

**ADDENDUM 1 TO APPENDIX D of Secondary Containment Barrier Specification**  
**SECONDARY CONTAINMENT SYSTEM C.I. AGENT BARRIER BOOM**  
**SCOPE OF WORK**

**Purpose:** It is the purpose of this specification to obtain a prefabricated and complete C.I. Agent Barrier Boom to form a secondary containment system that is large enough to inhibit the horizontal migration of an spill from oil filled electrical equipment in order to comply with the “Spill Prevention, Control, and Countermeasure Plan – City of St. Charles Electric Utility, St. Charles, Illinois.”

**Scope of Work:** Designing, furnishing and installing a prefabricated and complete C.I. Agent Barrier Boom and accessory materials including excavation of soil materials to form a secondary containment system installed along the southern portion of the property to prevent an oil release to the nearby creek. The secondary containment system shall be designed to inhibit the horizontal migration of a maximum release of 3,820 gallons (volume of largest container minus the gravel holding capacity, see Calculations on last page of Appendix D).

**Work Site:** The work will be performed at Electric Substation-7, 1000 Dunham Road in St. Charles, Illinois. Access to the property is available from Dunham Road, along the west side of the property. The property consists of a control building, three transformers (7T1, 7T2, and 7T3), and other common components of a substation. Transformers 7T1, 7T2, and 7T3 contain 4,500 gallons of oil, 4,765 gallons of oil, and 3,900 gallons of oil, respectively. Transformer 7T3 has an oil retention pit with a capacity of 4,300 gallons. The property is topographically down-gradient to the northeast; though the slope is relatively small. Gravel has been laid down over a majority of the property’s surface. The nearest water body is a retention pond, along the eastern border of the property.

**Work:** The actual location of the barrier at Substation 7 has not yet been decided. Final decision will depend on the cost and complexity of each of the following two options. Contractor is to provide pricing for each option but only one will be constructed.

~~Option A-~~ Option B

Place Barrier Boom with 3,820 gallon capacity along north eastern border of property as shown in the pdf document entitled Sub 7 – Barrier Boom A. The boom is to be installed down to the clay with special care taken to preserve the substation ground grid or to notify the electric utility if the ground grid is disturbed. The barrier is to be covered with gravel and is to have a small berm to indicate its location. In addition Barrier Boom is to be constructed in such a manner that allows truck traffic to the gate on the north east corner of the substation.

~~Option B-~~ Option A

Place Barrier Boom with 3,820 gallon capacity in a rectangular shaped area around 7T1 and 7T2 as shown in the pdf document entitled Sub 7 – Barrier Boom B. The boom is to be installed down to the clay with special care taken to preserve the substation ground grid or to notify the electric utility if the ground grid is disturbed. The barrier is to be covered with gravel and is to have a small berm to indicate its location. Although