


**MEMORANDUM 2020**

**TO:** Underground Storage Tank (UST) System Owners  
**FROM:** Underground Storage Tank Program Manager   
Division of Waste Management  
**SUBJECT:** Leak Detection, Corrosion Protection (CP) Compliance and Operator Training for **2019**  
– Regulatory Requirement  
**DATE:** Tuesday, January 21, 2020

North Dakota state law (NDAC Article 33.1-24) requires UST owners to perform a monthly method of leak detection on all of their underground storage tanks and piping. Also, UST owners are required to routinely test the CP system on their steel tanks and piping. In order for the North Dakota Department of Environmental Quality (NDDEQ) to monitor compliance with leak detection and CP requirements, you are **required** to submit **2019** leak detection and CP test documentation for your tank system(s). Additionally, all facilities are required to have trained operators onsite when the facility is in operation. Please review the last page of the Certification of Compliance (COC) form for trained class A and B operators at your facility.

The COC form can be reviewed, completed and submitted online at <https://secure.apps.nd.gov/doh/operator/default.aspx>. If you are receiving a hard copy of this memorandum and COC form, the completed COC form, leak detection, and CP documentation need to be mailed to:

North Dakota Department of  
Environmental Quality  
Division of Waste Management  
UST Program  
918 East Divide Ave, 3<sup>rd</sup> Fl  
Bismarck, ND 58501-1947

**New UST Regulations effective as of April 1, 2018:**

New regulations effective as of April 1, 2018, require new testing requirements, including annual leak detection equipment testing and 3-year spill bucket, overfill, sump and under dispenser containment (UDC) testing. Additionally, all operators will need to retake the operator training at <https://secure.apps.nd.gov/doh/operator/default.aspx>. Documents at <https://deq.nd.gov/WM/Publications.aspx> explain the new regulations: "Implementation Time Frames For North Dakota 2018 Underground Storage Tank Requirements" and "Periodic Inspection And Testing Time Frames For North Dakota 2018 Underground Storage Tank Requirements"

The documents (this must include the COC form) can also be emailed in pdf format to [ndust@nd.gov](mailto:ndust@nd.gov)

**The information must be submitted to the Department by March 1, 2020**

Failure to comply with the State and Federal UST Rules/Regulations can result in penalties with significant fines. UST owners and operators must be in compliance with the State UST Rules to qualify for reimbursement from the North Dakota Petroleum Tank Release Compensation Fund in the event of a leak.

If you have questions on CP and leak detection or you need forms for recording the leak detection test results, please contact the Underground Storage Tank Program at [ndust@nd.gov](mailto:ndust@nd.gov) or telephone 701-328-5166.

Thank you for your cooperation.

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**DIRECTIONS:** Review and correct, if necessary, the online (or for hard copies, enclosed) **2019** UST Certification of Compliance Form. Determine the type of leak detection and corrosion protection (CP) documentation you will need for your underground storage tanks and piping from the list below. Complete online webform and upload or sign and send the form along with the leak detection and CP documentation to the North Dakota Department of Environmental Quality. If the Operator Training information needs to be corrected, the operator needs to log in to this website to make the corrections:  
<https://secure.apps.nd.gov/doh/operator/default.aspx>.

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### **CORROSION PROTECTION DOCUMENTATION**

UST owners are required to routinely test (once every 3 years) the CP system on their steel tanks and piping. In order for the Department to monitor compliance with CP requirements, you are **required** to submit CP test documentation for your tank system. *NOTE: The required CP documentation is a copy of the CP test results for your tank and/or piping system (Sacrificial Anodes or Impressed Current test results).*

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### **LEAK DETECTION DOCUMENTATION**

In order for the Department to monitor compliance with leak detection, you are **required** to submit leak detection documentation for your tank system. *NOTE: The required leak detection documentation is printed in italics.*

#### **LEAK DETECTION – PIPING**

**Automatic Line Leak Detector (For Pressurized Piping)** – *The manufacturer and model number of your automatic line leak detector; for electronic systems, including continuous sump sensors, a copy of last 30-days' record of operational status. All pressurized piping systems must have automatic line leak detectors. An automatic line leak detector can be a mechanical detector, an electronic detector, or a continuous sump sensor. Pressurized piping must also be tightness tested every year or use one of the forms of permanent leak detection listed below.*

**Piping Tightness Testing** – *A copy of the latest piping tightness test results. Single-walled and certain types of double-walled pressurized piping systems must be tightness tested every year, unless tested by electronic line leak detectors on a 30-day basis. Most types of suction piping with a check valve at the tank must be tightness tested every three years. Suction piping with a check valve at the dispenser DOES NOT require a tightness test.*

#### **LEAK DETECTION – TANKS AND PIPING**

**Manual Tank Gauging (For Tanks Only – Weekly Tank Gauging)** – *A copy of the last four weekly manual tank gauging tests. Manual tank gauging can only be used on tanks with capacities up to 1000 gallons.*

**Automatic Tank Gauging (For Tanks Only)** – *A copy of the last 30-days' system test printout strip showing the tanks passed in the test mode.*

**Groundwater Monitoring** – *A copy of the last 30-days' records showing that the groundwater monitoring wells were checked for evidence of petroleum in/on the groundwater. The records must include the date the wells were checked, the method used to check the groundwater, and the results.*

**Vapor Monitoring** – *A copy of the last 30-days' records showing that the vapor monitoring wells were checked for petroleum fumes in the soil. The records must include the date the wells were checked, the method used to monitor the vapors in the wells, and the results.*

**Interstitial Monitoring (Double-Walled Tanks and Piping)** – *A copy of records showing that the interstice of the double-walled tank and/or piping was checked for a leak. The records must include the method used to check the interstice, the results of the check, and the date checked. The interstice is the space between the walls of a double-walled tank or piping.*

**Statistical Inventory Reconciliation (SIR)** – *A copy of the last 30-days' reconciliation results at the 0.2 gph leak rate or the latest test results when used as a tank tightness test at the 0.1 gph leak rate.*