

15A NCAC 02N .0405 REPORTING AND RECORDKEEPING

(a) The regulations governing "Reporting and recordkeeping" set forth in 40 CFR 280.34 are hereby incorporated by reference, excluding any subsequent amendments and editions.

(b) Owners and operators shall submit to the Division, within 30 days following completion, results of the site investigation conducted:

- (1) at permanent closure or change-in-service. The results of the site investigation for permanent closure or change-in-service shall be reported in a format that includes the following:
 - (A) site location information;
 - (B) identification and contact information for the owner, operator, property owner, consultant, contractor, and analytical laboratory;
 - (C) the same information provided in Appendix I to 40 CFR Part 280, Section X;
 - (D) information about any release discovered, including discovery date, estimated quantity of petroleum or hazardous substance released, and the cause and source;
 - (E) information about any previous releases at the site, including owner or operator at the time of the release, source, cause, and location relative to the current release;
 - (F) description of site characteristics, such as use of the site and surrounding area, drinking water supplies, presence and location of water supply wells and surface water, depth to and nature of bedrock, depth to groundwater, and direction of groundwater flow;
 - (G) date of permanent closure or change-in-service of an UST system and last contents stored;
 - (H) procedures and methods used to clean an UST system prior to permanent closure or change-in-service;
 - (I) procedures and methods used to permanently close an UST system;
 - (J) description of condition of tank, piping, and dispenser;
 - (K) documentation of disposal of tank and its contents;
 - (L) description of condition of excavation, volume of soil excavation, soil type encountered, type and source of backfill used, and any groundwater, free product, or bedrock encountered in the excavation;
 - (M) method of temporary storage, sampling, and treatment or disposal of excavated soil;
 - (N) procedures and methods used for sample collection, field screening, and laboratory analysis;
 - (O) quality assurance and quality control procedures and methods for decontamination of field and sampling equipment and for sample handling, preservation, and transportation;
 - (P) field screening results and analytical results for samples collected, comparison of analytical results to standards set forth in 15A NCAC 02L, and the presence and quantity of any free product; and
 - (Q) maps and figures showing the site and surrounding topography, current and former UST system locations, surface water, water supply wells, monitoring wells, types and locations of samples, analytical results for samples, ground water flow direction, geologic boring logs, and monitoring well construction specifications; or
- (2) to ensure compliance with the requirements for installation of vapor monitoring and groundwater monitoring devices, as specified in 40 CFR 280.43(e)(1) through (e)(4) and 280.43(f)(1) through (f)(5), respectively. The site investigation shall be conducted in accordance with Rule .0504 of this Subchapter.

(c) Owners shall submit to the Division, on forms provided by the Division and within 30 days following completion:

- (1) A description of the upgrading of any UST system conducted in accordance with requirements of 40 CFR 280.21. The description of upgrading shall be provided on form "UST-8 Notification of Activities Involving Underground Storage Tank Systems," which is set forth in Rule .0303(1)(b) of this Section;
- (2) Certification of the proper operation of a corrosion protection system upon completion of testing in compliance with 40 CFR 280.31; and
 - (A) Certification of proper operation and testing of a galvanic corrosion protection system shall be provided on form "UST-7A Cathodic Protection System Evaluation for Galvanic (Sacrificial Anode) Systems," which may be accessed free of charge at <http://deq.nc.gov/about/divisions/waste-management/underground-storage-tanks->

section/forms. Form "UST-7A Cathodic Protection System Evaluation for Galvanic (Sacrificial Anode) Systems" shall include:

- (i) owner identification and contact information;
- (ii) site location information;
- (iii) reason that a corrosion protection system was evaluated, including a routine test within six months of corrosion protection system installation, a routine test every three years following corrosion protection system installation, or a test following a repair or modification;
- (iv) corrosion protection tester's name, contact information, corrosion protection tester certification number, certifying organization, and certification type;
- (v) corrosion protection tester's evaluation, including pass, fail, or inconclusive;
- (vi) corrosion expert's name, address, contact information, National Association of Corrosion Engineers International Institute certification number, and certification type or Professional Engineer number, state, and specialty;
- (vii) corrosion expert's evaluation, including pass or fail;
- (viii) criteria for evaluation, including 850 millivolt on, 850 millivolt instant off, or 100 millivolt polarization;
- (ix) action required as a result of the evaluation, including none, or repair and retest;
- (x) description of UST system, including tank identity, product stored, tank capacity, tank and piping construction material, and presence of metal flexible connectors;
- (xi) description of any repair or modification made to the corrosion protection system;
- (xii) site drawing, including the UST systems, on-site buildings, adjacent streets, anodes and wires, reference electrode placement, and test stations;
- (xiii) corrosion protection continuity survey, including location of fixed remote reference electrode placement, structures evaluated using fixed remote instant-off voltages or point-to-point voltage differences, and if structures are continuous or isolated; and
- (xiv) corrosion protection system survey, including locations of remote reference electrode, structure evaluated, structure contact point, local reference cell placement, local voltage, remote voltage, and if tested structure passed, failed, or was inconclusive relative to the criteria for evaluation.

(B) Certification of proper operation and testing of an impressed current corrosion protection system shall be provided on form "UST-7B Cathodic Protection System Evaluation for Impressed Current Systems," which may be accessed free of charge at <http://deq.nc.gov/about/divisions/waste-management/underground-storage-tanks-section/forms>. Form "UST-7B Cathodic Protection System Evaluation for Impressed Current Systems" shall include:

- (i) owner identification and contact information;
- (ii) site location information;
- (iii) reason that a corrosion protection system was evaluated, including a routine test within six months of corrosion protection system installation, a routine test every three years following corrosion protection system installation, or a test following a repair or modification;
- (iv) corrosion protection tester's name, contact information, corrosion protection tester certification number, certifying organization, and certification type;
- (v) corrosion protection tester's evaluation, including pass, fail, or inconclusive;
- (vi) corrosion expert's name, address, contact information, National Association of Corrosion Engineers International Institute certification number, and certification type or Professional Engineer number, state, and specialty;
- (vii) corrosion expert's evaluation, including pass or fail;
- (viii) criteria for evaluation, including 850 millivolt instant off or 100 millivolt polarization;
- (ix) action required as a result of the evaluation, including none or repair and retest;

- (x) description of UST system, including tank identity, product stored, tank capacity, tank and piping construction material, and presence of metal flexible connectors;
 - (xi) impressed current rectifier data, including rectifier manufacturer, model, serial number, rated DC output, shunt size, shunt factor, hour meter, tap settings, DC output (gauge), and DC output (multimeter);
 - (xii) impressed current positive and negative circuit measurements;
 - (xiii) description of any repair or modifications made to the corrosion protection system;
 - (xiv) site drawing, including the UST systems, on-site buildings, adjacent streets, anodes and wires, reference electrode placement, and test stations;
 - (xv) corrosion protection continuity survey, including location of fixed remote reference electrode placement, structures evaluated using fixed remote instant-off voltages or point-to-point voltage differences, and if structures are continuous or isolated; and
 - (xvi) corrosion protection system survey, including structure evaluated, structure contact point, reference cell placement, on voltage, instant off voltage, 100 millivolt polarization ending voltage and voltage change, and if the tested structure passed or failed relative to the criteria for evaluation.
- (3) Certification of compliance with the requirements for leak detection specified in 40 CFR 280.40, 40 CFR 280.41, 40 CFR 280.42, 40 CFR 280.43, and 40 CFR 280.44. The certification shall specify the leak detection method and date of compliance for each UST. The certification of compliance with leak detection requirements shall be provided on form "UST-8 Notification of Activities Involving Underground Storage Tank Systems," which is set forth in Rule .0303(1)(b) of this Subchapter.

*History Note: Authority G.S. 143-215.3(a)(15); 143B-282(a)(2)(h);
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