

Fact Sheet

Intent to Reissue a Hazardous Waste Management Storage and Disposal in Surface Impoundments and Landfill Permit

Facility Name: Eastman Chemical Company, Tennessee Operations
Location: 100 North Eastman Road
Kingsport, Sullivan County, Tennessee 37660
Facility Owner: Eastman Chemical Company, Tennessee Operations
200 South Wilcox Drive
Kingsport, TN 37660
Facility Operator: Eastman Chemical Company, Tennessee Operations
200 South Wilcox Drive
Kingsport, TN 37660
Permit Type: Storage and Disposal
Unit Type: Surface Impoundments and Landfill
Facility Contact: Tracy Venett
Manager of Environmental Operations
Eastman Chemical Company, Tennessee Operations
P.O. Box 511
Kingsport, Tennessee 37662
tvenett@eastman.com
EPA ID Number: TND003376928
Existing Permit Number: TNHW-155
Comment Period: Begins: August 8, 2026
Ends: September 22, 2026

PURPOSE

This fact sheet is prepared pursuant to Tennessee Rule 0400-12-01-.07(7)(d) for the draft Hazardous Waste Storage and Disposal in Surface Impoundments and Landfill Permit developed by the Tennessee Department of Environment and Conservation (TDEC) Division of Land Protection (DLP). The purpose of this permitting process is to afford any interested person the opportunity to evaluate the ability of Eastman Chemical Company, Tennessee Operations (Eastman), to apply the hazardous waste management requirements. The proposal is for the permit to be issued under the authority of the Tennessee Hazardous Waste Management Act of 1977, as amended, Tennessee Code Annotated, Section 68-212-101 et seq., and Tennessee Rule Chapter 0400-12-01, Hazardous Waste Management. The draft permit is prepared in accordance with the provisions of Rule 0400-12-01-.07.

FACILITY DESCRIPTION

Eastman, a Resource Conservation Recovery Act (RCRA) permitted hazardous waste storage, treatment, and disposal facility, is located within the city limits of Kingsport, Tennessee in Sullivan County in northeastern Tennessee. The facility is a privately-owned manufacturer of chemicals and plastics. It is composed of manufacturing areas, service areas including power and steam generation, facility support and maintenance, industrial landfills, a wastewater treatment facility, and office buildings that provide administrative, engineering, research, sales, environmental, health, safety and security support services, etc. The facility is located along both banks of the South Fork Holston River (SFHR), which is the principal source of water in the area. The southern boundary of the facility borders the Big Sluice of the SFHR. The facility is drained by several piping systems, culverts, and ditches. Figure 1-1 is a map of the facility property boundary and immediate surrounding areas. It depicts the manufacturing areas as well as the permitted hazardous waste management units operating at this facility.

Eastman operates seven combustion units permitted for hazardous waste treatment authorized by Tennessee Hazardous Waste Management Permit TNHW-189, four permitted hazardous waste storage tanks and six permitted hazardous waste container storage units authorized by Tennessee Hazardous Waste Management Permit TNHW-185. Eastman owns and operates a Class II solid waste landfill facility, identified as Pactolus Landfill, registered under Tennessee Solid Waste Management Permit IDL 82-104-0049 for the disposal of non-hazardous industrial waste. These units are not addressed in this renewal.

Eastman operates an on-site industrial wastewater treatment facility for treatment of wastewater from its manufacturing and support operations. The wastewater treatment system uses an aggressive biological treatment process to treat wastewater to achieve compliance with a National Pollutant Discharge Elimination System (NPDES) discharge permit. Suspected off-quality effluent from the wastewater treatment system is stored in surface impoundments designated Hazardous Waste Treatment Unit Number 36 (HWTU-36) and Hazardous Waste Storage Unit Number 66 (HWSU-66) prior to further treatment. These surface impoundments, which were in existence on the date of enactment of the Hazardous and Solid Waste Amendments of 1984, contain wastewater during secondary or subsequent phases of an aggressive biological treatment facility subject to a permit issued under Section 402 of the Clean Water Act. Pursuant to Section 3005(j)(3), of RCRA, on October 28, 1987, the permittee was granted a retrofit variance for the eight (8) surface impoundments used for storage of suspected off-quality effluent from its wastewater treatment system. The eight (8) surface impoundments with a combined capacity of 130.3 million gallons are used for storage of suspected off-quality effluent from the wastewater treatment system.

The permittee operates a hazardous waste landfill, designated Hazardous Waste Disposal Unit Number 1 (HWDU-1). The landfill was constructed to comply with or exceed the minimum technology requirements of Rule 0400-12-01-.06(14)(b), in accordance with Hazardous Waste Management Permit TNHW-107 (superseded by TNHW-155) and became operational in May 1995. The landfill is used for the disposal of residues from the permittee's incineration units, bulk and containerized hazardous and non-hazardous solid waste, and technically-enhance, naturally occurring radioactive materials (TENORM).

The surface impoundments and landfill are located approximately ½ mile northwest of Wilcox Drive/Riverport Road intersection in Kingsport, TN.

The majority of hazardous wastes managed in these units are generated on-site. The hazardous waste the facility receives from off-site is either hazardous waste generated from material manufactured by Eastman, generated only at a site or sites owned or operated by Eastman, or subsidiaries of Eastman, or product distribution sites under contract to Eastman; provided that the volume of hazardous waste received from such sites and placed in storage for more than thirty (30) days does not exceed ten percent (10%) of the permitted storage capacity at the facility; and provided that during no annual period any more than ten percent (10%) of the total hazardous waste treated or disposed at the facility be from such sites; or hazardous waste in the same waste codes and generated from the same industrial operations that a combustion facility was permitted to receive on July 1, 2001, notwithstanding any change of ownership of such operations since such date, the volume of such waste treated annually not exceeding ten percent (10%) of the combustion facility's July 1, 2001 permitted treatment capacity. Hazardous wastes are received from off-site into permitted storage units, central accumulation areas for treatment or disposal within 3 days or permitted disposal units. Eastman treats most of its hazardous waste in its combustion units or in its wastewater treatment system or disposes of it in its permitted landfill. Small quantities of wastes not suitable for treatment or disposal on-site are stored on-site in container storage areas or tanks prior to shipment to off-site waste management facilities. Some wastes are stored in tanks prior to treatment on-site.

PERMIT HISTORY

The current permit, TNHW-155, was issued to Eastman on August 16, 2013 and was effective for ten (10) years. The surface impoundments, which were in existence on the date of enactment of the Hazardous and Solid Waste Amendments of 1984, contain wastewater during secondary or subsequent phases of an aggressive biological treatment facility subject to a permit issued under Section 402 of the Clean Water Act. Pursuant to Section 3005(j)(3), of RCRA, on October 28, 1987, the permittee was granted a retrofit variance for the eight (8) surface impoundments used for storage of suspected off-quality effluent from its wastewater

treatment system. The landfill was constructed to comply with or exceed the minimum technology requirements of Rule 0400-12-01-.06(14)(b), in accordance with Hazardous Waste Management Permit TNHW-107 (superseded by TNHW-155) and became operational in May 1995. Eastman submitted to the Division of Land Protection a Part A and Part B hazardous waste permit renewal application on March 17, 2023, which allows the facility to continue operations under the current permit until a final decision is made. Eastman held the pre-application meeting for the renewal application on February 21, 2023, as announced in the January 20, 2023, edition of the Kingsport Times News and a radio announcement on January 20, 2023, on FM 98.5 WTFM. No comments were received from the public.

PROPOSED RENEWAL PERMIT

Eastman will continue the operation of the current storage and disposal in surface impoundments and landfill permit with the same capacity. The permit will require regular inspections and repairs to ensure surface impoundments, landfill, and fence are maintained in good conditions.

The proposed permit also requires personnel training, a contingency plan, corrective action for the solid waste management units and areas of concern at the facility; requires notification of imminent hazards; and when applicable, compliance with the requirements developed under the land disposal restrictions and organic air emission standards. Besides the post-closure care monitoring and maintenance of the landfill, the proposed permit requires the continuance of all these other activities.

PERMIT FORMAT

The permit format consists of six sections that specify the duties, conditions and other requirements that Eastman Chemical Company must meet for compliance with their hazardous waste storage and disposal permit. An outline of those sections follows.

I. Standard Conditions

This section provides the authorization and severability of the permit. Definitions, general duties and requirements, document maintenance, maintenance fee, notices, precedence, and permit structure are also provided in this section. The language in this section is consistent in all hazardous waste permits issued by the State of Tennessee.

II. General Facility Conditions

This section provides the general conditions that apply to permitted hazardous waste facilities in the State of Tennessee. This section addresses the following: management of waste, sampling and monitoring, site security, facility inspections, personnel training, preparedness and prevention, contingency plan, manifest system, recordkeeping and

reporting, facility closure, financial requirements, land disposal restrictions, process vents air emission standards, equipment leaks air emission standards, containers air emission standards, organic air emission standards, restriction on ownership of the facility, and prohibition of the placement of transfer facility hazardous waste in permitted storage units.

III. Specific Conditions for Groundwater Monitoring

This section provides the compliance groundwater monitoring program for the active surface impoundments including, but not limited to, the number and location of the monitoring wells, the constituents to be monitored, the sampling frequency, sampling and analytical procedures/methods, procedures to evaluate the sampling results, groundwater protection standards, and record keeping, reporting and response.

IV. Specific Conditions for Storage in Surface Impoundments

This section provides the specific conditions that apply to storing hazardous waste in surface impoundments including waste identification; retrofit variance; surface impoundment operation and maintenance; inspection, monitoring,; emergency and removal from service; incompatible waste special requirements; tank management unit closure and post-closure; and air emission standards.

V. Specific Conditions for Disposal in a Landfill

This section provides the specific conditions that apply to disposing hazardous waste in a landfill, including waste identification; off-site waste; landfill design, maintenance, and operations; monitoring and inspections; surveying and recordkeeping; special requirements for containers; disposal of small containers of hazardous waste in overpack drums; incompatible waste special requirements; bulk and containerized liquids special requirements; equipment decontamination; and closure and post-closure care requirements.

VI. Specific Conditions for Corrective Action

This section provides the specific conditions that apply to solid waste management units (SWMU) and areas of concern (AOC) located at Eastman Chemical Company, Tennessee Operations facility. Eastman is required to maintain Institutional Controls that include access restrictions, fencing, and/or excavation restrictions at 8 SWMUs/AOCs (MP-2, MP-40, SLI-5, SLI-9, NLI-3, HC-3, MISC-3, and Interceptor Sewer). Regular inspections are also required. Eastman is required to maintain soil, asphalt, or concrete caps, and restrictions to prevent unauthorized disturbance of caps at 7 SWMUs/AOCs (MP-26, MP-38, NLI-5, NLI-6, NLI-7, HC-2, and HC-3). Regular inspections at these SWMUs/AOCs are also required. In addition, as a part of the Corrective Action program, Eastman

must maintain sixteen groundwater monitoring wells from specific areas of the facility where SWMUs are located.

The following are the attachments to the permit sections. The attachments provide specific procedures and details as to how Eastman shall comply with the duties, conditions and other requirements specified in those sections.

- Attachment 1. Authorized Hazardous Waste Codes
- Attachment 2. Waste Analysis Plan
- Attachment 3. Security, Preparedness and Prevention
- Attachment 4. Inspection Schedule
- Attachment 5. Personnel Training
- Attachment 6. Contingency Plan
- Attachment 7. Groundwater Monitoring
- Attachment 8. Closure Plan and Financial Requirements
- Attachment 9. Post-Closure and Financial Requirements
- Attachment 10. Design and Operation of Surface Impoundments
- Attachment 11. Design and Operation of Landfill
- Attachment 12. Solid Waste Management Units and Areas of Concern

Documents Available for Review

Electronic copies of the draft permit and fact sheet are available online at <https://www.tn.gov/environment/program-areas/solid-waste/hw/pending-permit-docs.html>, at the DLP Central Office located at the Davy Crockett Tower 7th Floor; 500 James Robertson Parkway; Nashville, TN 37243 (615-532-0780) and at the TDEC Johnson City Environmental Field Office, 2305 Silverdale Drive, Johnson City, TN 37601 (423-854-5400). A paper copy of the draft permit is available for public inspection at the Kingsport Public Library located at 2101 Fort Henry Dr, Kingsport, TN 37664.

Comments

To comment on the proposed permit renewal or to request a public hearing, contact Mr. Brett Harris, Hazardous Waste Permitting/Corrective Action Section Manager, Division of Land

Protection; Tennessee Department of Environment and Conservation; Davy Crockett Tower; 7th Floor; 500 James Robertson Parkway; Nashville, Tennessee 37243-1535 (615-393-9221), Brett.Harris@tn.gov. Comments must be received by 4:30 p.m. CDT, September 22, 2026, to assure consideration.