TABLE OF CONTENTS

[1.0 PURPOSE 1](#_Toc464215546)

[2.0 SCOPE 1](#_Toc464215547)

[3.0 reference documents 1](#_Toc464215548)

[3.1 TI Standard Policy and Procedure (SP&P) 04-04-01: "Environmental, Health and Safety" 1](#_Toc464215549)

[3.2 TI ESH Standard ENV 04.02: “Waste Management Facility Selection Criteria” 1](#_Toc464215550)

[4.0 Definitions 1](#_Toc464215551)

[5.0 Requirements 1](#_Toc464215552)

[5.1 Hazardous Waste Reduction 1](#_Toc464215553)

[5.2 Hazardous Waste Management Hierarchy 2](#_Toc464215554)

[5.3 Hazardous Waste Authorizations 2](#_Toc464215555)

[5.4 Hazardous Waste Management Accountability 2](#_Toc464215556)

[5.5 Hazardous Waste Generator’s Responsibilities 2](#_Toc464215557)

[5.6 Hazardous Waste Services 2](#_Toc464215558)

[5.7 Hazardous Waste Management Facility Risk Assessment 3](#_Toc464215559)

[5.8 Medical Waste Management 3](#_Toc464215560)

[5.9 Record Retention 3](#_Toc464215561)

[5.10 Training 3](#_Toc464215562)

[6.0 STANDARD Approval 3](#_Toc464215563)

[7.0 Revision history 4](#_Toc464215564)

# PURPOSE

This standard establishes the minimum requirements for the management of hazardous waste generated at TI sites worldwide.

# SCOPE

The provisions of this standard apply to all TI sites worldwide.

# reference documents

## TI Standard Policy and Procedure (SP&P) 04-04-01: "Environmental, Health and Safety"

## TI ESH Standard ENV 04.02: “Waste Management Facility Selection Criteria”

# Definitions

[TI ESH Standards Glossary of Definitions](https://sps01.itg.ti.com/sites/wwf/esh/standards/Knowledge_Bank/00.01.xlsx)

# Requirements

## Hazardous Waste Reduction

Sites generating over 220 lbs (100 Kg) per month or 2640 lbs (1200 Kg) per year of hazardous waste shall have a program in place to reduce hazardous waste generated from the site’s operations. A site program shall include the following elements where applicable to the site’s operations:

### Preventing or reducing the generation of hazardous waste through source reduction activities;

### Reducing the environmental or health hazards associated with hazardous waste after generation through waste minimization practices.

## Hazardous Waste Management Hierarchy

Sites shall use the following hierarchy (in order of decreasing preference) when determining the disposition of waste. The following waste management hierarchy is advisory and is shown in decreasing order of preference.

### Recycle or repurify for reuse;

### Treat or neutralize wherever practical and permitted to produce non-hazardous or less hazardous residuals;

### Incinerate where reduction, recycling, burning for energy recovery, treatment, or neutralization are not practical methods and such treatment produces less liability, and

### Land disposal.

## Hazardous Waste Authorizations

### **Site** management shall provide a means to obtain and maintain all the waste generation, treatment, storage, and disposal or discharge permits, registrations, certifications, documentation and / or reports as required by applicable laws, codes and/or regulations.

## Hazardous Waste Generator’s Responsibilities

Hazardous waste generators shall operate their facilities in such a manner as to insure that hazardous waste is controlled and releases to the environment are prevented. Hazardous waste management practices shall include:

### Collecting hazardous waste from process operations in compatible containers or tanks that are kept closed except when adding or removing waste materials;

### Labeling hazardous waste containers to identify their hazardous contents;

### Creating accurate waste identification and classification documentation and preparing waste shipment or transfer documentation (such as a manifest) to represent the contained or packaged waste material as required by applicable laws, codes and/or regulations;

### Visually inspect hazardous waste tank systems and hazardous waste container storage areas periodically to assure their closure, integrity, and capacity for continued use. Inspections shall be documented. The inspection frequency is determined by the site's regulatory requirements, or by the site's aspect assessment in the absence of any regulatory requirement for inspections;

### Immediately responding to hazardous waste spills/releases to the environment, including responding to the discovery of past (historical) releases; and

### Creating and maintaining defined practices for responding to hazardous waste emergencies (spills/releases, fires, etc.), including notification, as applicable, to the Authority Having Jurisdiction (AHJ).

### Accounting for the quantity of hazardous waste generated, quantity reduced, and related improvements.

## Hazardous Waste Services

Site management shall designate the suppliers, teams, and / or individuals responsible for waste collection, consolidation, packaging, storage, transportation, disposal, recycle, and / or sale of all hazardous waste, chemical waste, and by-products. Designee responsibilities shall include:

### Providing services in compliance with TI policy, all environmental and transportation regulations, local, state, and national laws, codes, or regulations, and;

### Providing documentation for each shipment off-site of any such waste materials.

## Hazardous Waste Management Facility Risk Assessment

Prior to the transfer of hazardous waste to a non-TI waste management facility or business for the purposes of transportation, transfer, storage, treatment, disposal, or recycle, the waste generating site shall follow, as applicable, TI ESH Standard ENV04.02 “Waste Management Facility Selection Criteria”.

## Medical Waste Management

### The site shall ensure that all medical wastes are properly contained, identified and labeled, managed, manifested, and disposed off-site in accordance with current local, state, and national laws, codes, or regulations for the site.

## Training

### Personnel who generate, handle, package, label and / or identify hazardous waste in the process of accumulation, containerization, consolidation, storage, transport, and / or disposal shall be properly trained to allow them to perform their hazardous waste management duties in a way that ensures the site’s compliance with applicable local, state, and national laws, codes, or regulations and this standard.

### Documented initial training shall be followed by an annual review.

## Record Retention

### Waste composition analyses and manifest document records shall be kept at the waste generator’s site for no less than three years. Thereafter, all such documents shall be kept in permanent retrievable retention (i.e., physically at the site, physically in a records retention facility, electronically within TI’s information network, etc.) until the TI Legal Department authorizes the release of such documents.

### Individual training records shall be kept for a minimum of three years at the site.

# STANDARD Approval

This standard has been approved by David Thomas, TI Vice President.

# Revision history

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rev#** | **Date** | **Nature of Revision** | **Author/Editor** | **Approver** |
| A | 12/15/2006 | Major periodic review; 1.0 Purpose language simplified; record retention consolidated in 3.9; links updated | John Willis | BH |
| B | 02/15/2013 | Major periodic review | John Willis | ELC |
| C | 03/01/2017 | 3-year review. 5.4.1 removed and placed into re-numbered section 5.4. Minor edits for clarity. | John Willis | ELC |
| D | 12/2/2020 | Minor Changes | Tina Gilliland | ELC |
|  |  |  |  |  |