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**Contaminated Material Management Plan  
East Coast Greenway, SR 4 Shared-Use Path Gap  
Project: T202301502  
Newark, Delaware**

*Prepared for*

Delaware Department of Transportation  
39 East Regal Boulevard  
Newark, Delaware 19713

September 2025  
Version: Draft

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**ATTACHMENT**

ATTACHMENT A: SITE SPECIFIC HEALTH AND SAFETY PLAN FOR HAZMAT ENVIRONMENTAL SERVICES

**LIST OF FIGURES**

<u>Number</u>	<u>Title</u>
1	Potential Conflict Areas

## **LIST OF ACRONYMS AND ABBREVIATIONS**

CMMP	Contaminated materials management plan
DelDOT	Delaware Department of Transportation
DNREC-RS	Delaware Department of Natural Resources and Environmental Control, Remediation Section
EPA	U.S. Environmental Protection Agency
LNAPL	Light Non-Aqueous Phase Liquids
OSHA	Occupational Safety and Health Administration
ROW	Right-of-way
UST	Underground storage tank

## 1. INTRODUCTION

This Contaminated Materials Management Plan (CMMP) has been prepared to guide the management of soil that may contain substances of environmental concern, if encountered within the project limits of Delaware Department of Transportation's (DelDOT's) East Coast Greenway, SR 4 Shared-Use Path Gap, Project Number 202301502 (herein referred to as "Project") located in Newark, Delaware. The Project involves the construction of sidewalk and curb improvements, drainage structures (including pipes, inlets, and manholes) and shared use paths. Examples of foreseeable construction activities that may disturb site soil include excavation of landscaped areas, site grading, concrete and pavement removal or installation, subsurface utility installations, and subsurface drainage installation.

Based on information obtained during a review of the Construction Plans and a preliminary environmental review of the Project, including a review of historical maps and reports, the Project vicinity includes sites that are contaminated or potentially contaminated with substances of environmental concern that are being addressed by Delaware Department of Natural Resources and Environmental Control, Remediation Section (DNREC-RS). Construction activities associated with the Project may encounter some contamination associated with the DNREC-RS sites.

This CMMP should be incorporated into construction and maintenance contracts that include earth disturbing activities typified by excavating, soil grading, or soil filling work, as part of the Project scope. Copies of this CMMP should be provided by DelDOT to site operators and contractors upon request. CMMP procedures are not required for certain activities, including, but not limited to, foundation and/or pavement removal that does not require excavation of the soil and utility potholing.

This CMMP was prepared by the consultant to address the handling and management of any contaminated soil that might be encountered during earth disturbing activities required to complete the Project and is based on EA's current understanding of the Project scope. Based on the depth to groundwater in the Project vicinity (approximately 8 to 10 feet below ground surface), the management of impacted groundwater is not anticipated during this Project.

The CMMP will become effective upon approval by DelDOT's Project Manager. The CMMP will remain in effect throughout the duration of the Project.

## 2. SUMMARY OF ENVIRONMENTAL CONDITIONS

Based on information obtained during a review of the Construction Plans and a preliminary environmental review of the Project, including a review of historical maps and reports, the Project vicinity includes sites that are contaminated or potentially contaminated with substances of environmental concern that are being addressed by DNREC-RS. Construction activities associated with the Project will be conducted within the DeIDOT right of way (ROW) and not within the boundaries of these DNREC-RS sites.

Although construction is not anticipated within the property boundaries of the identified DNREC-RS sites, earth disturbing activities as part of the Project scope will take place in areas that may contain contaminated soil due to historical land use or contain known environmentally impacted fill material. Caution should be taken when performing soil excavation activities such as petroleum hydrocarbons, chlorinated volatile organic compounds, and/or metals may be present in soil.

**Figure 1** illustrates the location of the construction site boundaries adjacent to former or existing DNREC-RS sites with known environmentally impacted soil. Regardless of designation, soil within the Project vicinity should be considered potentially contaminated.

### 3. PROJECT PERSONNEL AND RESPONSIBILITIES

The Project will be managed by DelDOT, and the prime contractor is to be determined (herein referred to as prime contractor).

Prior to intrusive activities for the Project, the following activities will be completed by the prime contractor. These requirements are not intended to encompass all of the prime contractor's responsibilities, only those that pertain to the management of contaminated soil.

- Provide a health and safety representative to conduct a health and safety briefing. The representative will conduct a pre-construction safety meeting that includes personnel involved in the proposed excavation activities.
- If required, install and maintain erosion and sediment controls described in DelDOT's Approved Sediment and Stormwater Management Plans.

Before starting intrusive earth disturbing activities, the prime contractor will:

- Secure the construction site and equipment and provide adequate protective measures to limit potential public exposure to environmentally contaminated material.
- Locate a staging area for any potential contaminated material, and be prepared to provide personnel, equipment, and supplies to excavate and stage the soil at a location designated by the prime contractor.
- Be prepared to provide the appropriate personnel, equipment, and supplies necessary to load stockpiled soil into solid waste hauling trucks.

Be prepared to decontaminate equipment appropriately at the completion of earth disturbing activities.

The consultant will characterize stockpiled soil for disposal; manage the transportation and off-site disposal of the contaminated soil; and assist the prime contractor with any other environmental issues encountered during the Project, as directed by DelDOT's Project Manager. Tasks to be performed by the consultant include the following:

- Subcontract a laboratory to analytically characterize waste.
- Collect waste characterization samples for off-site disposal.
- Subcontract a licensed waste hauler and disposal/treatment facility for transportation and off-site disposal/treatment of the contaminated soil.

### 3.1 PROJECT CONTACTS

The key management personnel for the Project and their contact information are as follows:

#### **DelDOT**

- Project Manager: To be determined (TBD)
  - Phone
  - Email
- HazMat Program Manager: TBD
  - Phone
  - Email

#### **Prime Contractor – TBD**

- Project Manager: TBD
  - Phone
  - Email

#### **Consultant**

- Project Manager: TBD
  - Phone
  - Email
- Field Supervisors: TBD
  - Phone
  - Email

## 4. CONTAMINATED MANAGEMENT PROCEDURES

This section of the CMMP provides precautions and procedures that are applicable to general environmental conditions and requirements for the Project. The precautions and procedures described in this section are adequate for addressing soil stockpiling, transportation, and disposal for work conducted as part of the Project within DelDOT's ROW. While environmental conditions and potential chemical hazards have been assessed for this Project, several considerations are applicable to all intrusive soil disturbing work.

### 4.1 EXCAVATION OF CONTAMINATED SOIL

The prime contractor's personnel will excavate the contaminated soil according to the Project specifications. The contaminated soil will be stockpiled in a staging area where pavement is present, and the location will be designated by the prime contractor. The staging area will be constructed and maintained in compliance with, if required, the approved erosion and sediment control requirements for the Project. The prime contractor will be responsible for constructing a plastic-lined staging area, which will consist of placing 6-millimeter polyethylene sheeting on the ground surface to minimize the potential for impact to the underlying soils or pavement. Soil will be staged on top of the sheeting. The stockpile will be covered with the sheeting at the end of each workday and secured by weights to minimize the potential for removal of the sheeting by wind. The prime contractor will maintain the sheeting cover until the material is loaded for transportation to a licensed treatment/disposal facility.

Any stockpiled soil that is saturated with water must be allowed to dry out (e.g., air or mixing with lime) prior to the material being transported to an off-site disposal facility.

In the event debris (e.g., concrete, etc.) is encountered during excavation, the debris will be segregated and managed in accordance with applicable solid waste regulations by the prime contractor.

In the event that light non-aqueous phase liquids (LNAPL) are encountered during intrusive activities the prime contractor will do the following:

- LNAPL observed during excavation activities—The prime contractor will immediately notify the DelDOT Project Manager upon observation of LNAPL-impacted soil. After consultation with DelDOT HazMat Project Manager, the consultant will direct the prime contractor to excavate and stage the impacted soil in the temporary stockpile staging area pending characterization and disposal.
- LNAPL observed leaching from stockpiled soils—If LNAPL is observed leaching from the temporary stockpiled soils, the prime contractor will immediately notify the DelDOT Project Manager. The prime contractor will surround the stockpiled soil area with absorbent material (i.e., booms) to absorb and contain the LNAPL. The consultant will periodically evaluate the stockpiled area to verify that these controls are functioning properly. The prime contractor will replace the saturated absorbent material with new material and

containerize the used material in a labeled 55-gallon Department of Transportation-approved drum for offsite disposal.

If the prime contractor suspects contaminated soil by visualization of staining, debris, a sheen or presence of LNAPL or by odor, cease excavation activities and notify DelDOT HazMat Project Manager immediately. Impacted soils that are environmentally unsuitable cannot be reused within the Project area and must be staged for off-site disposal.

#### **4.2 WASTE CHARACTERIZATION**

The consultant personnel will collect representative composite soil samples from the stockpiled soil excavated during the Project in order to provide the necessary waste characterization data to the disposal/treatment facility for approval to receive the soil at its facility. The composite soil samples will be submitted to an environmental laboratory for analysis required by an off-site disposal treatment facility. The analytical data collected will be submitted to the off-site disposal treatment facility along with other required paperwork for approval to dispose of soil excavated during the Project. The number of soil samples to be collected by the consultant will be based on the volume of soil shipped to meet the requirements of the disposal/treatment facility.

#### **4.3 TRANSPORTATION AND DISPOSAL OF CONTAMINATED MATERIALS**

Transportation and disposal of excavated soil/material must be performed pursuant to the Hazardous Waste Management Act (7 Delaware C Chapter 63), Parts 260 through 268, and Regulations Governing Solid Waste (7 Delaware C, Chapter 60).

No free liquids will be leaking from trucks during the transportation of soil. The prime contractor will ensure that the excavated materials comply with the requirements of the disposal facility.

In the event that the material should spill outside the designated loading area, the prime contractor will collect the spilled materials and place them in the stockpile or transport container. This response will include public or private roadways as well as the Project vicinity.

The consultant will be responsible for completing all paperwork required by the facility for approval of disposal at the selected disposal/treatment facility. The licensed waste hauler will provide the Delaware-licensed solid waste hauling trucks to transport the contaminated soil to the selected facility. The consultant representative will be on-site to sign the waste manifest during the day(s) the contaminated soil is transported off-site. The consultant will provide copies of completed waste manifests in a summary letter to DelDOT after the work is concluded.

#### **4.4 UNDERGROUND STORAGE TANKS AND ASSOCIATED PIPING**

If underground storage tanks (USTs) are encountered during excavation activities, the work will be temporarily halted pending coordination and agreement with DNREC-RS on how best to address the encountered condition. A Delaware licensed UST removal or retrofitting contractor

will properly drain, clean, remove, and dispose of the USTs in accordance with the applicable Delaware Regulations Governing UST Systems.

#### **4.5 SUMMARY LETTER**

Following the transportation and disposal of contaminated soil, the consultant will prepare and submit a summary letter to DelDOT documenting all of the remediation work performed as part of this Project. The summary letter will include copies of the bills of lading; waste manifests; laboratory analytical reports for the samples collected; photographs; and certificates of destruction/recycling from the treatment/disposal facilities.

## 5. HEALTH AND SAFETY

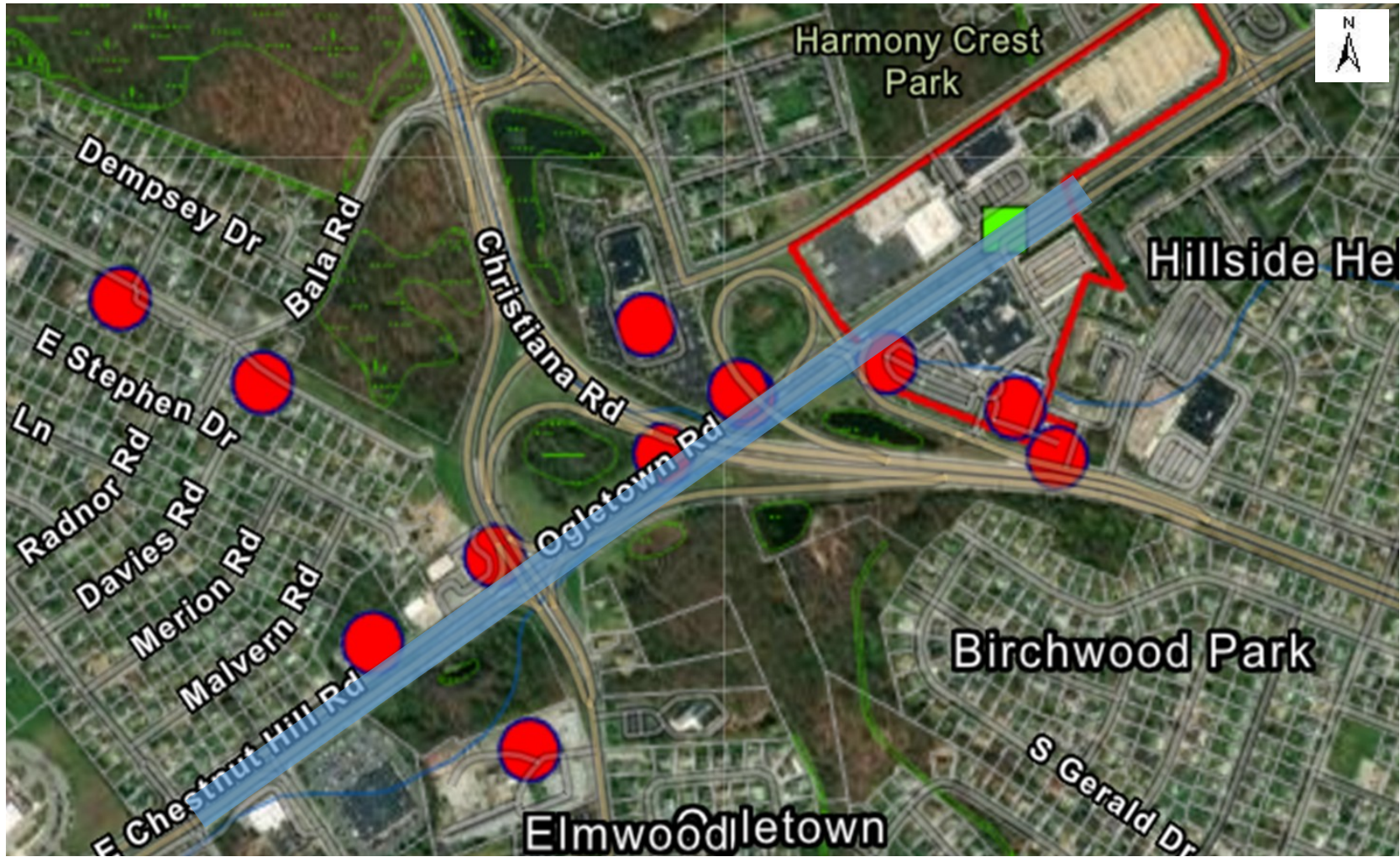
All work performed at locations where potential contaminated soil exists will be performed in accordance with the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 Code of Federal Regulations 1910.120. Any personnel working at locations where contaminated soil exists will comply with the following requirements:

- Have completed at least 24 hours of introductory hazardous waste site training or equivalent work experience as defined by OSHA.
- Have completed the 8-Hour Refresher Training if the identified persons had introductory training more than 12 months prior to this site work.
- Have completed 8-Hour Supervisory Training if their assigned function involves the supervision of subordinate personnel.
- Work is to be expected to be in Level D personal protection equipment, which includes, but not limited to steel toe boots, nitrile gloves, safety glasses, hard hat, safety vest, First Aid kit, overboots, ear plugs, and potable eye wash.

The consultant has prepared a Site-Specific Health and Safety Plan documenting the procedures to be used while performing work described in this CMMP. A copy of the Site-Specific Health and Safety Plan is included as **Attachment A**. The purpose of the Site-Specific Health and Safety Plan is to provide general safe work practices, emergency action procedures, air monitoring requirements, and site control measures to be used during all work activities performed at locations with potential contamination issues to ensure that project workers are provided a safe work environment. Contractors working on the Project can also prepare their own location-specific Health and Safety Plans that meet their company standards as long as the plan is prepared by a trained Health and Safety professional. A copy of this plan should be submitted to the DelDOT Project Manager prior to the start of work activities at the location where the contamination issue(s) exist.

## **Figures**

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Map Source: DNREC NAVIGATOR MAP POWERED BY ESRI

**LEGEND:**

- Approximate Construction Area
- Certified Brownfield Sites
- DNREC Remediation Sites
- Leaky Underground Storage Tank Sites

Not To Scale

**East Coast Greenway, SR 4 Shared-Use Path Gap**  
**Project #T202301502**  
 Newark, New Castle County, Delaware

Figure 1  
 Potential Conflict Areas

**Attachment A**  
**Site Specific Health and Safety Plan for HAZMAT**  
**and Environmental Services**

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SITE SPECIFIC HEALTH AND SAFETY PLAN FOR  
HAZMAT AND ENVIRONMENTAL SERVICES

MAY 2025

**CLIENT:** Delaware Department of Transportation (DelDOT)

**PROJECT NAME / NUMBER:** East Coast Greenway, SR 4 Shared-Use Path Gap, T202301502

**SITE LOCATION / ADDRESS:** East Coast Greenway, SR 4 Shared-Use Path Gap, Newark, Delaware

**WORK DESCRIPTION:** The consultant will provide environmental services in support of DelDOT's East Coast Greenway, SR 4 Shared-Use Path Gap Project located in Newark, Delaware. Consultant personnel will oversee excavation activities and collect waste characterization samples at the Project site for laboratory analyses.

**SITE DESCRIPTION:** Based on information obtained during a review of the Construction Plans and a preliminary environmental review of the Project, the Project lies within contaminated or potentially contaminated with substances of environmental concern (see list of Chemical Hazards on page 5) that are being addressed by Delaware Department of Natural Resources and Environmental Control, Remediation Section (DNREC-RS). Construction activities with the Project will be conducted within DelDOT rights-of-way and not within the boundaries of the DNREC-RS sites.

Although construction is not anticipated within the boundaries of the identified DNREC-RS sites, earth disturbing activities as part of the Project scope will take place in areas that may contain contaminated soil due to historical land use or contain known environmentally impacted fill material. Caution should be taken when performing soil excavation activities, as volatile organic compounds or metals may be present in the soil.

This Site-Specific Health and Safety Plan address the handling, storage, and disposal of Project-related soil.

**APPROVALS:** This Site-Specific Health and Safety Plan has been prepared under the supervision and review of a Certified Industrial Hygienist certified by the American Board of Industrial Hygiene.

Program Health and Safety Manager: \_\_\_\_\_  
To Be Determined Date

Project Manager: \_\_\_\_\_  
To Be Determined Date

**EMERGENCY CONTACT INFORMATION:**

Contacts	Name	Phone Number(s) work/cell
Project Manager	To Be Determined	
Program Health and Safety Manager	To Be Determined	
Field Team	To Be Determined	
Site Safety and Health Officer	To Be Determined	
Consultant Medical Services	WorkCare	
Poison Control		800-222-1222
National Response Center		800-424-8802
Fire Department	Christiana	911
Police Department	New Castle County	911
Other (as applicable)		

**MEDICAL EMERGENCY:**

**Distance to Nearest Hospital (with emergency room):** 1.4 miles (approximately 3 minutes)

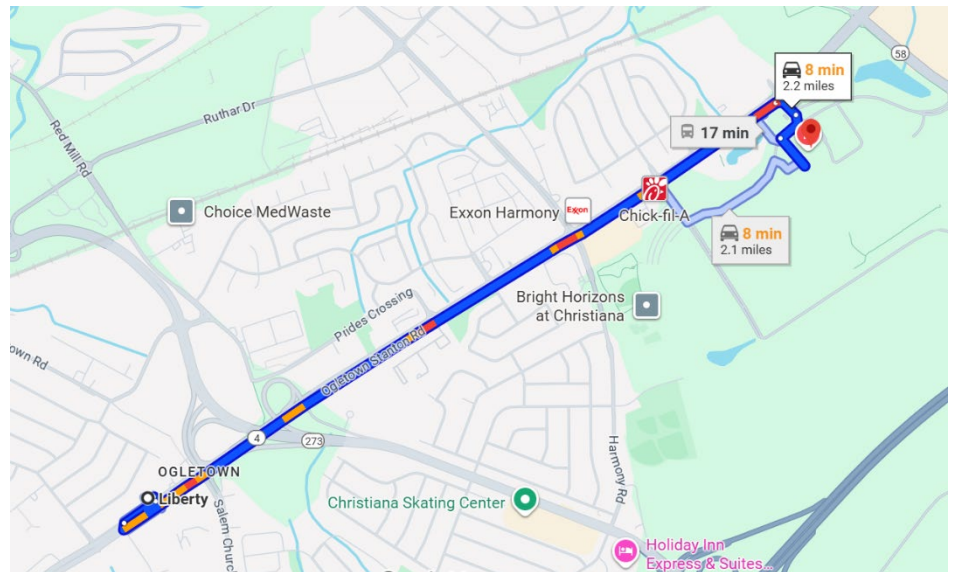
**Hospital Name:** Christiana Hospital

**Hospital Phone:** (302) 733-1000

**Hospital Address:** 4755 Ogletown Stanton Road, Newark, Delaware 19718

**Directions:**

1. Follow **DE-4 E** (East Chestnut Hill Road) – 1.9 miles
2. Turn **right** onto Hygeia Drive – 328 feet
3. Turn **right** – 404 feet
4. Turn **left** – 463 feet



**HAZARDS OF CONCERN:** Check as many as are applicable.

- |   |   |  |   |
|---|---|--|---|
| <input checked="" type="checkbox"/> Heat Stress | <input type="checkbox"/> Reactive                       | <input type="checkbox"/> Oxygen Deficient            | <input checked="" type="checkbox"/> Insect Bite     |
| <input checked="" type="checkbox"/> Cold Stress | <input checked="" type="checkbox"/> Noise               | <input type="checkbox"/> Corrosive                   | <input type="checkbox"/> Snake Bite                 |
| <input type="checkbox"/> Explosion/Fire         | <input checked="" type="checkbox"/> Inorganic Chemicals | <input type="checkbox"/> Toxic                       | <input type="checkbox"/> Electrical                 |
| <input type="checkbox"/> Biological             | <input checked="" type="checkbox"/> Organic Chemicals   | <input type="checkbox"/> Inert                       | <input type="checkbox"/> Vegetation                 |
| <input type="checkbox"/> Radiological           | <input checked="" type="checkbox"/> Utilities           | <input checked="" type="checkbox"/> Excavations      | <input checked="" type="checkbox"/> Heavy Equipment |
| <input checked="" type="checkbox"/> Volatile    | <input type="checkbox"/> Lifting                        | <input checked="" type="checkbox"/> General Physical | <input checked="" type="checkbox"/> Active Roadway  |
| <input type="checkbox"/> Confined Space         |   |  |   |
| <input type="checkbox"/> Other, specify: _____  |   |  |   |

**CONTROLS OR PROTECTIVE MEASURES:** Check as many as are applicable.

- Pre-entry Briefing/Safety Meetings                       PPE                       Site control

Operator Training: Contractor should have OSHA Excavator Safety Training

Permits: Contractor will call Miss Utility for utility markout prior to any intrusive (excavation) activities.

Engineering Controls: Plastic sheeting for stockpiled soil.

Work Practices: Follow site control requirements for working near roadway. This can include clear work zones, traffic control devices, and enhancing worker visibility. The contractor should have a comprehensive traffic control plan approved by DelDOT before the start of any construction activities. For excavation areas, site controls may include keeping materials (i.e., spoils) away from the edge of the excavation, providing the right equipment (e.g., ladders, ramps, stairs) for getting in and out of excavation areas if deeper than 4 feet, and sloping/benching or installing trench boxes into the excavation area if greater than 5 feet. Avoid digging in or near underground utilities. The consultant will not enter into any open excavation areas.

Other: High visibility vests (ANSI Class II safety vests) shall be worn. First Aid kit and eyewash will be available.

**EXPOSURE PATHWAYS:**     Inhalation                       Ingestion                       Dermal                       Injection

**POTENTIALLY IMPACTED MEDIA:**

- Air     Dust/Soil     Surface Water     Sediment     Groundwater     Other:

**FIRE/EXPLOSION POTENTIAL:**     High                       Medium                       Low

**SURROUNDING POPULATION:**     Residential                       Industrial                       Rural                       Urban

**ANTICIPATED LEVEL OF CHEMICAL EXPOSURE:** List potential contaminants of concern, media, and concentration levels if known.

- High                       Medium                       Low

Potential volatile organic compounds (i.e., petroleum hydrocarbons), semi-volatile organic compounds, and metals (i.e., lead) in soil. As the work will mainly occur outside the limits of the DNREC-RS sites, it is anticipated that low concentrations of contaminated material may be encountered. The consultant will field screen the soils with a PID

for airborne hazards. The action level for PID data as exposure evaluation will be greater than 5 ppm, where work will halt, and a hazard evaluation will occur. The consultant and DelDOT contractors will have low interaction with soil, therefore, no dust is anticipated.

**OVERALL HAZARD RANKING:**     ( ) High                    (X) Medium                    ( ) Low

**JUSTIFICATION OF HAZARD RANKING:** Brief narrative of how work activities may encounter hazards and their controls.

Earth disturbing activities (conducted by DelDOT contractors) as part of the Project scope will occur in areas that may contain contaminated soil. The prime contractor should have a ‘competent person’ as the equipment operator. A ‘competent person’ can identify existing or predictable hazards in the work area that are dangerous to employees and who has authorization to take prompt corrective measures to eliminate the hazards. A firm experienced and licensed in transportation and disposal of non-hazardous soil will be used to transport the material to the disposal facility. Work is expected to be in Level D personal protection equipment, which includes, but not limited to steel toe boots, nitrile gloves, safety glasses, hard hat, high-visible (Class II) safety vest, First Aid kit, overboots, ear plugs, and potable eye wash.

If the consultant needs to approach the excavation area to field-screen potentially contaminated soil, workers should do the following:

- Access to excavation areas must be controlled and limited to authorized personnel.
- Visually inspect the area for slippery spots or debris and correct if found.
- Ensure communication with the operator prior to approaching equipment. Ensure the operator is always aware of your position and stay out of the swing radius or operational area of the heavy equipment.
- The consultant will not enter any open excavation areas.

Based on the depth to groundwater in the Project vicinity, (approximately 10 feet below ground surface), management of impacted groundwater is not anticipated during this Project.

**CHEMICAL HAZARDS:**

Compound	PEL or TLV/STEL	IDLH	Route of Exposure	Symptoms
<b>Volatile Organic Compounds (VOC)</b>				
Diesel Fuel (total hydrocarbons) <i>Skin</i>	100 mg/m <sup>3</sup> (approximately 15 ppm)	-	Inhalation, Ingestion, Skin/Eye Contact	Dermatitis.
Gasoline	300 ppm/500 ppm	Ca	Inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; dermatitis; headache, weakness, exhaustion, blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonitis (aspiration liquid); possible liver, kidney damage; [potential occupational carcinogen].
<b>Volatile Organic Compounds (BTEX)</b>				
Benzene	0.5 ppm/2.5 ppm	Ca 500 ppm	Inhalation, Ingestion, Absorption, Skin/Eye Contact	Irritated eyes, nose, skin, respiratory system, nausea, headache, fatigue, dermatitis.
Ethylbenzene	20 ppm/125 ppm	800 ppm	Inhalation, Ingestion, Skin/Eye Contact	Irritated eyes, mucous membranes; headache, dermatitis, narcosis, coma.
Toluene <i>Skin</i>	20 ppm Ceiling Limit 300 ppm	500 ppm	Inhalation, Ingestion, Absorption, Skin/Eye Contact	Irritated eyes, nose; fatigue, weakness, confusion, euphoria, dizziness, insomnia, nervousness, muscle fatigue, dermatitis.
Xylenes, total	100 ppm/150 ppm	900 ppm	Inhalation, Ingestion, Absorption, Skin/Eye Contact	Dizziness, excitement, drowsiness, irritated eyes, nose and throat, nausea, vomiting, abdominal pain, and dermatitis.
Trichloroethene	10 ppm/25 ppm Ceiling Limit – 200 ppm	Ca 1,000 ppm	Inhalation, Ingestion, Absorption, Skin/Eye Contact	Irritated eyes, skin; headache, dizziness, vertigo, visual distortion, fatigue, giddiness, vomiting, dermatitis, nausea.
<b>Metals</b>				
Lead (and inorganic compounds as Pb)	0.050 mg/m <sup>3</sup> 0.030 mg/m <sup>3</sup> Action Limit (OSHA)	100 mg/m <sup>3</sup> (as Pb)	Inhalation and Ingestion via particulates, Skin/Eye Contact	Lassitude, insomnia, pallor, anoxia, weight loss, constipation, abdominal pain, colic, anemia, wrist paralysis.
IDLH	Immediately Dangerous to Life and Health			
PEL	Permissible Exposure Limit			
ppm	Parts per million			
mg/m <sup>3</sup>	Milligrams per cubic meter			
TLV	Threshold Limit Value			
STEL	Short Term Exposure Limit (15 min)			
Ca	Carcinogen			
Pb	Lead			
<i>Skin</i>	Skin absorption can contribute to overall body dose.			

**WORKING ALONE:** ( ) No (X) Yes, explain precautions: Soil waste characterization sampling can occur independently with other construction contractors present at the site.

**UTILITY CLEARANCE:**

One-Call Utility Services ( ) Not Required (X) Required, explain The contractor will call Miss Utility to locate underground utilities prior to any intrusive activities.

Facility-Provided Clearance or Permit (X) Not Required ( ) Required, explain \_\_\_\_\_

Geophysical, Pipe Locator, or Other Contractor (X) Not Required ( ) Required, explain \_\_\_\_\_

**CONTINGENCY PLANS:** Summarize below (Evacuation, assembly point, contingency leader)

Personnel will proceed in the Project vicinity to a safe distance upwind from the hazard source. Personnel will remain in that area until the Site Safety and Health Officer, or an authorized individual provides further instructions.

**MEDICAL SURVEILLANCE:**

Do Hazardous Waste Site Workers and Supervisor(s) have Documentation of Required Medical Exams?

(X) Yes ( ) No, Explain \_\_\_\_\_

**TRAINING REQUIRED:**

(X) HAZWOPER WORKER ( ) HAZWOPER SUPERVISOR (X) FIRST/CPR

( ) CONFINED SPACE ( ) OTHER, explain \_\_\_\_\_

**PROTECTIVE EQUIPMENT:** Protective equipment should be specified by the type of task and site (e.g., soil boring and sampling at landfill). Indicate type and/or material, as necessary.

**TASKS:** Mobilization/demobilization activities and soil screening and sampling

**INITIAL LEVEL:** A - B - C - **(D)** - Modified (Circle applicable)

Respiratory: (X) Not needed  
 SCBA, Airline: \_\_\_\_\_  
 APR: \_\_\_\_\_  
 Cartridge: \_\_\_\_\_  
 Escape Mask: \_\_\_\_\_  
 Other: \_\_\_\_\_

Protective Clothing: (X) Not needed  
 Encapsulating Suit: \_\_\_\_\_  
 Splash Suit: \_\_\_\_\_  
 Apron: \_\_\_\_\_  
 Tyvek Coverall  
 Saranex Coverall  
 Coverall: \_\_\_\_\_  
 Other: \_\_\_\_\_

Head and Eye:  Not needed  
 Safety Glasses: \_\_\_\_\_  
 Face Shield: \_\_\_\_\_  
 Goggles: \_\_\_\_\_  
 Hard Hat: \_\_\_\_\_

Gloves:  Not needed  
 Undergloves: \_\_\_\_\_  
 Gloves: Nitrile  
 Overgloves: \_\_\_\_\_  
 Other: \_\_\_\_\_

Hearing Protection:  Not needed  
 Plugs: As determined by SSHO  
 Muffs: \_\_\_\_\_

Boots:  Not needed  
 Safety Boots: Steel-toed  
 Overboots: \_\_\_\_\_

**MONITORING EQUIPMENT:** Monitoring equipment should be specified by task and type of site. Indicate type, as necessary.

**TASKS:** Soil stockpile sampling and removal, and oversight

<u>INSTRUMENT</u>	<u>ACTION GUIDELINES</u>
Combustible Gas Indicator\O <sub>2</sub> (X) Not needed	0-10% LEL Continue. 10-20% LEL Potential explosion hazard, continuous monitoring. >20% LEL Explosion hazard; interrupt task/evacuate.
Oxygen (O <sub>2</sub> ) Percentage: Type: _____	20.8% - O <sub>2</sub> normal. <20.8% - O <sub>2</sub> deficient, investigate cause. <19.5% O <sub>2</sub> Interrupt task/evacuate.
Photoionization Detector ( ) 11.7 ev (X) 10.6 ev ( ) 09.8 ev ( ) __ ev Type: <u>The consultant will provide a PID during the excavation oversight.</u> ( ) Not needed	Specify: (COCs) VOCs

Flame Ionization Detector Specify: (COCs)  
Type Photovac or OVA (circle applicable or list other):  
 Not needed

---

Detector Tubes Or Chemical Detector Specify: (COCs, Range, Interferences)  
Type \_\_\_\_\_  
 Not needed

---

Dust Monitor Specify: (COCs, Nuisance)  
Type \_\_\_\_\_  
 Not needed

---

Radiation Survey Meter Specify: (Radioisotopes; alpha, beta, gamma, x-ray)  
> Background Contact RSO/SSHO and PM  
3 x Background Notify CIH and stop work  
2.5mR/hr Interrupt task/evacuate  
 Not needed Note: Annual Exposure not to exceed 100 mrem/yr or 50 urem/hr average

---

Other Instruments Specify: None

---

***DECONTAMINATION PROCEDURES:***

Summarize personnel decontamination/containment and disposal method  
 Not needed

Used PPE (e.g., nitrile gloves) will be disposed of as municipal waste. Non-disposal PPE (hard hat, and safety glasses) should be properly wiped with disposable 70% alcohol wipes prior to the conclusion of each workday. Personnel should wash hands and/or face before eating. No smoking is allowed onsite. Personnel should wash hands and/or use hand sanitizer (with at least 60% alcohol content) as soon as possible after touching all high-contact areas such as door handles.

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Summarize heavy equipment decontamination/containment and disposal method  
 Not needed

The prime contractor will dry decontaminate heavy equipment appropriately at the completion of soil disturbing activities to eliminate any soil being deposited on the roadways and sidewalks.

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Investigation Derived Waste (IDW) and Waste Disposal  
 Not needed

Soil will be stockpiled, characterized, and, if required, disposed of at an offsite disposal treatment facility.



