



SANFORD UNDERGROUND RESEARCH FACILITY

SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY

Discharges to Sanitary Sewer

Table of Contents

1.0	Purpose	4
2.0	Scope	4
3.0	Definitions.....	4
4.0	Responsibilities	4
5.0	Instructions	5
6.0	Documented Information/Related Documents	5

Revision History

Rev	Date	Section	Paragraph	Summary of Change	Authorized by
01	6/25/2024	NA	NA	Initial Release	CCR 966
02	11/25/2025	1, 4 & 5	4.3.2, 4.4.1, 5.2 & 5.3	Updated after 2025 review; Removed information related to acid neutralization and discharge to sanitary sewer and Updated document due to change to the document numbering of controlled documents due to the change from DocuShare system to SharePoint system	CCR 1178

1.0 Purpose

The purpose of this standard is to provide personnel at Sanford Underground Research Facility (SURF) guidance to ensure compliant sanitary sewer use.

South Dakota Science and Technology Authority (SDSTA) references Ordinance No. 6 (As Amended) – Sewer Use, Rules, Regulations, and Rates of Lead-Deadwood Sanitary District No. 1 to comply with this Standard.

2.0 Scope

This standard applies to all SDSTA Personnel, Users, and Contractors/Subcontractors operating at SURF.

3.0 Definitions

Hazardous Waste – A solid waste that exhibits a characteristic defined by the following: Ignitability, Corrosivity, Reactivity, or Toxicity. A solid waste is determined to be a characteristic hazardous waste either by testing or by process knowledge. A hazardous waste may also be defined by listing, that is, named in any one of four lists (F-list, K-list, U-list and P-list) found in 40 CFR 261.30 through 40 CFR 261.33.

Publicly Owned Treatment Works (POTW) – A sewage treatment plant owned, and usually operated, by a government agency.

Sanitary Sewage – Water that contains constituents of human and/or animal metabolic wastes, as well as residuals from cooking, cleaning, and bathing.

Sanitary Sewer – An underground pipe or tunnel system used for transporting sanitary sewage from houses and commercial buildings to a POTW. NOTE: The underground wastewater treatment plants are not considered sanitary sewer for the purpose of this standard.

4.0 Responsibilities

4.1. SURF Laboratory Director

4.1.1. Ensures accountability of the requirements of this document with direct reports.

4.2. Environment, Safety, and Health (ESH) Department

4.2.1. Develops, implements, and updates this standard.

4.2.2. Provides guidance to SDSTA personnel and facility users, as necessary, to ensure compliance with this standard.

4.3. Department Directors

- 4.3.1.** Communicate this standard throughout their department.
- 4.3.2.** Ensure that departmental staff comply with this standard.

4.4. SDSTA Personnel and Facility Users

- 4.4.1.** Adhere to this standard.

5.0 Instructions

- 5.1.** If SDSTA personnel and facility users intend to discharge a waste, other than sanitary sewage, into the sanitary sewer, it is the responsibility of that individual to confirm that the discharge complies with this standard.
- 5.2.** The following shall not be discharged into the Lead-Deadwood Sanitary Sewer, in accordance with Ordinance No. 6 (As Amended) – Sewer Use, Rules, Regulations, and Rates of Lead-Deadwood Sanitary District No. 1:
 - Hazardous waste, solids, sludges, and chemical waste, such as paint, must not be discharged.
 - Waste containing oil, grease, or sediment/grit shall not be discharged without the preapproval of the Lead-Deadwood Sanitary District.
 - Flammable waste shall not be discharged without the preapproval of the Lead-Deadwood Sanitary District.
 - Any other waste that may be harmful to structures, systems, equipment, or personnel of the Lead-Deadwood POTW must not be discharged.
 - Stormwater
 - Surface Water
 - Ground Water
 - Subsurface Drainage
 - Cooling Water
 - Industrial Process Water
 - Any Liquid Waste not meeting the definition of Sanitary Sewage without the preapproval of the Lead-Deadwood Sanitary District

6.0 Documented Information/Related Documents

- 6.1.** NA