

# Hazardous Waste

## Summary

University Facilities (UF)

Internal Guideline: 04.C.01.01

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Approved by: Bob Wells, updated Todd Barnette

This document summarizes the Hazardous Waste Guideline. Complete document can be found at <https://www.clemson.edu/research/safety/manuals/waste/>

## Purpose

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This manual outlines the proper procedures for managing hazardous waste at Clemson University main campus, Clemson, South Carolina. This document is intended to serve as a "how-to" manual for Clemson employees, students and subcontractors involved with the handling of hazardous waste. These procedures will be revised as necessary to reflect changes in Clemson practices and environmental regulations.

Note: Clemson University has numerous off Campus Facilities that, due to their differing status under RCRA operate slightly differently and the Generator should consult with the Office of Research Safety for directions on management at those facilities.

A description of hazardous waste and hazardous waste determination practices is provided in Section II. A discussion of hazardous waste minimization is also provided.

Hazardous waste storage procedures are presented in Section III. Section IV details the hazardous waste pick-up procedures. Section V provides off-site shipping requirements for hazardous waste. Procedures for addressing non-routine situations are detailed in Section VI. Section VII outlines the required training for applicable personnel.

## Applicability

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The procedures contained in this Hazardous Waste Management Manual shall be followed by all Clemson employees, students and subcontractor personnel employed by the University. The Hazardous Waste Officer must approve any deviation from the procedures defined in this document in writing.

## Clemson University's Classification

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The South Carolina Hazardous Waste Management Regulations apply to the storage, treatment, transportation and disposal of wastes that either are listed by the Environmental Protection Agency (EPA) or meet one or more of the characteristics of ignitability, corrosivity, reactivity or toxicity as defined in 40 CFR 261.

Under these regulations, Clemson University's main campus is currently classified as a "Large Quantity Generator" of hazardous waste. Within this limitation, Clemson University personnel are prohibited from:

- Treating a hazardous waste,
- Storing a hazardous waste at an accumulation point for greater than ninety (90) days,
- Transporting hazardous waste away from the main campus, and
- Negligent or otherwise unlawful waste disposal.

Clemson University provides its departments with a single means for the lawful disposal of hazardous waste. A state and/or university contract service is maintained without charge to the generating department.

Those within Clemson University who have a potential for generating hazardous waste are responsible for four primary management activities:

- Hazardous waste minimization
- Proper management of the waste material while it is being generated
- Processing hazardous waste for removal.
- Obtaining the knowledge and putting that into practice in the proper management of hazardous waste in accordance with all federal and state regulations and laws

This manual defines the procedures a department must implement in order to properly conduct these activities. In order to simplify compliance with hazardous waste regulations, each department may wish to select a Departmental Safety Coordinator for safety and environmental compliance issues. This individual will be trained by the Office of Research Safety in the appropriate regulations. A fifth area of responsibility,

Emergency Response Procedures for Accidental Release of Hazardous Waste, is discussed in the Hazardous Waste Incident Standard Operating Procedures. Chemical exchange between Clemson University departments is encouraged under the supervision of the Hazardous Waste Officer and/or the Chemical Hygiene Officer. Some chemicals are not regulated as hazardous substances but are, nonetheless, environmentally unfriendly and it is Clemson University's intent to protect the environment. The Hazardous Waste Officer will make all final determinations as to the final disposition of all chemical and biological substances that may be hazardous.