



July 15, 2024

Mr. Jarrod Cabral  
Truro Department of Public Works  
17 Town Hall Road  
Truro, MA 02666

**RE: SCOPE MODIFICATION #1**  
**PROJECT NUMBER: TRU2501P2**

This Scope Modification modifies the existing agreement between the Town of Truro and HRP Associates, Inc. (HRP) dated March 11, 2024.

The change specified below modifies the scope of services and costs described in our existing agreement. All of the original provisions of the Terms and Conditions, previously executed by both parties, continue to apply.

This modification to HRP's scope of services includes the following tasks to submit to complete an Immediate Response Action (IRA) relating to the release petroleum from a buried 275-gallon storage tank and six 55-gallon drums.

#### **Task 10: IRA Oversight and Coordination with MassDEP**

HRP provided IRA oversight and direction on July 11<sup>th</sup> and 12<sup>th</sup>, 2024. The oversight included coordination with the Massachusetts Department of Environmental Protection (MassDEP), the Town of Truro Fire Department, the Town of Truro Department of Public Works (DPW) and Reworld (formerly Global Remediation) to create a multifaceted response to the release. HRP also directed the DPW on the excavation and stockpiling of petroleum impacted soil, the removal of a buried 275-gallon steel storage tank, and the removal of six buried 55-gallon steel drums. On July 11, 2024, approximately 45 cubic yards of petroleum impacted soil was removed from the excavation. Prior to excavation, MassDEP verbally approved IRA activities to include the excavation of up to 50 cubic yards of petroleum impacted soil and subsurface investigation activities.

The excavated soil was placed onto and covered with 6-mil polyethylene sheeting pending off-site disposal. Soil samples were collected from the soil stockpile for laboratory analysis of soil disposal parameters including the following:

- Total Petroleum Hydrocarbons (TPH)
- Volatile Organic Compounds (VOCs)
- Semivolatile Organic Compounds (SVOCs)
- Massachusetts Contingency Plan 14 Metals
- Pesticides
- Herbicides
- Polychlorinated Biphenyls (PCBs)
- pH
- Conductivity

- Flash Point
- Reactivity

The 275-gallon steel storage tank and six steel 55-gallons drums were placed into a rubber containment cell that was lined and covered with 6-mil polyethylene sheeting pending off-site disposal. Absorbent pads were also placed into the containment cell under the tank and drums.

During IRA activities, HRP collected soil samples in two-foot intervals from the excavation for field screening for total organic vapors (TOV) with a photoionization detector (PID). Three select post excavation soil samples were y collected from the excavation based on visual, olfactory, and TOV PID results. The soil samples were submitted to a Massachusetts certified laboratory for analysis of Extractable Petroleum Hydrocarbons (EPH) with Polycyclic Aromatic Hydrocarbons (PAHs), Volatile Organic Compounds (VOCs), Volatile Petroleum Hydrocarbons (VPH), MCP 14 Metals, PCBs, Pesticides, and Herbicides.

The excavation was completed to eight feet below grade and a demarcation layer was placed in the bottom of the excavation. DPW personnel placed clean sand backfill into the excavation to match existing grade pending receipt of the analytical data from the three post excavation soil samples.

Additional excavation and analytical samples may be needed in the future. HRP is planning to advance soil borings and install monitoring wells at the site in the future under a separate scope of work previously approved. HRP assumes that the soil borings and monitoring wells that have already been proposed will be sufficient.

### **Task 11: Soil Disposal, Tank Disposal, and Drum Disposal**

HRP assumes that the soil excavated and stockpiled as part of Task 10 will be suitable for recycling at the thermal desorption facility operated by Clean Earth in Loudon, New Hampshire. HRP will subcontract with Reworld to transport up to 100 tons of petroleum impacted soil to the facility for recycling. Reworld will also clean the excavated tank and drums with a solution of water and simple green and/or biosolve. The wash water and any absorbents used will be collected in up to four 55-gallon steel drums for off-site disposal under a manifest. The cleaned drums and tank will be transported to a salvage yard for recycling.

### **Task 12: IRA Completion Report and Permanent Solution Statement**

HW assumes that the release has not impacted groundwater and that the post excavation soil samples will have concentrations of oil and/or hazardous materials (OHM) below the applicable MassDEP Method 1 Standards. Assuming favorable analytical data, regulatory closure will be achievable with a Method 1 Risk Characterization. HW will present the results of the Method 1 Risk Characterization in an IRA Completion Report and Permanent Solution Statement with No Conditions for submission to the MassDEP. HW assumes that the report will be submitted to the MassDEP within 60 days of notification (by September 9, 2024) and, as such, a filing fee and IRA Plan will not be required.

## PROJECT BUDGET AND SCHEDULE

HRP will provide the tasks outlined above on a Time and Materials (T&M) basis, not to exceed the amount quoted below without prior client approval.

### Task 10: IRA Oversight and Coordination with MassDEP

Labor, Equipment and Materials	\$ 6,450
<u>Laboratory</u>	<u>\$ 5,400</u>
Task 10 Estimated Total	\$ 11,800

### Task 11: Soil Disposal, Tank Disposal, and Drum Disposal

Labor, Equipment and Materials	\$ 2,500
<u>Subcontractors</u>	<u>\$ 27,000</u>
Task 11 Estimated Total	\$ 29,500

### Task 12: IRA Completion Report and Permanent Solution Statement

<u>Labor, Equipment and Materials</u>	<u>\$ 8,500</u>
Task 12 Estimated Total	\$ 8,500


## Assumptions

- HRP assumes that no more than 100 tons of soil will be transported by three trucks to the Clean Earth facility.
- HRP assumes that up to four 55-gallon drums of wash water and absorbents/PPE will be generated during the tank and drum cleaning.
- HRP assumes that the soil and drums will not be characterized as hazardous waste.
- Laboratory testing beyond what is described above will not be necessary.
- Additional excavation beyond what was already completed will not be necessary.
- Additional regulatory reporting beyond what is detailed above will not be necessary.

The additional cost for this modification to the previous scope of work is \$49,800. This modification increases the total project cost to \$135,250.

Please indicate your acceptance of this Scope Modification and additional work costs by signing below.

**Accepted by Town of Truro**



Signature

Darrin K. Tangeman

Printed Name

Town Manager

Title

7/15/2024

Date

**Accepted by HRP**

Signature

Printed Name

Title

Date

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