



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
Remediation and Redevelopment Division

CLOSURE REPORT TABLE OF CONTENTS FORM

INSTRUCTIONS

Utilize the following Table of Contents (TOC) to ensure that all information required by Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, is provided in the Closure Report. RBCA is defined in Part 213 as the ASTM standards E 1739-95 (2010), E 2081-00 (2010), and E 2531-06. Information in these standards must be provided, as applicable per site conditions. The Department of Environment, Great Lakes, and Energy (EGLE) may request supporting documentation to the data and conclusions of the Closure Report, which may include information in the ASTM standards referenced above.

Complete the Closure Report cover sheet and pages 1 through 2 of the TOC. The order and format in which the information is provided is at the submitter's discretion. Each page of the report, including appendices, should be consecutively numbered. The column labeled as "Page(s)" should be completed with the range of page numbers for each section. You may reference previously submitted material by specifying where the information is located within the referenced document. Submit the documentation identified in Section IV, as applicable, if IAR/FAR was not previously submitted or additional site characterization was performed following submittal of FAR.

CLOSURE REPORT TABLE OF CONTENTS (TOC) PAGE(s)

A. SUMMARY OF CORRECTIVE ACTION ACTIVITIES AND DOCUMENTATION OF THE BASIS FOR CONCLUDING THAT CORRECTIVE ACTIONS HAVE BEEN COMPLETED

1. Provide a summary of the current and completed corrective actions activities.
2. Identify Chemical(s) of Concern (CoC), their source location(s) and remaining maximum concentrations of CoC in soil and groundwater.
3. Summarize the Non-aqueous Phase Liquid (NAPL) remaining.
4. Identify human and environmental receptor locations that could be impacted (i.e., point(s) of exposure).
5. Identify any complete transport and exposure pathways (e.g., dissolved plume, vapor migration through soils, utilities, etc.).
6. Identify current or potential future use of the site and surrounding land, and of the groundwater, surface water, and sensitive habitats.
7. Provide a final Conceptual Site Model (CSM) / NAPL CSM.
8. Summarize and discuss the risk assessment and RBCA tier evaluation

A. SUMMARY OF CORRECTIVE ACTION ACTIVITIES AND DOCUMENTATION OF THE BASIS FOR CONCLUDING THAT CORRECTIVE ACTIONS HAVE BEEN COMPLETED (Continued)

Reference: Part 213 Section 21311a(a) and Section 21312a; ASTM E1739-95 (2010), Section 6.2, Section 6.11 through 6.11.19; and ASTM 2531-06, Section 6.3.

Conceptual Site Models/LCSMs: Part 213, Section 21309a(2)(a), Section 21311a.(1)(c)(ii), and Section 21312a; ASTM 2531-06, Sections 6 and 7; and ASTM E2081-00 (2010), Section 3.2.52

B. CLOSURE VERIFICATION SAMPLING RESULTS

1. Provide a summary of the analytical data and the appropriate RBSL or SSTL used.
2. Provide the following maps and figures:
 - a. A site map of the location.
 - b. An extended site map to include nearby parcels and their use, nearby groundwater supply wells, site plan view showing location of structures, ASTs, USTs, buried utilities and conduits, suspected/confirmed sources.
 - c. Map(s) and cross-sections of the remaining groundwater plume and impacted soil.
 - d. A groundwater elevation map, including a depiction of the groundwater flow direction (may reference the FAR if unchanged).
 - e. Map(s) and cross-sections depicting remaining 3-dimensional extent of NAPL.

Reference: Part 213, Section 21311a(a), and Section 21312a; ASTM E1739-95 (2010), Section 6.2, Section 6.11 thru 6.11.19; ASTM 2531-06, Section 6.3, and Section 6.7 thru 6.7.3

C. INSTITUTIONAL CONTROLS

1. Provide an explanation of land or resource use restrictions (i.e., Notice of Corrective Actions, Institutional Controls, Restrictive Covenants, Alternative Mechanisms, Notice of Land Use Restrictions), and how they will prevent or control unacceptable exposures. Provide a copy of the recorded instrument.
2. Provide a copy of the notice and proof of providing the notice to the public directly impacted by the release above a residential RBSL and the proposed corrective action.

C. INSTITUTIONAL CONTROLS (Continued)

Reference: Part 213, Section 21310a, and Section 21312a

D. APPLICABLE IAR/FAR DOCUMENTATION

1. If the IAR/FAR was not previously submitted or additional site characterization was performed following submittal of FAR, then refer to IAR/FAR Tables of Contents and include all relevant information that is not already provided in this closure report.

Reference: Site Description, Assessment and Evaluation: Part 213, Section 21311a(a), and Section 21312a; ASTM E1739-95(2010), Section 6.2, Section 6.5, Section 6.6, and Section 6.11 thru 6.11.19

Corrective Action Activities: Part 213, Section 21309a, Section 21311a(b), Section 21312a; ASTM E1739-95(2010), Section 6.2.2, Section 6.7 thru 6.7.3, Section 6.8 thru 6.8.3, and Section 6.6 thru 6.9.2

If you need this information in an alternate format, contact EGLE-Accessibility@Michigan.gov or call 800-662-9278.

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