

**SECTION 00293 - DECOMMISSION UNDERGROUND STORAGE TANKS**

*(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and Senior Specifications Engineer for review and approval.)*

Section 00293, which is not a Standard Specification, is included in this Project by Special Provision.

**Description**

**00293.00 Scope** - In addition to the requirements of Section 00290, decommission underground storage tanks according to these specifications.

Decommission the following underground storage tanks:

*(Fill in the table with the location, number, contents, volume, Regulated-UST or HOT, and required decommission method.)*

Location/Station	Number of UST	UST contents	Volume (gallons)	Regulated-UST or HOT	Decommission Method (Removal or In-place)

**00293.02 Definitions:**

**Decommission by Filling In-Place** - Decommissioning underground storage tanks by filling them in place with inert material.

**Decommission by Removal** - Decommissioning underground storage tanks by removing them.

**Heating Oil Tank (HOT)** - Heating oil tanks meeting the requirements of OAR 340-177.

**Regulated Underground Storage Tank (Regulated-UST)** - Underground storage tanks meeting the requirements of OAR 340-150.

**Underground Storage Tank (UST)** - Regulated underground storage tanks and underground heating oil tanks.

*(Use this subsection .03 when decommissioning regulated underground storage tanks.)*

**00293.03 Submittals for Regulated Underground Storage Tanks** - The following documentation is required:

- Prepare and submit to the Engineer for signing the following DEQ forms:
  - 45 Calendar Days before beginning tank decommission work, DEQ's "General Permit Registration Form to Decommission Existing Unregistered Tanks and 30-Day Notice of Intent to Decommission USTs".

*(Change the word "Agency" below to the actual owner of the tank when ODOT is not the property owner.)*

- List the Agency as the "Permittee" and the "Property Owner". List "Unknown" as the "Tank Owner".
- Pay the Registration Fee and all back fees.

*(Use the following bullet when the date of original UST installation is unknown or if the UST was installed before May 1, 1988.)*

- Calculate back fees from May 1, 1988 (OAR 340-150-0110).

*(Use the following bullet when the date of original UST installation is known insert the date in the blank.)*

- Calculate back fees from the installation date of \_\_\_\_\_

*(Change the word "Agency" below to the actual owner of the tank when ODOT is not the property owner.)*

- 20 Calendar Days after finishing tank decommission work, DEQ's "Underground Storage Tank Decommissioning Checklist and Site Assessment Report". The Agency will sign the form as the "Property Owner" and "Permittee".
- Prepare and submit to DEQ, with copies to the Engineer, the following DEQ forms within the DEQ timelines:
  - The Agency signed "General Permit Registration Form to Decommission Existing Unregistered Tanks and 30-Day Notice of Intent to Decommission USTs" (30 Days - OAR 340-150-0110).
  - The Agency signed "Underground Storage Tank Decommissioning Checklist and Site Assessment Report" (30 Days - OAR 340-150-168 and OAR 340-150-0180).

*(Use the following bullet when tanks do not contain petroleum substances.)*

- For tanks that do not contain petroleum substances, a site assessment plan (OAR 340-150-0180).
- When contaminated soil is encountered:

- The "Initial (Twenty Day) Report Form for UST Cleanup Projects" (20 Days - OAR 340-122-0225).
- The "Initial Site Characterization Report" (45 Days - OAR-340-122-0230 and OAR 340-122-0235).
- Prepare and submit to the Engineer the following, within 48 hours of receipt or completion:
  - Copies of all signed and completed manifests and bill-of-lading forms for transporting the UST contents.
  - Photographs taken of each UST during excavation and removal.
  - All reuse, recycled, and disposal receipts for the UST and UST contents.

*(Use this subsection .04 when decommissioning heating oil tanks.)*

**00293.04 Submittals for Heating Oil Tanks** - The following documentation is required:

- Prepare and submit to DEQ, with copies to the Engineer, the following DEQ forms within the DEQ timelines:
  - 30 Calendar Days after finishing decommission work, DEQ's "Certified HOT Decommissioning Report, signed by the licensed Contractor" with it's associated documentation. Pay all filing and decommissioning fees.(OAR 340-177-0025 and OAR 340-177-0095)
  - When contaminated soil is encountered:
    - The "Initial (Twenty Day) Report Form for UST Cleanup Projects" (20 Days - OAR 340-122-0225).
    - The "Initial Site Characterization Report" (45 Days - OAR 340-177-0055, OAR 340-122-0230 and OAR 340-122-0235).
- Prepare and submit to the Engineer the following, within 48 hours of receipt or completion:
  - Copies of all signed and completed manifests and bill-of-lading forms for transporting the UST contents.
  - Photographs taken of each UST during excavation and removal.
  - All reuse, recycled, and disposal receipts for the UST and UST contents.

### **Labor**

**00293.30 Personnel Qualifications** - For all tank decommissioning work, provide contractors and supervisors meeting the following requirements:

- For Regulated-UST decommission work a contractor that has a current UST service providers license and a supervisor that has a current DEQ Underground Storage Tank Services Decommissioning License.
- For HOT decommission work a contractor and a supervisor that have current DEQ Underground Storage Tank Services Licenses for heating oil tank services.

### **Construction**

*(Use this subsection .40 when decommissioning regulated underground storage tanks by the removal method.)*

**00293.40 Regulated Underground Storage Tank Decommission by Removal** - Decommission regulated underground storage tanks according to the following:

- Notify the Engineer and DEQ at least 3 Days before beginning decommission work (OAR 340-150-0168).
- Remove the Regulated-UST according to OAR 340-150-0168 and 40 CFR 280.71.
- Clean and recycle the Regulated-UST.
- Recycle or re-use the Regulated-UST contents.
- Complete and sign all manifests, permits, and bill-of-lading forms for recycling or disposing of the tank and tank contents.
- Collect soil and groundwater samples according to OAR 34-150-0180 and have an Oregon Environmental Laboratory Accreditation Program accredited analytical laboratory test and provide the results in time to complete the required DEQ "Underground Storage Tank Decommissioning Checklist and Site Assessment Report".
- Remove free petroleum product entering the excavation, according to OAR 340-122-0235, before backfilling the excavation. Recycle or dispose of the free petroleum product at a facility permitted to accept petroleum contaminated water.
- When clean or contaminated groundwater or contaminated soil is encountered, notify the Engineer within a time frame to meet DEQ's 24 hour initial notification requirement. The Engineer will either require the Contractor to notify DEQ or will have the Agency notify DEQ.

*(Use the following bullet when contaminated soil will need to be removed to facility construction of the project. Fill in the blank.)*

- Remove up to \_\_\_\_\_ tons of contaminated soil to facilitate construction of the Project.
- Backfill the excavation according to 00330.42.
- Perform all contaminated media work according to Section 00294.

*(Use this subsection .41 when decommissioning regulated underground storage tanks by the filling in place method.)*

**00293.41 Regulated Underground Storage Tank Decommission by Filling in Place** - Decommission regulated underground storage tanks according to the following:

- Notify the Engineer and DEQ at least 3 Days before beginning decommission work (OAR 340-150-0168).
- Clean out the Regulated-UST according to OAR 340-150-0168 and 40 CFR 280.71 and fill it with a compactable inert material that does not react with the tank or it's previous contents.
- Complete and sign all manifests, permits, and bill-of-lading forms for recycling or disposing of the tank contents.

- Collect soil and groundwater samples according to OAR 340-150-0180 and have an Oregon Environmental Laboratory Accreditation Program accredited analytical laboratory test and provide the results in time to complete the required DEQ "Underground Storage Tank Decommissioning Checklist and Site Assessment Report".
- When contaminated soil is encountered, notify the Engineer of the contaminated soil within a time frame to meet DEQ's 24 hour initial notification requirement. The Engineer will either require the Contractor to notify DEQ or will have the Agency notify DEQ.

*(Use this subsection .42 when decommissioning heating oil tanks by the removal method.)*

**00293.42 Heating Oil Tank Decommission by Removal** - Decommission heating oil tanks according to the following:

- Remove the HOT according to OAR 340-177-0025 and 40 CFR 280.71.
- Clean and recycle the HOT.
- Recycle or re-use the HOT contents.
- Complete and sign all manifests, permits, and bill-of-lading forms for recycling or disposing of the tank and tank contents.
- Collect soil and groundwater samples according to OAR 340-177-0025 and have an Oregon Environmental Laboratory Accreditation Program accredited analytical laboratory test and provide the results in time to complete the required DEQ "Certified HOT Decommissioning Report".
- Remove free petroleum product entering the excavation according to OAR 340-122-0235 before backfilling the excavation. Recycle or dispose of the free petroleum product at a facility permitted to accept petroleum contaminated water.
- When contaminated soil is encountered, notify the Engineer of the contamination within a time frame to meet DEQ's 24 hour initial notification requirement. The Engineer will either require the Contractor to notify DEQ or will have the Agency notify DEQ.

*(Use the following bullet when contaminated soil will need to be removed to facility construction of the project. Fill in the blank.)*

- Remove up to \_\_\_\_\_ tons of contaminated soil to facilitate construction of the Project.
- Backfill the excavation according to 00330.42.
- Perform all contaminated media work according to Section 00294.

*(Use this subsection .43 when decommissioning heating oil tanks by the filling in place method.)*

**00293.43 Heating Oil Tank Decommission by Filling in Place** - Decommission heating oil tanks according to the following:

- Clean out the HOT according to OAR 340-177-0025 and 40 CFR 280.71 and fill them with inert material according to OAR 340-177-0025.

- Complete and sign all manifests, permits, and bill-of-lading forms for recycling or disposing of the tank contents.
- Collect soil and groundwater samples according to OAR 340-177-0025 and have an Oregon Environmental Laboratory Accreditation Program accredited analytical laboratory test and provide the results in time to complete the required DEQ "Certified HOT Decommissioning Report".
- When contaminated soil is encountered, notify the Engineer of the contaminated soil within a time frame to meet DEQ's 24 hour initial notification requirements. The Engineer will either require the Contractor to notify DEQ or will have the Agency notify DEQ.

**00293.44 Excavating, Transporting, and Disposing of Contaminated Media -** Excavate, transport, and dispose of contaminated media according to Section 00294.

**Measurement**

**00293.80 Measurement** - The quantities of work performed under this Section will be measured on the unit basis.

Excavating, transporting, and disposing of contaminated media will be measured according to 00294.80.

**Payment**

**00293.90 Payment** - The accepted quantities of work performed under this Section will be paid for at the Contract unit price, per unit of measurement, for the following items:

*(Delete the bid item that does not apply. Re-alphabetize (b) to (a) when only HOT's are required. Remove the "(s)" in "items" above when only one bid item is used.)*

- (a) Decommission Regulated Underground Storage Tanks..... Each
- (b) Decommission Heating Oil Tanks ..... Each

Payment will be payment in full for furnishing and placing all materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.

Excavating, transporting, and disposing of contaminated media will be paid for according to 00294.90.