



**TOWN OF THOMPSON LANDFILL
FACT SHEET
STEWARDSHIP PERMIT**

I. Name and Address of Applicant:

Town of Thompson Landfill
185 Pasay Road
Thompson, CT 06
EPA ID No. CTD000769729

II. Facility Type:

The Town of Thompson Landfill is a facility that accepted Resource Conservation and Recovery Act (RCRA) hazardous wastes between 1978 and 1982. The Town of Thompson, the Permittee, applied for a RCRA Permit through the submittal of a RCRA Part A permit application. The Connecticut Department of Energy and Environmental Protection (the Department) issued the Permittee Stewardship Permit No. DEP/HWM/CS-141-013 on September 28, 2010. On August 1, 2023, the Permittee submitted an application for renewal of their Stewardship Permit (Application 202305485).

III. Purpose of Permit:

The purpose of a Stewardship Permit is to require the completion of investigation, remediation, and long-term stewardship requirements including monitoring of environmental conditions, engineered controls, and institutional controls, as applicable. The permit requires financial assurance and public participation in final remedy decisions. The Stewardship Permit ensures that the sitewide environmental remedy remains effective into the future.

IV. Statutory and Regulatory Basis of Permit:

The issuance and conditions of this Stewardship Permit are based upon the Regulation of Connecticut State Agencies (RCSA) adopted pursuant to Connecticut General Statutes (CGS) Section 22a-449(c), and upon the provisions of CGS Section 22a-6. The Connecticut Hazardous Waste Management Regulations incorporate by reference the federal RCRA hazardous waste regulations. These federal regulations include the technical and administrative standards for hazardous waste facilities as identified by Title 40 of the Code of Federal Regulations (CFR) Parts 264 and 270.

Pursuant to RCSA Section 22a-449(c)-104(a)(2)(O), incorporating with changes 40 CFR 264.101, an owner or operator seeking a permit for treatment, storage, or disposal of hazardous waste must institute corrective action as necessary to protect human health and the environment for all releases of hazardous waste or constituents at the facility, regardless of the time such release occurred or the origin of the release. The permit contains a schedule of compliance for any corrective action which has not been completed prior to issuance of the permit and assurances of financial responsibility for completing such corrective action.

V. Description of Facility:

The Thompson Landfill is a closed landfill located in Thompson, Connecticut. The Thompson Landfill consists of two distinct waste units: the 14-acre municipal solid waste (MSW) unit and the 6,475-square foot RCRA Hazardous Waste Management Unit (HWMU).

The 14-acre Thompson MSW Landfill began operations in 1957 as an open-face landfill. Refuse was burned throughout the 1960s and sanitary landfilling techniques were adopted in 1970. Landfill operations ceased in 1991 and the landfill was graded and capped. The Town's transfer station continues to operate on a small section of the property adjacent to Pasay Road.

From 1978 to 1982, the Thompson Landfill accepted a total of approximately 462 cubic yards of metal-hydroxide sludge from the Sanitary Dash Manufacturing Company. The metal-hydroxide sludge was disposed of in lagoons in a narrow strip of land between Pasay Road and the western toe of the MSW Landfill. These lagoons were defined as (RCRA) Hazardous Waste Disposal Units, now identified as a RCRA HWMU. The RCRA HWMU was formally closed in 1997 in accordance with RCRA regulations, following the closure of the MSW landfill, with the construction of a double-liner impermeable RCRA cap consisting of a geocomposite lower liner and 30 mil HDPE upper liner.

The Post-Closure inspection program was initiated immediately after final closure of the HWMU was completed in 1997, pursuant to the approved 1996 Closure and Post Closure Plan. The groundwater monitoring program was developed in cooperation with the Department and began in 1986 but was updated in the mid-1990s. Groundwater in the vicinity of the landfill was monitored quarterly since the closure of the landfill, until May 13, 1996 at which point a reduction of monitoring to twice per year was approved based on the historical data. Groundwater monitoring currently occurs in April/May and October/November.

There is little activity at the closed landfill, except for the Town Transfer Station which accepts a variety of recyclable materials and a small area used to accept and burn brush and leaf litter located east of the Town Transfer Station. The 14-acre MSW portion of the Thompson Landfill is currently maintained as a mowed field. The majority of the Thompson Landfill property is wooded and unimproved. The RCRA HWMU is separated from the MSW Landfill by a chain-link fence, abuts Pasay Road, and is regularly maintained.

Following closure of the Landfill, a Post Closure Stewardship Permit (Permit) was issued to the Town of Thompson on September 30, 2010 (Permit No. CT-DEEP/HWM/CS-141-013). A Remedial Action Plan (RAP) dated July 13, 2016 was prepared by Lakeshore Environmental to meet the requirements of RCRA Corrective Action.

VI. Closure of the Hazardous Waste Management Units:

The "Closure and Post Closure Plan RCRA Surface Impoundment" plan was submitted to the Department (then DEP) in 1996. The MSW landfill was capped and closed per solid waste regulations in 1991, while the HWMU was capped and closed with a double liner system consisting of a geocomposite membrane and 30 mil HDPE liner in 1997.

VII. Corrective Action and Long-Term Stewardship Obligations:

- RCRA Corrective Action requires the investigation and cleanup of all releases of contaminants at the facility to the environment. The use of any engineering controls and/or institutional controls to achieve compliance with the Remediation Standard Regulations

(RCSA Sections 22a-133k-1-3, inclusive) at a RCRA Facility requires a RCRA Permit. Note, use of Industrial/Commercial (I/C) Direct Exposure Criteria (DEC) is an institutional control that does not require a RCRA permit on its own.

- The Remediation Standard Regulations (RCSA Sections 22a-133k-1-3, inclusive) are the basis for determining that remediation is complete, with or without engineering and/or institutional controls.
- The Stewardship Permit, specific to this property, requires continuation of surface and groundwater monitoring, gas monitoring, and landfill cap maintenance and inspections.
- The Stewardship Permit requires an initial PFAS baseline sampling event.
- The Stewardship Permit requires the establishment and maintenance of mechanisms assuring financial responsibility.

VIII. Available Materials:

Materials available for inspection with respect to this permit include:

- A. The Permit Application;
- B. The Draft Stewardship Permit;
- C. The Notice of Tentative Determination for the Draft Stewardship Permit;
- D. Fact Sheet

These materials are available on the Department's webpage: [Proposed Individual Permits \(ct.gov\)](https://www.ct.gov/deep/individualpermits).

Questions may be directed to Veronica Tanguay by email at veronica.tanguay@ct.gov or to DEEP.REMStewardship@ct.gov.