



Tank and Pipe Installation Supplement C

Your application is not complete until **all** requested information is submitted. Please complete every item on this supplement to avoid delays in processing your request.

In addition to this form, please submit:

- Completed Permit Application for Underground Storage Tanks—Major Installation
- Permit fees
- Environmental Assessment Questionnaire (if required)
- Corrosion Protection Design Report (if required)

Check appropriate boxes for proposed installation

Tank #	THIS LINE FOR OFFICE USE ONLY			
Tank Capacity (gallons)				
Substance Stored				
Tank Configuration	<input type="checkbox"/> Underground <input type="checkbox"/> Aboveground (with underground piping)	<input type="checkbox"/> Underground <input type="checkbox"/> Aboveground (with underground piping)	<input type="checkbox"/> Underground <input type="checkbox"/> Aboveground (with underground piping)	<input type="checkbox"/> Underground <input type="checkbox"/> Aboveground (with underground piping)
Tank Usage	<input type="checkbox"/> Emergency Generator <input type="checkbox"/> Heating Oil <input type="checkbox"/> Gasoline Retail <input type="checkbox"/> Other _____	<input type="checkbox"/> Emergency Generator <input type="checkbox"/> Heating Oil <input type="checkbox"/> Gasoline Retail <input type="checkbox"/> Other _____	<input type="checkbox"/> Emergency Generator <input type="checkbox"/> Heating Oil <input type="checkbox"/> Gasoline Retail <input type="checkbox"/> Other _____	<input type="checkbox"/> Emergency Generator <input type="checkbox"/> Heating Oil <input type="checkbox"/> Gasoline Retail <input type="checkbox"/> Other _____
Tank Material	<input type="checkbox"/> StiP3 <input type="checkbox"/> FRP <input type="checkbox"/> Clad <input type="checkbox"/> Other _____	<input type="checkbox"/> StiP3 <input type="checkbox"/> FRP <input type="checkbox"/> Clad <input type="checkbox"/> Other _____	<input type="checkbox"/> StiP3 <input type="checkbox"/> FRP <input type="checkbox"/> Clad <input type="checkbox"/> Other _____	<input type="checkbox"/> StiP3 <input type="checkbox"/> FRP <input type="checkbox"/> Clad <input type="checkbox"/> Other _____
Tank Construction	<input type="checkbox"/> Double-walled <input type="checkbox"/> Multi-Compartment <input type="checkbox"/> Other _____	<input type="checkbox"/> Double-walled <input type="checkbox"/> Multi-Compartment <input type="checkbox"/> Other _____	<input type="checkbox"/> Double-walled <input type="checkbox"/> Multi-compartment <input type="checkbox"/> Other _____	<input type="checkbox"/> Double-walled <input type="checkbox"/> Multi-compartment <input type="checkbox"/> Other _____
Tank Manufacturer				
Tank Leak Detection	<input type="checkbox"/> GW Monitoring <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Interstitial <input type="checkbox"/> ATG <input type="checkbox"/> Other _____	<input type="checkbox"/> GW Monitoring <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Interstitial <input type="checkbox"/> ATG <input type="checkbox"/> Other _____	<input type="checkbox"/> GW Monitoring <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Interstitial <input type="checkbox"/> ATG <input type="checkbox"/> Other _____	<input type="checkbox"/> GW Monitoring <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Interstitial <input type="checkbox"/> ATG <input type="checkbox"/> Other _____
Tank Corrosion Protection	<input type="checkbox"/> Galvanic <input type="checkbox"/> Impressed Current <input type="checkbox"/> Non-corrodible	<input type="checkbox"/> Galvanic <input type="checkbox"/> Impressed Current <input type="checkbox"/> Non-corrodible	<input type="checkbox"/> Galvanic <input type="checkbox"/> Impressed Current <input type="checkbox"/> Non-corrodible	<input type="checkbox"/> Galvanic <input type="checkbox"/> Impressed Current <input type="checkbox"/> Non-corrodible
Spill Prevention	<input type="checkbox"/> Spill bucket <input type="checkbox"/> Other _____	<input type="checkbox"/> Spill bucket <input type="checkbox"/> Other _____	<input type="checkbox"/> Spill bucket <input type="checkbox"/> Other _____	<input type="checkbox"/> Spill bucket <input type="checkbox"/> Other _____
Overfill Prevention (indicate all)	<input type="checkbox"/> Ball Float <input type="checkbox"/> Audible Alarm <input type="checkbox"/> Positive Shutoff <input type="checkbox"/> Other _____	<input type="checkbox"/> Ball Float <input type="checkbox"/> Audible Alarm <input type="checkbox"/> Positive Shutoff <input type="checkbox"/> Other _____	<input type="checkbox"/> Ball Float <input type="checkbox"/> Audible Alarm <input type="checkbox"/> Positive Shutoff <input type="checkbox"/> Other _____	<input type="checkbox"/> Ball Float <input type="checkbox"/> Audible Alarm <input type="checkbox"/> Positive Shutoff <input type="checkbox"/> Other _____
Product Pipe Material	<input type="checkbox"/> Flexible <input type="checkbox"/> FRP <input type="checkbox"/> Steel with CP <input type="checkbox"/> Other _____	<input type="checkbox"/> Flexible <input type="checkbox"/> FRP <input type="checkbox"/> Steel with CP <input type="checkbox"/> Other _____	<input type="checkbox"/> Flexible <input type="checkbox"/> FRP <input type="checkbox"/> Steel with CP <input type="checkbox"/> Other _____	<input type="checkbox"/> Flexible <input type="checkbox"/> FRP <input type="checkbox"/> Steel with CP <input type="checkbox"/> Other _____
Product Pipe Construction	<input type="checkbox"/> Double-walled <input type="checkbox"/> Single-walled <input type="checkbox"/> Other _____	<input type="checkbox"/> Double-walled <input type="checkbox"/> Single-walled <input type="checkbox"/> Other _____	<input type="checkbox"/> Double-walled <input type="checkbox"/> Single-walled <input type="checkbox"/> Other _____	<input type="checkbox"/> Double-walled <input type="checkbox"/> Single-walled <input type="checkbox"/> Other _____
Pipe Manufacturer				

Type of Pipe	<input type="checkbox"/> Gravity <input type="checkbox"/> Pressurized <input type="checkbox"/> Safe Suction <input type="checkbox"/> U.S. Suction	<input type="checkbox"/> Gravity <input type="checkbox"/> Pressurized <input type="checkbox"/> Safe Suction <input type="checkbox"/> U.S. Suction	<input type="checkbox"/> Gravity <input type="checkbox"/> Pressurized <input type="checkbox"/> Safe Suction <input type="checkbox"/> U.S. Suction	<input type="checkbox"/> Gravity <input type="checkbox"/> Pressurized <input type="checkbox"/> Safe Suction <input type="checkbox"/> U.S. Suction
Pipe Leak Detection	<input type="checkbox"/> Interstitial Monitoring <input type="checkbox"/> Continuous <input type="checkbox"/> Manual <input type="checkbox"/> Safe Suction (self-testing) <input type="checkbox"/> Tightness Test <input type="checkbox"/> Leak Detector <input type="checkbox"/> GW Monitoring <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Other _____	<input type="checkbox"/> Interstitial Monitoring <input type="checkbox"/> Continuous <input type="checkbox"/> Manual <input type="checkbox"/> Safe Suction (self-testing) <input type="checkbox"/> Tightness Test <input type="checkbox"/> Leak Detector <input type="checkbox"/> GW Monitoring <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Other _____	<input type="checkbox"/> Interstitial Monitoring <input type="checkbox"/> Continuous <input type="checkbox"/> Manual <input type="checkbox"/> Safe Suction (self-testing) <input type="checkbox"/> Tightness Test <input type="checkbox"/> Leak Detector <input type="checkbox"/> GW Monitoring <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Other _____	<input type="checkbox"/> Interstitial Monitoring <input type="checkbox"/> Continuous <input type="checkbox"/> Manual <input type="checkbox"/> Safe Suction (self-testing) <input type="checkbox"/> Tightness Test <input type="checkbox"/> Leak Detector <input type="checkbox"/> GW Monitoring <input type="checkbox"/> Vapor Monitoring <input type="checkbox"/> Other _____
Pipe Corrosion Protection	<input type="checkbox"/> Galvanic <input type="checkbox"/> Impressed Current <input type="checkbox"/> Non-corrodible	<input type="checkbox"/> Galvanic <input type="checkbox"/> Impressed Current <input type="checkbox"/> Non-corrodible	<input type="checkbox"/> Galvanic <input type="checkbox"/> Impressed Current <input type="checkbox"/> Non-corrodible	<input type="checkbox"/> Galvanic <input type="checkbox"/> Impressed Current <input type="checkbox"/> Non-corrodible
Vent Pipe Material	<input type="checkbox"/> Flexible <input type="checkbox"/> FRP <input type="checkbox"/> Steel with CP <input type="checkbox"/> Other _____	<input type="checkbox"/> Flexible <input type="checkbox"/> FRP <input type="checkbox"/> Steel with CP <input type="checkbox"/> Other _____	<input type="checkbox"/> Flexible <input type="checkbox"/> FRP <input type="checkbox"/> Steel with CP <input type="checkbox"/> Other _____	<input type="checkbox"/> Flexible <input type="checkbox"/> FRP <input type="checkbox"/> Steel with CP <input type="checkbox"/> Other _____
Sump/Dispenser Containment Manufacturer and Make/Models				

Yes No If this is not a new or replacement piping installation, **are dispensers being replaced, OR significant modifications made to the concrete at the dispenser island OR is product piping repaired or replaced at an associated dispenser island as part of this permit application?**

Yes No If yes to the above question, have you shown location of under dispenser containment that must include interstitial monitoring on site plan (may be manual or continuous interstitial monitoring)?

Design Checklist for proposed installation:

Yes Is 50% or more length of an existing piping run being replaced as part of this permit request?
NOTE: If yes, then entire length of product piping must be replaced with secondarily contained piping, liquid tight sumps at each piping end and employ Continuous Interstitial Monitoring.

Describe all in-tank leak detection equipment
 ATG make/model _____ Probe Series _____
How is the ATG programmed? (indicate all)
 0.1 gph static test 0.2 gph static test 0.2 gph monthly CITLDS
 Programmed test interval _____

Describe all tank interstitial leak detection equipment
 LD panel make/model _____ Sensor series _____

Describe all pressurized line leak detection equipment
 LD panel make/model _____ Sensor series _____

Length of each pipe run protected by line leak detector for each tank system

How is the LD panel programmed? (indicate all)
 0.1 gph annual test 0.2 gph monthly test 3 gph continuous test
 Sound a continuous alarm De-energize the turbine Autodialer

Make and model of all interstitial piping leak equipment (sensor make and model)

How do the liquid sensors stop the flow of fuel in the event of a leak?

Sound a continuous alarm De-energize the turbine
 Close a solenoid at the tank top Autodialer

Include float out calculation report (to PEI/RP 100 or manufacturer's specifications) and description of tank hold-down method. Include corrosion protection (if required) of any metal components.

- Corrosion protection method for each metal component that will be in contact with the ground _____

- Make and model of any other equipment to be installed _____

- Length of each new vent piping run _____
- For connections to existing pipe, also describe:
 - Type of existing pipe and method of connections _____

 - Total length of each new product piping run _____
 - Make and model of existing line leak detection equipment to be replaced _____

- Describe the project—what are you planning to do? (attach additional sheets if necessary). Include any special design issues and any information not included above.

Site Plan to include the following elements at a minimum:

- Facility name Scale or dimensions North arrow
- Major site features Direction of ground slope
- Adjacent water wells, public sewers, streams or bodies of water within 100 feet of installation
- Dimensioned or scaled distances between property lines, buildings, tanks and proposed UST system(s)

For each **existing** UST system, locate the following elements by dimension or scaled in place:

- Tanks (AST and UST) Product pipe* Dispensers Vent(s)*
- Sump(s)*
- Any vapor or groundwater monitoring wells (including remediation wells)

* Show only if any existing UST component requires disassembly or relocation

For each **proposed** UST system, locate the following elements by dimension or scaled in place.

For Tank(s), show:

- Tank(s) All Tank Risers** All leak detection monitoring equipment**
- Vent piping Tank nest cross-section and tank anchoring details
- All corrosion protection equipment associated with tank(s)**
- Sump(s) at connection of product piping to tank

For Pipe(s), show:

- Product Pipe(s)
- Sump(s)
- All leak detection monitoring equipment**
- All corrosion protection equipment associated with pipe(s)**
- Line leak detector if not installed in STP housing**
- Flex connectors and method of corrosion protection**
- Dispenser(s)

- If connecting to existing pipe made by a different manufacturer, show connection location and detailed cross-section
 - For double-walled and/or suction pipe runs, show flow direction through the system and the location of sumps**
- If installing a suction system, also include:
- Check valves**
 - Solenoid valves**
 - Product pipe cross-sections indicating direction and slope**
- ** Show relative location only (do not dimension or scale)

Environmental Assessment:

- | | Yes | No |
|---|--------------------------|--------------------------|
| 1. Is the depth to groundwater less than 50 feet below ground surface? | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Is the distance to surface water less than 100 feet from the project boundary? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Is a domestic well located within 100 feet of the project boundary? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Is any portion of a public sewage system located less than 100 feet from the project boundary? | <input type="checkbox"/> | <input type="checkbox"/> |

If you answered yes to **any** of these questions, you must submit an Environmental Assessment Questionnaire with your permit application.