

Tribal Hazardous Waste Program Training Curriculum

Summary

The Training curriculum was made in collaboration with Northern State Arizona University Institute for Tribal Professionals, Kansas State University Tribal TAB, & the EPA. The curriculum will establish recommended training requirements for Tribal Environmental programs, depending on staff roles and responsibilities, that will enable them to appropriately and safely manage hazardous wastes.

The curriculum identifies training resources for Tribal nations that are mostly available at no cost to them. Many training courses are provided in an online, self-paced environment, while others may require scheduling and coordination for delivery for onsite training.

The objective for providing these resources is to:

- Promote Tribal sovereignty and self-sufficiency through capacity and skills building
- Create an awareness of the broad array of resources available to Tribal nations
- Develop individual skills to address hazardous waste tasks
- Provide technical assistance to other Tribes that manage solid waste and hazardous wastes
- Promote the development of networks to support Tribal nations that manage hazardous wastes

The information is organized by the resource provider with short descriptions of each affiliation, contact information, training course(s), and course description(s).

Institute for Tribal Environmental Professionals

The Institute for Tribal Environmental Professionals (ITEP) was created to act as a catalyst among tribal governments, research, and technical resources at Northern Arizona University, various federal, state, and local governments, and the private sector, in support of environmental protection of Native Americans natural resources.

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Introductory Tribal Hazardous Waste Videos

ITEP manages many of its video collections in its online Media Space library. Videos are organized into channels specific to subject area categories and subcategories. Search ITEP's Media Space library at <https://mediaspace.nau.edu/category/departments/68880892> with keywords or tags such as speaker names, conference title, session title, or topic area to find videos that match your interest.

Videos:	
Emergency Response	Introduction to Hazardous Waste and 8-Hour HAZWOPER Refresher to manage HW.
EPA's Roles and Process for Monitoring and Directing Responses to HW on Tribal Lands	On how to monitor and direct responses to spills of HW substances.
Examples of household hazardous waste	Examples of household HW and chemical hazards description.
GRIC Waste Management Ordinance	Identifying & managing household HW in Tribal land.
GRIC Waste Program Overview	Identifying & managing household HW in Tribal land.
Hazardous Waste Reduction Opportunities in Tribal Communities	Identifying and reducing HW. Alternatives to reduce household HW in Tribal communities.
Household Hazardous Waste Treatment and Disposal Methods	Household HW treatment and disposal methods in Tribal land.
Integrating HAZMAT Information for Tribal Jurisdiction	Hazmat information to integrate into the CAMEO Suite software programs to evaluate chemical hazards.
Introduction to Hazardous Waste Packaging in Alaska	Information to pack and transport HW the best way possible.
Introduction to Identification, Storage, and Tracking of Hazardous Waste	Intro to label, store and track HW.

Introduction to identifying Wastes	Understanding and identifying your HW with Federal regulation resources.
PPE for Tribal Environmental Professionals Donning and Doffing level D	Intro to wearing personal protective equipment when managing HW. Sample on managing HW.
PPE for Tribal Environmental Professionals Overview and Things to Consider	What to consider when developing your PPE program.
RCRA Overview	Reviewing Federal policy infrastructure to categorize and manage MSW & HW.
Top Ten Hazardous Waste Violations	HW violations you can avoid by using policy standards.
Toxins in Household Products	Environmental health and justice topics by identifying and preventing toxics. Effects of HW on human health.
Tracking Chemical Releases to Tribal Lands	(TRI) Toxics release inventory data helps you learn about facilities toxic chemical releases in your area.
What is Hazardous Waste?	Intro to HW explaining its characteristics and categories. Common HW found in businesses.
What is Household Hazardous Waste?	Explains the characteristics of HHW & MSW, and how it is connected to the RCRA Federal regulations.
What is Universal Waste?	Explains the difference between universal waste & HW, and how it is related to the 40 CFR Federal regulations.

ITEP's Online Resource Center Access (ORCA) Database

Search ORCA at <http://www7.nau.edu/itep/main/orca> for technical documents and reports, handbooks, videos, brochures, fact sheets, websites, and other types of resources.

Other Resources Documents:	
Personal Protective Equipment at Solid Waste Landfills	Description of PPE when working in the MSW workforce.
Hazardous Terminology	Introduction to several hazardous terminologies.
Addressing Public Health and Chemical Exposures	On how to maintain a safe environment for the well-being of the community.

An Alternatives Assessment for the Flame Retardant Decabromodiphenyl Ether	Safer alternatives for chemical hazards.
Brominated and Chlorinated Organic Chemical Compounds Used as Flame Retardants	Description of flame retardants hazardous chemicals and negative effects.
Examination of EPA Risk Assessment Principles and Practices	How to analyze information to determine if an environmental hazard can cause harm.
Health Effects of Perinatal Exposure to Endocrine Disrupting Chemicals	Chemicals found on hard plastics.
Handling PCBs in Caulk During Renovation	The public can know how to manage caulk items that have chemicals.

ITEP's Online Courses

This section's goal is to assist in the professional development and exchange of information for tribal staff in order to enhance the operations and performance outcomes of environmental management.

<https://itep.scholarlms.com/catalog/>

HW Management Courses:	
Introduction to Hazardous Waste	How to manage hazardous waste and explain identify different generators.
Introduction to Alaska Landfill Administration	Intro to landfill management, operations, & strategies.
2022 HAZWOPER 8 Hour Refresher	Identifying hazardous waste and how to manage situations.
Quality Assurance Fundamentals	A basic introduction to a QAPP and how to locate resources.
Radon Fundamentals	How to identify radon to test it. Locate different types of testing devices.
PPE for Tribal Environmental Professionals	Identifying when and what personal protective equipment to wear at work when encountering hazards.
Introduction to Brownfields	Identifying and managing brownfield sites. How to access funding.

About Kansas State University TAB

KSU TAB services are free to communities and tribes. KSU works closely with federal and state agencies to assist communities/tribes in their revitalization efforts of brownfields sites. KSU TAB assistance is tailored to the specific needs of a community/tribe and is usually coordinated through the city, tribal, or non-profit brownfields project manager.

Address: Kansas State University, 2010 Durland Hall, Manhattan, KS 66506-2502

Telephone: 1 (800) 798-7796

Email: chsr@k-state.edu

Protocols for Encountering Hazardous Waste at Open Dumps and Abandoned Structures on Tribal Lands Webinar <https://www.ksutab.org/events/webinars>

Webinars:	
Brownfield Redevelopment Process Interactive Webinar Series: Module 3 Site Remediation	Analysis of brownfield cleanup alternatives. Understanding the scope of the project.
Brownfield Redevelopment Process: Module 2B Site Characterization Phase II Environmental Site Assessment	How a Phase 2 (ESA) Environmental Site Assessment may guide during cleanup and redevelopment decisions.
Interactive Webinar: Brownfields Basics and Site Identification/Prioritization	Brownfield basics and site identification.
Building a Brownfield Program	How to build and manage a brownfield program with current resources.
Site Investigation - Laying the Groundwork for Efficient Site Work	Brownfield pre-assessment planning to save time, money, and energy.
Building a Brownfield Inventory Using BiT	Using an inventory tool to keep count of brownfield sites, area maps, and data.
National TAB Webinar: The Basics of Site Remediation for Communities	Aspects of remediation technologies, and how to work with State regulators.

General Resources Webinars:	
1: What is a Brownfield	Introduction & steps for successful brownfield redevelopment.
TRP 128a Training Module I-9: Coordinator Role	It explains what are the functions of a Coordinator. How to monitor the program progress.
Establishing and Enhancing a 128(a) Tribal Response Brownfield Program	Assisting and training for Tribes to manage brownfield Institutional Controls. Establishing a new TRP- Brownfield program.
TRP 128a Training Module I-6: Element 4 Cleanup Verification	For approval of a Brownfield cleanup plan, and a requirement for Certification of Completion which states remediation for a site has been completed.
TRP 128a Training Module I-8: Introduction to Site Work	Site specific work, discovery, inventory, hazard assessment, response actions to clean up Brownfields.
TRP 128a Training Module I-1: Purpose & Scope	Identifying and assessing Brownfields. Protecting public health & the environment. Responding to release of hazardous substances, pollutants & contaminants.
TRP 128a Training Module II-6: Site Work Advanced (Slideshow)	Site assessment, response actions, remedial sampling, post remedial monitoring, data quality objectives, cleanup standards.
TRP 128a Training Module II-9: Tribal Cleanup Standards & Decision Making (Slideshow)	Anatomy of risk-based environmental cleanups. Exposure pathways. Site cleanup standards, decision making.
TRP 128a Training Module II-1: Program Enhancement (Slideshow)	Add or improve a Tribal response program or increase the number of sites at which response actions are conducted. Doing self-assessment. Discuss results with EPA.
TRP 128a Training Module II-4: Enhancing PR & ICs 2017 (Slideshow)	Methods for enhancing the public record & institutional controls. Maintain and update.
TRP 128a Training Module II-5: Emergency Response (Slideshow)	How first responders can manage hazardous substance spills. Site assessment & clean-up process.

Kansas State University

<https://www.ksutab.org/events/training>

Online Training Program Series:	
Greener Cleanup for Brownfields	To understand greener remediation practices & resources. Writing proposals and work plans.
Brownfield Basics Online Training Program	Introduction to brownfields. Finding resources and clean-up redevelopment.

Kansas State University

<https://www.ksutab.org/events/workshops>

Workshop webinars:	
New Mexico Redevelopment and Reuse of Distressed Properties	Find redevelopment options, discover free resources for your community, and brownfields redevelopment.
Part 1 Practically Speaking: Practical Tools & Approaches for Navigating Brownfields Virtual Workshop	Plan to identify brownfields, engage the community, set redevelopment goals. Site assessment.

USEPA Region 2

The Environmental Protection Agency is an independent executive agency of the United States federal government tasked with environmental protection matters.

Serving New Jersey, New York, Puerto Rico, the U.S. Virgin Islands, and eight Indian Nations.

Address: Main Regional Office: 290 Broadway, New York, NY 10007-1866 Resource

Conservation and Recovery Tribal Lands: Denise Roy, 703-308-8458, roy.denise@epa.gov

National Tribal Coordinator wilson.erika@epa.gov, 202-343-9113

Region 2 Lorraine Graves (212) 637-4099 graves.lorraine@epa.gov

Chemical Safety and Pollution Prevention EPA Tribal Program Manager: Amanda Hauff, (202) 566-0603, hauff.amanda@epa.gov

Tribal Hazardous Waste Issues Roundtable Discussion series:

<https://www.epa.gov/tribal-lands/forms/tribal-waste-management-program-webinar-series-0>

Tribal Waste Management Program Webinar Series:	
Allowing Modern Alternatives for Public Notification for RCRA Hazardous Waste Permitting and Other Actions	Information on deciding to consult with EPA for HHW facility permits.
PCB Extraction Proposed Rulemaking, Webinar & Slides PDF	(PCB) Polychlorinated Biphenyls chemical cleanup & disposal.
Waste Characterization for Tribal Program Planning Webinar and Slides	How to categorize waste stream & HW.
Other Resources Documents:	
A User-Friendly Reference Document for Hazardous Waste Listings	Criteria for identifying HHW & HHW listing.
RCRA Training Module: Hazardous Waste Identification	40 CFR Introduction to HW Identification.
Managing Your Hazardous Waste: A Guide for Small Businesses	How a small business can manage HW.
Process for Importing RCRA Hazardous Waste	A chart explains HW shipment requirements.
Fact Sheet on Requirements for Very Small Quantity Generators	How to identify if you are a very small HW generator.
Household HW Management: A Manual for One-Day Community Collection Programs	How to organize & outreach for an HHW collection day event.
Household HW: Steps to Safe Management brochure	Guideline tips for managing HW in households.
HHW: How to Dispose of Medicines Properly	Guideline tips for managing medicines in households.
Solvents in the Workplace: How to Determine if They Are Hazardous Waste	Determine if your solvents are HW and how to manage them.
Solid Waste Characterization for Tribal Program Planning Webinar Slides	How to categorize waste stream & HW.
EPA's Introduction to Generators training document	Define the terms "generator" and "co-generator. List the three classes of generators, outline the different generation and accumulation. limits, and provide specific regulatory citations
Proper Handling of Hazardous Waste Guide	This document is intended to provide a broad overview of what tribal representatives can look for when inspecting facilities that accumulate hazardous waste.

Tribal Waste Management Program

Provides technical assistance, training, and funding, facilitates waste program peer matches among tribes, education, and outreach to tribes.

<https://www.epa.gov/tribal-lands/tribal-waste-management-program>

Technical Assistance, Training, and Tools to prevent contamination:	
Model Tribal Solid Waste Disposal Ordinance	A tribal framework on how to manage HW.
Don't Be Left in the Dark: Safely Clean Up and Recycle CFLs	Recycling CFL bulbs Guide List for households.
Printable: What to Do if a Compact Fluorescent Light (CFL) Bulb or Fluorescent Tube Light Bulb Breaks in Your Home	CFL clean-up procedures.
Tribal Waste Journal Issue 1: Respect Our Resources: Prevent Illegal Dumping	Prevent or clean up waste dumping.
Tribal Waste Journal Issue 9: Successful Household Hazardous Waste Management	Demolition recycling tips.

Clu-in.org EPA

Technology Innovation & Field Services Division provides information about innovative treatment, characterization, and monitoring technologies while acting as a forum for all waste remediation.

<https://clu-in.org/>

Remediation Technologies:	
Remediation Management of Complex Sites	Integrate technical challenges into a logistic approach to site remediation.
ITRC 1,4- Dioxane: science, Characterization & Analysis, and Remediation	Dioxane chemical characterization, analysis & remediation.

<https://clu-in.org/>

Training & Events; Archived Internet Seminars & Podcasts:	
Show Me How: Brownfields Redevelopment in Economically Distressed Areas	How environmental risk can be extinguished or controlled through the redevelopment process.
Free Brownfields Technical Assistance Available to Communities	For communities with brownfields to learn about FREE technical assistance.

<https://clu-in.org/>

Additional Resources; Software & Tools:	
EPA Environmental Response Team Software Products	Utilities and tools to assist field personnel in managing and performing their site-related duties.
SiteWise™ Tool for Green and Sustainable Remediation	SiteWise is a remedy selection and optimization tool for green and sustainable remediation (GSR) planners.
Scribe: Environmental Field Data Capture	Scribe captures sampling, observational, and monitoring field data.
Rapid Assessment Tools (R.A.T.)	R.A.T. stores the sample data with its GPS location in a flat file and plots these results in a dynamic, two-dimensional display in real-time.

North Country Chamber of Commerce

The North Country Chamber of Commerce is a regional chamber serving Clinton, Essex, Franklin, Hamilton, and northern Warren Counties in New York State and southern Quebec. Our many services and activities include workplace safety training, workforce recruitment assistance, On-the-Job Training Program, and export help among other valuable services for industrial employers.

Address: 7061 Route 9, P.O. Box 310, Plattsburgh, New York 12901

Telephone: (518) 563-1000

Email: info@northcountrychamber.com

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<http://northcountrychamber.com/Chamber/Safety-Training-Programs>

Safety Training Programs:	
HazCom With Global Harmonized System(GHS)	It covers the requirements of the Global Harmonized System (GHS), including Hazard Classification, Labels, Safety Data Sheets (SDS).
HazWoper (8 hrs)	This course is designed for individuals seeking Hazardous Waste Operations and Emergency Response (HAZWOPER) certification
1-Hour Flammable and Combustible Course	This course will outline the risks associated with flammable and combustible liquids and provide safety precautions for working with them and storing them safely.
OSHA General Industry (10 hrs)	You'll be trained on recognition, avoidance, abatement, and prevention of safety and health hazards in the workplace.
Spill Team	In this presentation we will discuss how the employees should respond to spills of hazardous chemicals in the workplace.

Alabama Fire College

Alabama Fire College has delivered firefighter training. As service demands on fire departments have expanded, the Fire College has developed EMS, hazardous materials, rescue technicians, and other programs to meet those changing needs.

Address: 2501 Phoenix Dr, Tuscaloosa, Alabama 35405

Telephone: 1-800-241-2467

Email: webadmin@alabamafirecollege.org

www.alabamafirecollege.org

Certification Course List:	
Hazardous Materials/WMD Awareness 8hrs	This course is for emergency response personnel who may be first on the scene of a hazardous materials emergency at an awareness level and are expected to recognize the presence of hazardous materials, protect themselves, secure the area, and call for trained personnel.
Hazardous Materials/WMD Operations	This course is for emergency response personnel who may be first on the scene of a hazardous materials emergency at the operational level.

Hazardous Materials/WMD Awareness & Operations	This course is for emergency response personnel who may be first on the scene of a hazardous materials emergency at the awareness & operational level, acting in a defensive posture to protect people, the environment, or property from the effects of an unplanned hazardous materials release.
Hazardous Materials/WMD Technician	This course develops the skills already learned and provides in-depth training in the mitigation of hazardous materials incidents. Through both classroom and practical training, the student becomes familiar with health and safety issues, incident management, hazard and risk analysis, personal protective clothing, and decontamination.
Hazardous Materials/WMD Incident Commander	This course supplies the Incident Commander with the knowledge and skills to perform his/her role as the person responsible for all decisions relating to the management of the incident at releases or potential releases of hazardous materials.
Radiological/Nuclear Awareness (8 Hrs.)	It is offered to first responders who may encounter radiological or nuclear hazards. This course will help responders recognize releases, avoid exposures, and take appropriate defensive actions.
HAZWOPER Annual Refresher (8 Hrs.)	This class presents refresher topics and new updates as required in OSHA's HAZWOPER standard. Topics are changed each year to avoid dull repetition.
Hazardous Waste Site Worker (40 Hrs.)	This is the initial health and safety training class for those who work at sites that may be contaminated by hazardous wastes.