matrix		Residential	Restricted Resid	Commercial	Industrial	Protection of EC	Protection of GW	Contaminate	Contaminat	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Dilution Factor										100		1		1		2		1		1		50		1		1		1		2		1		1	
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg		ug/kg	
										Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL	Result	Q MDL
VOA, BY 8082A																																					
Aroclor 1016	NA	NA	NA	NA	NA	NA	NA	NA	NA	910	U 910	9.2	U 9.2	9.3	U 9.3	18	U 18	9.1	U 9.1	9.4	U 9.4	460	U 460	9.2	U 9.2	9.3	U 9.3	9.2	U 9.2	9.2	U 9.2	460	U 460	9.2	U 9.2	9.5	U 9.5
Aroclor 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	910	U 910	9.2	U 9.2	9.3	U 9.3	18	U 18	9.1	U 9.1	9.4	U 9.4	460	U 460	9.2	U 9.2	9.3	U 9.3	9.2	U 9.2	9.2	U 9.2	460	U 460	9.2	U 9.2	9.5	U 9.5
Aroclor 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	910	U 910	9.2	U 9.2	9.3	U 9.3	18	U 18	9.1	U 9.1	9.4	U 9.4	460	U 460	9.2	U 9.2	9.3	U 9.3	9.2	U 9.2	9.2	U 9.2	46	U 46	9.2	U 9.2	9.5	U 9.5
Aroclor 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	910	U 910	9.2	U 9.2	9.3	U 9.3	18	U 18	9.1	U 9.1	9.4	U 9.4	460	U 460	9.2	U 9.2	9.3	U 9.3	9.2	U 9.2	9.2	U 9.2	46	U 46	9.2	U 9.2	9.5	U 9.5
Aroclor 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	910	U 910	9.2	U 9.2	9.3	U 9.3	18	U 18	9.1	U 9.1	9.4	U 9.4	460	U 460	9.2	U 9.2	9.3	U 9.3	9.2	U 9.2	9.2	U 9.2	46	U 46	9.2	U 9.2	9.5	U 9.5
Aroclor 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	55000	940	1000	9.5	2.2	J 10	1400	19	190	9.4	9.7	U 9.7	26000	470	43	J 9.5	63	J 10	170	9.5	1.1	J 9.5	2800	47	67	9.5	U 9.5	210	9.8
Aroclor 1260	NA	NA	NA	NA	NA	NA	NA	NA	NA	940	U 940	9.5	U 9.5	10	U 10	19	U 19	9.4	U 9.4	9.7	U 9.7	470	U 470	9.5	U 9.5	10	U 10	9.5	U 9.5	9.5	U 9.5	47	U 47	9.5	U 9.5	9.8	U 9.8

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Jill Miller
Senior Project Manager
(484)685-0871

Attachment 3

Bunker 113 – PCB Analytical Results by Location



north

LEGEND:

- CHIP SAMPLE (APPROXIMATE LOCATION)
- CONCRETE CORE SAMPLE (APPROXIMATE LOCATION)

RENOVA
environmental company
3417 SUNSET AVENUE, OCEAN, NJ 07712
PHONE: (732)659-1000 www.renovaenviro.com

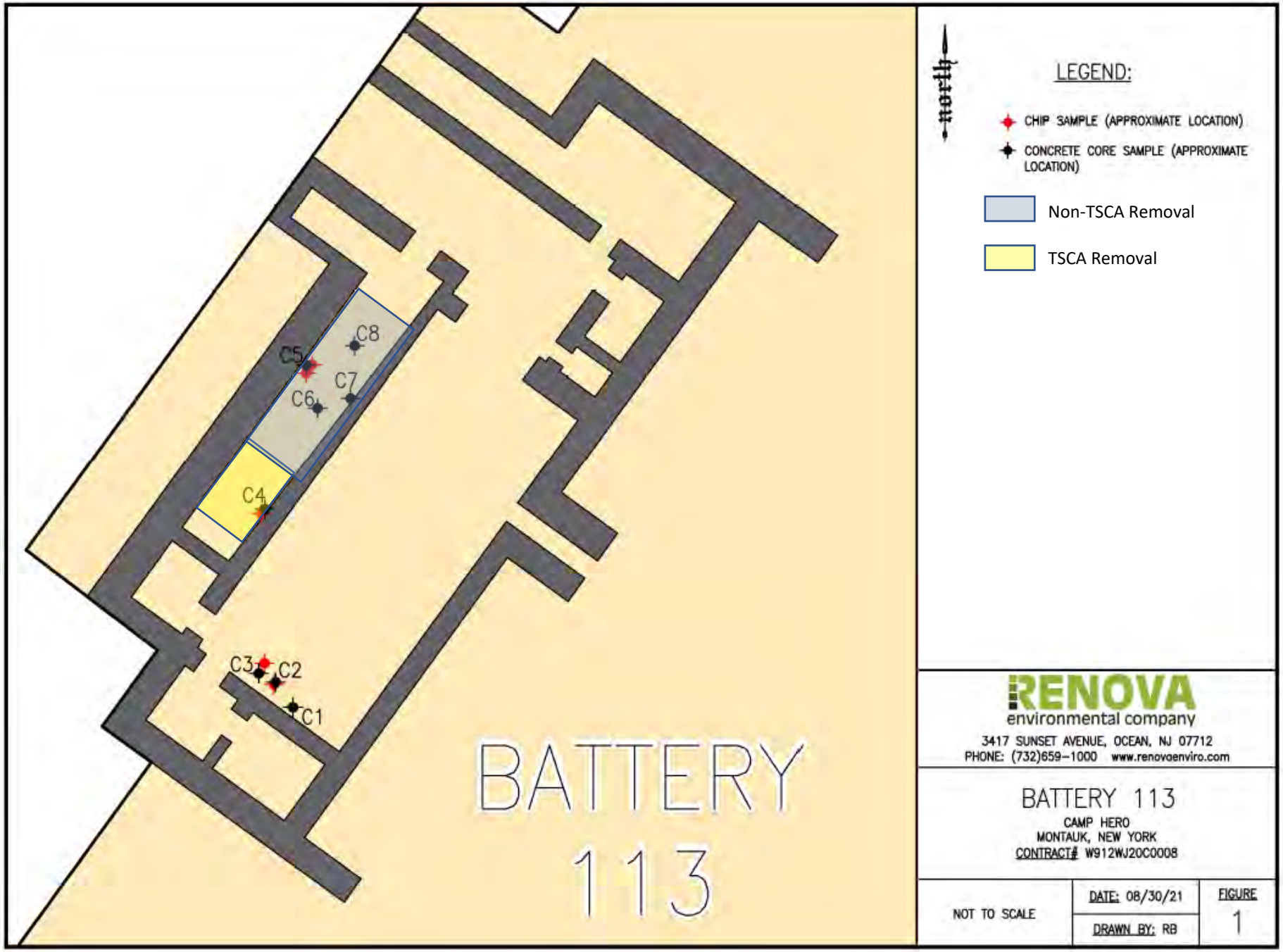
BATTERY 113

CAMP HERO
MONTAUK, NEW YORK
CONTRACT# W912WJ20C0008

NOT TO SCALE	DATE: 08/30/21	FIGURE 1
	DRAWN BY: RB	

Attachment 4

Bunker 113 – Recommended TSCA and Non-TSCA Removal Locations


north
LEGEND:
CHIP SAMPLE (APPROXIMATE LOCATION)
CONCRETE CORE SAMPLE (APPROXIMATE LOCATION)
Non-TSCA Removal
TSCA Removal
C1
C2
C3
C4
C5
C6
C7
C8
BATTERY
113
RENOVA
environmental company
3417 SUNSET AVENUE, OCEAN, NJ 07712
PHONE: (732)659-1000 www.renovaenviro.com
BATTERY 113
CAMP HERO
MONTAUK, NEW YORK
CONTRACT# W912WJ20C0008
NOT TO SCALE
DATE: 08/30/21
DRAWN BY: RB
FIGURE
1

APPENDIX L

Battery 113 Removal Recommendation Revision Memo

RENOVA
environmental company

Date: October 27, 2021

To: Julie Rupp
US Army Corps of Engineers
New England District

From: Tom Bykow
Renova Environmental Company

Re: Battery 113 Removal Recommendation Revision
Camp Hero, Montauk, New York
FUDS Project Number: C02NY002403
NAE Project Number: 452115

Renova Environmental Services, LLC (Renova) prepared this memorandum to summarize the revision of intended work scope at BatteryBattery113 located at the Camp Hero Site, in Montauk, New York. The following provides an overview of the revision to the removal recommendation.

On August 10, 2021, Renova mobilized to the Camp Hero Site and collected samples from the concrete floor in Battery 113 to characterize the media for recommended extents of removal in support of this disposal action. Based on the results of the sampling event Renova recommended removal of the top 2-inches of concrete in the areas of the questioned staining. Renova assumed that they would use chipping guns affixed with steel bits to chip out the top 2-inches of concrete and load the spoils into the drums for disposal. The area will then be vacuumed, and the collected debris will be placed in the drums.

Renova mobilized on October 18, 2021, to perform the intended removal. After getting set up to complete the task it was noted that the chipping had minimal effect on concrete removal. This method of removal is common and has successfully been performed by Renova in the past. Renova spoke both internally and with the USACE about the issues encountered with the removal. We assume that the floor was installed using a very high strength concrete which exceeds conventional concrete. It was suggested to predrill holes in the concrete approximately 3-inches apart (see picture below) and chip out between them.

Battery 113 Pre-Drilled Holes

This had little to no effect on the removal. Renova continued to chip the area and remove the visually stained concrete.

With the visual staining removed but less than the intended 2-inches in depth. In areas that were removed the depths varied from 1.5-inches to .75-inches. Renova proceed to take surface wipe samples within a 10cm x 10cm template. The wipe samples will be analyzed to EPA method 8082A- PCB in harmony with 40 CFR.761 and reported in µg per 100 cm2. The prior sampling event considered sampling at 2-inch intervals from the specimens removed. We anticipate that with the surface staining removed that the disposal action, though not to the anticipated depth, was effective in removing the PCB contamination to an acceptable level. Renova took a total of seven (7) samples and one (1) field blank. Five (5) of the seven samples were taken directly adjacent to the previous core samples. The two (2) additional samples were taken in the removal area about mid-distance from the five (5) original core samples.

Locations of the Wipe Samples

Based on the result of this sampling event Renova will review the results and provide further recommendations. Though other less intrusive concrete removal methods are being researched full depth removal may be required.

APPENDIX M

PCB Concrete Disposal Manifest

US7330

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD986943512
2. Page 1 of: 1
3. Emergency Response Phone: 908-307-2500
4. Manifest Tracking Number: 023528750 JJK

5. Generator's Name and Mailing Address:
NYS LI PK & REC
BOX 247 ~~MONTAUK, NY 11954~~ Babylon NY 11702

Generator's Site Address (if different than mailing address):
CAMP HERO STATE PARK
1898 MONTAUK HWY
MONTAUK NY 11954

Generator's Phone: (631) ... 2765

6. Transporter 1 Company Name: Howards Trucks, Inc — U.S. EPA ID Number: PAD146714878

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
EQ/WAYNE DISPOSAL INC. SITE #2 LAND
49350 N. I-94 SERVICE DRIVE BELLEVILLE MI 48111
Facility's Phone: (800)592-5489
U.S. EPA ID Number: MID048090633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, Polychlorinated Biphenyls solid, 9, PGIII	1	CM	EST 10,000	K	B007 PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. C22005ENDI WID: 63402 ERG #171 CONTAINER ID: 20136 OOS DATE: 5/16/22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Joshua Ramos — Signature: [signature] — Month 5 Day 16 Year 22

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Williams — Signature: [signature] — Month 5 Day 16 Year 22
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Claire McCleary — Signature: [signature] — Month 5 Day 17 Year 22

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. TRANSPORTER COPY

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

Wayne Disposal, Inc.
49350 N I-94 SERVICE DRIVE, BELLEVILLE , MI 48111 USA

Customer Account:
AMERICAN WASTE MGMT-05
ONE AMERICAN WAY
WARREN, OH 44484-5555, USA

Generator Site Address:
NYD986943512, NYS LI PK & REC
CAMP HERO STATE PARK
1898 MONTAUK HWY
MONTAUK. NY. 11702. USA

Receipt

Receipt ID: 1367468
Customer ID: 848
Manifest / BOL: 023528750JJK
Transporter: HORWITH TRUCKS, INC.
Transporter EPA ID: PAD146714878
Truck#: 457
Date: 05/17/2022
Time In: 12:33 PM
Time Out: 2:20 PM

Line	Description Generator		Qty. Unit
1 - 1	C228056WDI - PCB CONTAMINATED CONCRETE		5.200 TONS
	Hazardous Surcharge Ton		5.200 TONS
	NYD986943512 NYS LI PK & REC		
	Gross: 53,260 lbs. **Tare:** 42,860 lbs. **Net:** 10,400 lbs.		
2	e-Manifest Submission Fee		1.000 EACH
		Charge relates to:	
	NYD986943512 NYS LI PK & REC	023528750JJK	
	Gross: 53,260 lbs. **Tare:** 42,860 lbs. **Net:** 10,400 lbs.		
3	C228056WDI-TONS Additional charge due to load minimum		4.800 TONS
		Charge relates to:	
	NYD986943512 NYS LI PK & REC	023528750JJK - 1	
	Gross: 53,260 lbs. **Tare:** 42,860 lbs. **Net:** 10,400 lbs.		
4	Wayne Disposal Host Community Agreement Royalty Fee		5.200 TONS
		Charge relates to:	
	NYD986943512 NYS LI PK & REC	023528750JJK - 1	
	Gross: 53,260 lbs. **Tare:** 42,860 lbs. **Net:** 10,400 lbs.		

NO SALVAGING ON PREMISES

HORWITH TRUCKS, INC.

ROUTE 329 BOX 7, NORTHAMPTON, PA 18067

Container # 20136 Manifest # 023528750 JJK

Tractor # ~~436~~ 457 Trailer # 325

Driver ~~B. Williams~~ ~~95614~~ Tr 2 10652

1) Spot Container ______
Date Time WO#

Name ______

Address ______

Time In ______ Time Out ______ Total Time ______

Signature ______

loaded Box #

2) Pickup Container 5-16-22 13674608
Date Time WO#

10400
Spot
5.9.22

Name Camp Hero

Address Montauk NY

Time In ______ Time Out ______ Total Time ______

Signature ______

3) Deliver Container ~~5-16-22~~ 5-17-22 Del. ______
Date Time

Name ~~Horwith~~ Wayne Disposal

Address Belleville MI
~~Northampton PA~~

Time In ______ Time Out ______ Total Time ______

Signature ______

1964

HORWITH TRUCKS, INC.

ROUTE 329 BOX 7, NORTHAMPTON, PA 18067

Container # 20145 Manifest # _____

Tractor # 436 Trailer # 325

Driver B. Williams

1) Spot Container _____ (Date / Time / WO#)

Name _____

Address _____

_____

Time In _____ Time Out _____ Total Time _____

Signature _____

empty

2) Pickup Container 5-16-22 (Date) _____ (Time) _____ (WO#)

Spot 5-9-22

Name Camp Hero

Address Montauk NY

Time In _____ Time Out _____ Total Time _____

Signature _____

3) Deliver Container 5-16-22 (Date) _____ (Time) _____ Del. _____

Name Horwith

Address Northampton PA

Time In _____ Time Out _____ Total Time _____

Signature _____

HORWITH TRUCKS, INC.

ROUTE 329 BOX 7, NORTHAMPTON, PA 18067

Container # 20145 / 20136 Manifest # double Spot

Tractor # 436 Trailer # 325

Driver B. Williams 95614

1) Spot Container 5-9-22
Date Time WO#

Name Camp Hero State Park

Address Montauk NY

Time In _____ Time Out _____ Total Time _____

Signature _____

2) Pickup Container _____
Date Time WO#

Name _____

Address _____

Time In _____ Time Out _____ Total Time _____

Signature _____

3) Deliver Container _____ Del. _____
Date Time

Name _____

Address _____

Time In _____ Time Out _____ Total Time _____

Signature _____

APPENDIX N

Photo Log

Former Camp Hero

Photo Log – Site Closure Report Draft

Montauk, Suffolk County, New York;

FUDS Property #C02NY002403

USACE Contract # W912WJ-20-C-0008

Building #10

Building #10 Entrance

Hazardous Materials (HAZMAT) Stockpile located within Building #10

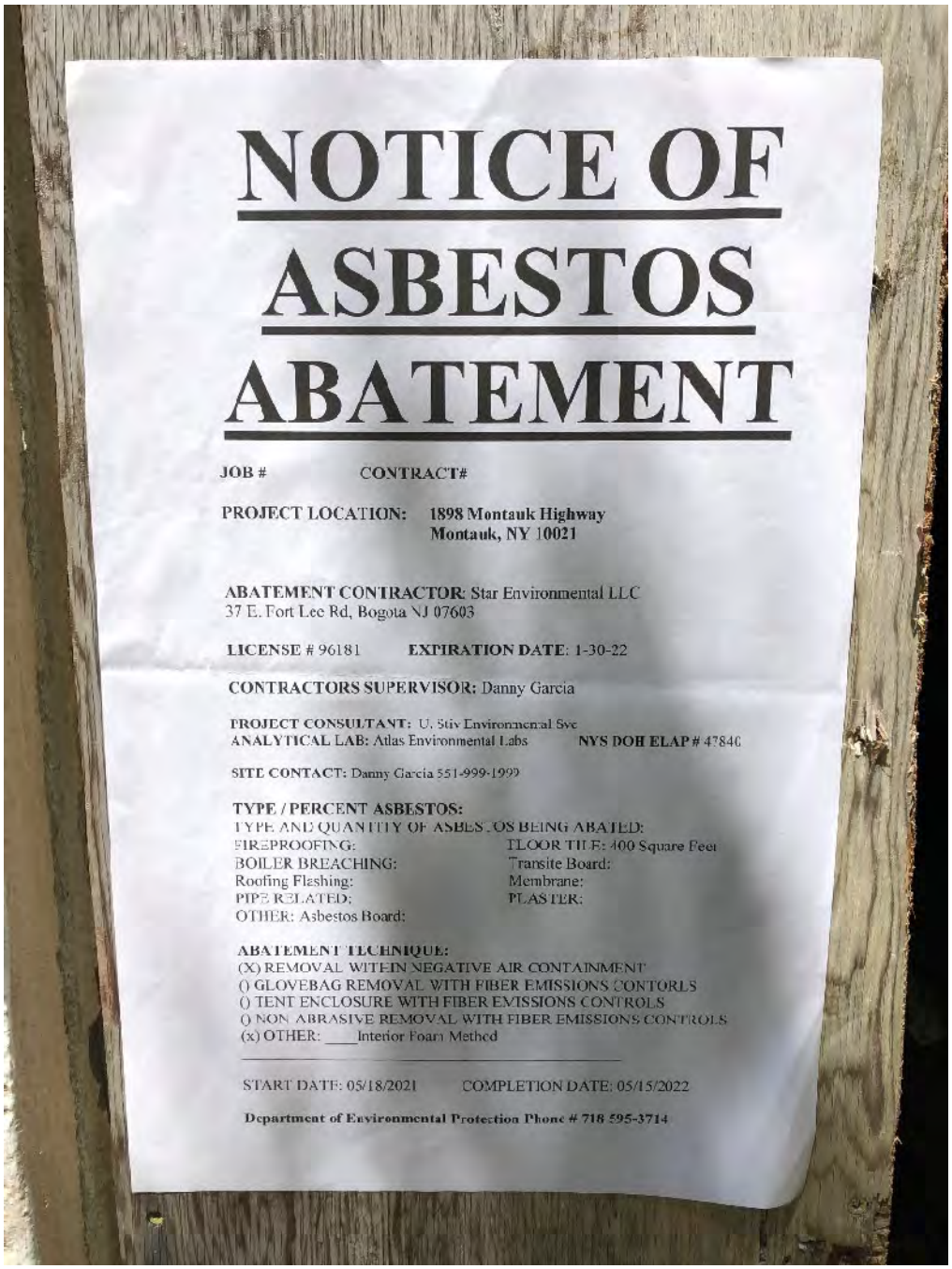
Chevron HyJet IV Can

Mobil Jet Oil Can

Rusted HAZMAT Can

Rusted and Leaking HAZMAT Can

Tile Staining below HAZMAT Stockpile



Notice of Asbestos Abatement posted outside Building #10

Negative Air Containment Asbestos Abatement

Negative Air Containment Asbestos Abatement

Stained Floor Abated of Asbestos-Containing-Material (ACM) Tiles

Stained Floor Abated of ACM Tiles

Pressure Washing Stained Concrete Floors

Wipe Sampling HAZMAT Removal Area

Concrete Chip and Wipe Sampling HAZMAT Removal Area

Building #107

Building #107 Exterior

Transformers and Electrical Components located within Building #107

Transformers and Electrical Components located within Building #107

Transformer and Electrical Components located within Building #107

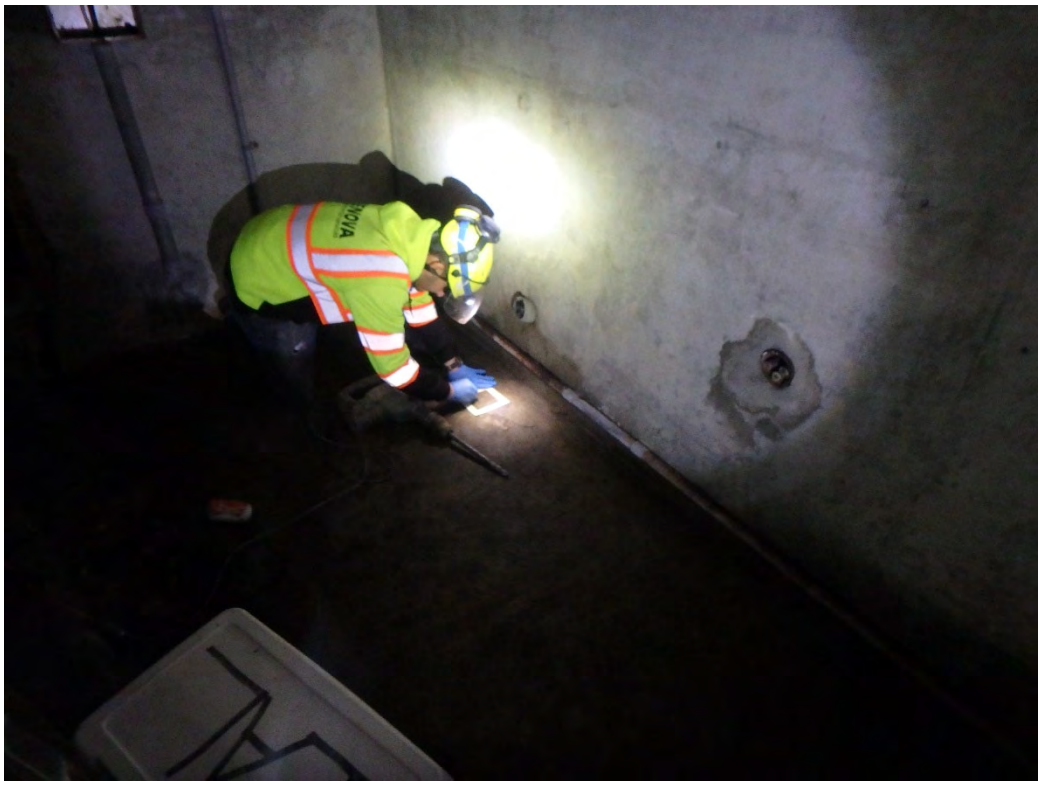
Polychlorinated Biphenyl (PCB) Fluid Dried on Exterior of Transformer

Transformers and Electrical Components Removed from Building #107

Transformers and Electrical Components Removed from Building #107

Cleaning and Pressure Washing Transformer Removal Area

Transformer Removal Area Cleaned and Pressure Washed



Concrete Chip and Wipe Sampling Transformer Removal Area

Concrete Chip Sample Collected Below Former Transformer Location

Battery #113

Battery #113 Entrance

Battery #113 Entrance

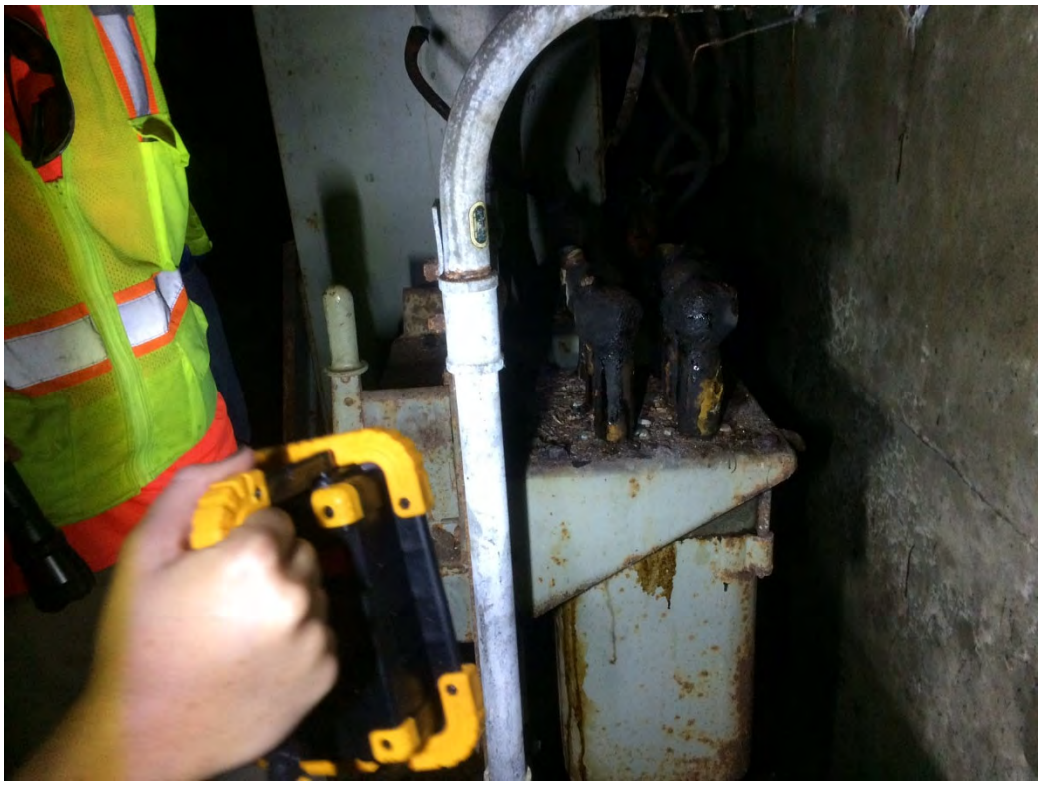
Bags Containing ACM Removed from Battery #113 and Properly Disposed of

Bag Containing ACM Removed from Battery #113 and Properly Disposed of

Wall-Mounted Above-Ground Storage Tanks (ASTs) Located within Battery #113

ASTs Safely Removed and Prepared for Disposal

Transformers T2311 and T2312 Located within Battery #113



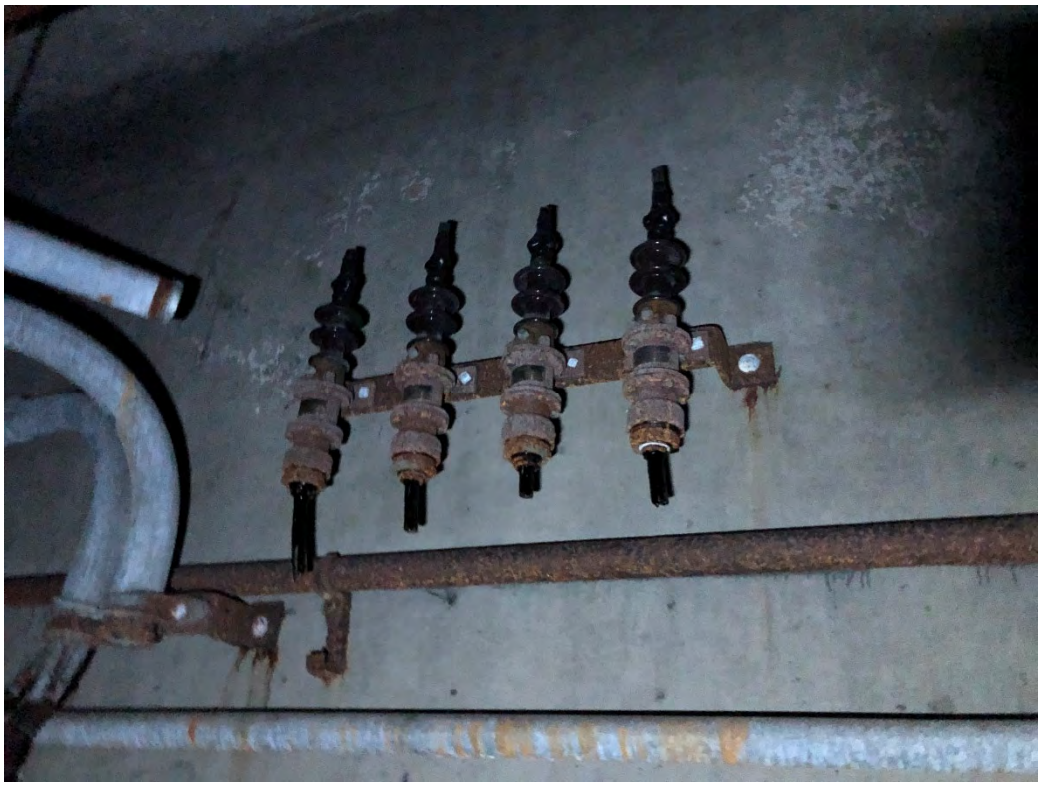
Transformers T2311 and T2312

Transformers T2311 and T2312

Transformers T2311 and T2312

Transformer T2312

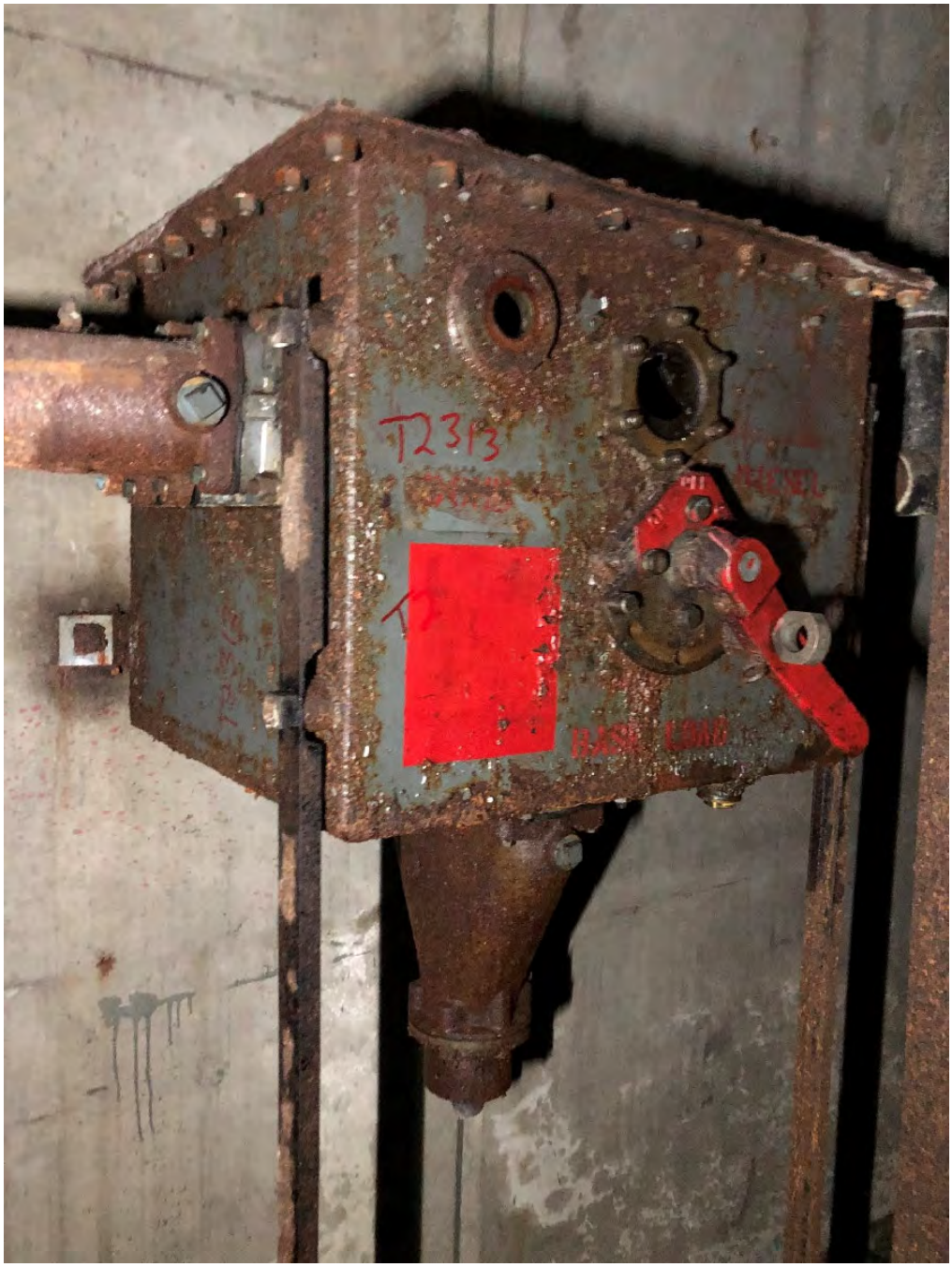
Associated Electric Components



Associated Electric Components

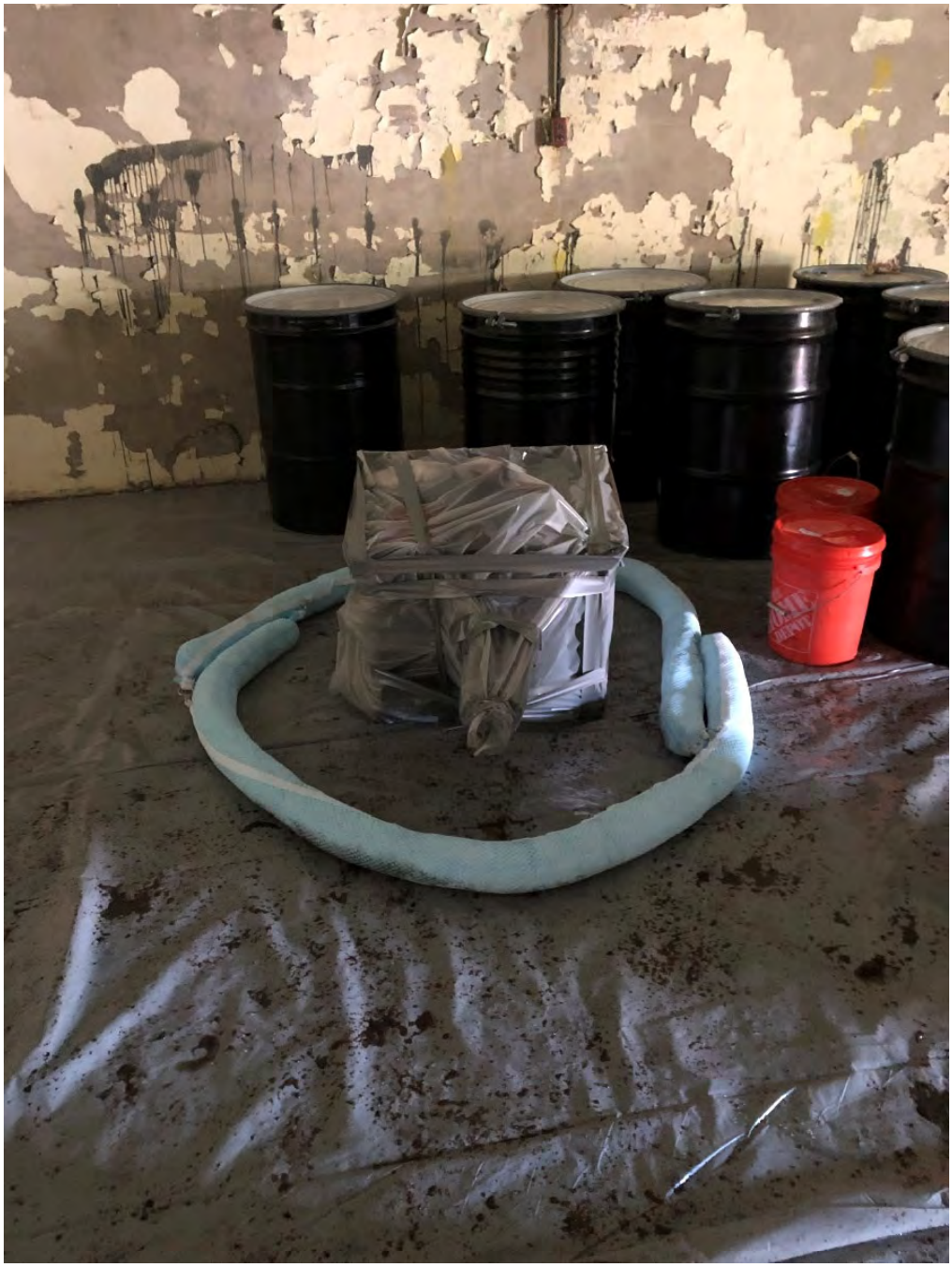
Associated Electric Components

Associated Electric Components



Transformer T2313 Located within Battery #113

Removal of PCB-Fluids from Transformer T2313



Transformer T2313 Removed from Battery #113 and Prepared for Proper Disposal

Former Transformer T2311 and T2312 Location

Former Transformer T2313 Location

Cleaning and Pressure Washing Transformer Removal Area

Transformer Removal Area Cleaned and Pressure Washed

Cleaning and Pressure Washing AST Removal Area

Concrete Chip and Wipe Sampling AST Removal Area

Wipe Sampling Transformer Removal Area

Concrete Chip Sampling Transformer Removal Area

Concrete Sampling via Core Drill with Continuous Mist and HEPA Vacuum

Concrete Sampling via Core Drill with Continuous Mist and HEPA Vacuum

Concrete Sampling via Core Drill with Continuous Mist and HEPA Vacuum

Concrete Sampling via Core Drill with Continuous Mist and HEPA Vacuum

Concrete Sampling via Core Drill with Continuous Mist and HEPA Vacuum

Concrete Core Sample Location

Concrete Core Sample Location

Concrete Core Sample Location

Concrete Core Sample Location

Concrete Core Sample Location

Concrete Core Sample Location

Concrete Core Sample Location

Concrete Core Sample Location

Aggregate Reinforcement Observed in Battery #113 Concrete

Concrete Core Sample Locations

Concrete Core Sample Locations

Limited PCB-Impacted Concrete Removal via Chipping Gun

Limited PCB-Impacted Concrete Removal via Chipping Gun

Limited PCB-Impacted Concrete Removal via Chipping Gun

Limited PCB-Impacted Concrete Removal via Chipping Gun

Limited PCB-Impacted Concrete Removal via Chipping Gun

Limited PCB-Impacted Concrete Removal via Chipping Gun

Limited PCB-Impacted Concrete Removal via Chipping Gun

Concrete Sampling Locations

Concrete Removal Area Within Battery #113

Concrete Removal Area Within Battery #113

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

Full-Scale PCB-Impacted Concrete Removal via Jackhammers

10” x 10” Rebar Observed in Battery #113 Concrete

Full-Scale PCB-Impacted Concrete Removal Area

PCB-Impacted Concrete Stockpile

Loading PCB-Impacted Concrete for Disposal

Loading PCB-Impacted Concrete for Disposal

PCB-Impacted Concrete Spoils Prepared for Proper Disposal

Battery #113 Concrete Restoration

Battery #113 Concrete Restoration

Battery #113 Concrete Restoration

APPENDIX O

C&D Debris Disposal Documentation

Customer COPY

WINTERS BROS. WASTE SYSTEMS

Winters Bros Hauling of Long Island
1625 COUNTY ROAD 39
Southampton, NY 11968-5254
Phone: (631) 283-0604
Fax: (631) 287-1232
www.wintersbros.com

CUSTOMER NO	036063
INVOICE DATE	10/14/2022
INVOICE NO	0001144230
CUSTOMER PO	
DUE DATE	11/13/2022

BALANCE FWD	$-727.79
PAYMENTS	$0.00
CREDITS	$0.00
CHARGES	$727.79
BALANCE DUE	$0.00

CURRENT	1-30 DAYS	31-60 DAYS	61-90 DAYS	OVER 90 DAYS	BALANCE DUE
$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00

DO NOT PAY THIS INVOICE IT WAS CHARGED TO THE CREDIT CARD ON FILE. IF IT DECLINES WE WILL NOTIFY YOU.

DATE	QUANTITY	FREQUENCY	DESCRIPTION	AMOUNT
Outstanding Invoices				
10/13/2022			Invoice #0001144059	$727.79
New Charges				
Site 036063-0001 - Renova Environmental Co - 1898 Montauk Hwy, Montauk				
10/14/2022	1.00		20 YARD ROLL OFF C & D - Removal - WO: 0000261677	$670.00
			SUFFOLK CTY SALES TAX	$57.79

Total New Charges: **$727.79**

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

Winters Bros Hauling of Long Island
1625 COUNTY ROAD 39
Southampton, NY 11968-5254
Phone: (631) 283-0604

CUSTOMER NO	INVOICE DATE	INVOICE NO	BALANCE DUE
036063	10/14/2022	0001144230	$ 0.00
CHECK NO		AMOUNT ENCLOSED	
		$	

Be sure to write your customer number on your check

Renova Environmental Co
3417 Sunset Ave
Ocean, NJ 07712-3911

DO NOT PAY, paid by credit card on file

WINTERS BROS. WASTE SYSTEMS

Winters Bros Hauling of Long Island
1625 COUNTY ROAD 39
Southampton, NY 11968-5254
Phone: (631) 283-0604
Fax: (631) 287-1232
www.wintersbros.com

CUSTOMER NO	036063
INVOICE DATE	10/13/2022
INVOICE NO	0001144059
CUSTOMER PO	
DUE DATE	11/12/2022

BALANCE FWD	$-1,455.58
PAYMENTS	$0.00
CREDITS	$0.00
CHARGES	$727.79
BALANCE DUE	$-727.79

CURRENT	1-30 DAYS	31-60 DAYS	61-90 DAYS	OVER 90 DAYS	BALANCE DUE
$-727.79	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$-727.79

DO NOT PAY THIS INVOICE IT WAS CHARGED TO THE CREDIT CARD ON FILE. IF IT DECLINES WE WILL NOTIFY YOU.

DATE	QUANTITY	FREQUENCY	DESCRIPTION	AMOUNT
New Charges				
Site 036063-0001 - Renova Environmental Co - 1898 Montauk Hwy, Montauk				
10/13/2022	1.00		20 YARD ROLL OFF C & D - Removal - WO: 0000261676	$670.00
			SUFFOLK CTY SALES TAX	$57.79

Total New Charges: **$727.79**

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

Prepaid

Winters Bros Hauling of Long Island
1625 COUNTY ROAD 39
Southampton, NY 11968-5254
Phone: (631) 283-0604

CUSTOMER NO	INVOICE DATE	INVOICE NO	~~BALANCE DUE~~
036063	10/13/2022	0001144059	$-727.79
CHECK NO		AMOUNT ENCLOSED	
		$	

Be sure to write your customer number on your check

Renova Environmental Co
3417 Sunset Ave
Ocean, NJ 07712-3911

DISC 1

Wash-Water - E21-03247
Building 10 Removal Actions - E21-03248
Building 107 Removal Actions - E21-03249
Battery 113 Removal Actions – PCBs - E21-03337
Battery 113 Removal Actions – TPH - E21-03338
Battery 113 Concrete Cores - 460-241195