

Certification Program Outline for ASTM Certified Environmental Professional (ASTM-CEP)



ADVANCING STANDARDS
TRANSFORMING MARKETS

Issued November 6, 2024

Approved by CCP April 14, 2023

ASTM Program Outline for Certified Environmental Professional

1. Introduction

1.1 This document outlines the program scope for the Certified Environmental Professional (ASTM-CEP) certification program.

2. Resources

- ASTM E1527
- ASTM E1528
- ASTM E2247

3. Scope

3.1 CERCLA Basics

- 3.1.1 Describe meaning & significance of good commercial and customary practice
- 3.1.2 Describe meaning of & significance of the All Appropriate Inquiries Rule
- 3.1.3 Describe the CERCLA liability scheme
- 3.1.4 Identify and describe the landowner liability protections
- 3.1.5 Identify defendant obligations (including continuing obligations)
- 3.1.6 Identify purpose of environmental due diligence
- 3.1.7 Identify the (10) criteria established by Congress for AAI

3.2 E1527 Basics

- 3.2.1 Describe E1527's shelf-life scheme
- 3.2.2 Describe how E1527 addresses/reconciles state vs national issues
- 3.2.3 Describe significance of EP discretion & judgement and where it might apply
- 3.2.4 Describe what level of certainty is provided by E1527
- 3.2.5 Identify purpose and scope of an E1527 Phase I
- 3.2.6 Identify some of the Phase I scoping issues (eg access/confidentiality, non-scope, etc)
- 3.2.7 Identify the elements of an E1527 Phase I

3.3 Government Records

- 3.3.1 Describe E1527's provisions for reducing search distances

- 3.3.2 Describe the significance of, and requirements for agency file review
- 3.3.3 Describe what EP should do when sites are identified w/in specified search distance
- 3.3.4 Identify standard federal, state and records

3.4 Historical Records

- 3.4.1 Describe purpose of gathering & evaluating historical records
- 3.4.2 Describe requirements for developing history of subject property/adjoining property/area
- 3.4.3 Describe scope of required historical records research and level of detail required in report
- 3.4.4 Identify standard historical sources (and big four)"

3.5 Interviews

- 3.5.1 Describe purpose & scope (content, medium, timing) for govt official interviews
- 3.5.2 Describe purpose & scope (content, medium, timing) for owner/occupant interviews
- 3.5.3 Identify government official interviewees
- 3.5.4 Identify requirements for multi-tenant interviews

3.6 Non-Scope Items

- 3.6.1 Describe how/when non-scope item can become in-scope (e.g., when does asbestos become in-scope)
- 3.6.2 Describe meaning and significance of Business Environmental Risk
- 3.6.3 Describe what is meant by non-scope item, and provide examples

3.7 Physical Setting

- 3.7.1 Describe purpose for, and significance of reviewing physical setting information
- 3.7.2 Identify standard physical setting resources

3.8 Records Review

- 3.8.1 Define reasonably ascertainable
- 3.8.2 Identify the E1527 provisions for reliance and records verification

3.9 Report Preparation

- 3.9.1 Describe process of identifying and addressing data gaps

- 3.9.2 Describe requirement for and significance of the concluding statement in report
- 3.9.3 Describe requirements for recommendations
- 3.9.4 Identify meaning of and differences between limitations, deviations, and data gaps
- 3.9.5 Identify requirements for maps & photos in reports
- 3.9.6 Identify the required report elements
- 3.9.7 Summarize data gap vs significant data gap
- 3.10 Site Reconnaissance
 - 3.10.1 Describe ground rules (e.g., building interior, exterior, roads/paths, etc)
 - 3.10.2 Describe requirements for reconnaissance of adjoining properties
 - 3.10.3 Establish & document methodology for site reconnaissance
 - 3.10.4 Identify exceptions to site reconnaissance
 - 3.10.5 Identify requirements for multi-tenant site reconnaissance
 - 3.10.6 Identify requirements for site photos
 - 3.10.7 Identify the required features, activities, uses, and conditions
- 3.11 Terminology
 - 3.11.1 Analyze fact pattern and determine if scenario represents a REC/CREC/HREC/de minimis/finding (5-10 different scenarios)
 - 3.11.2 Define adjoining property"
 - 3.11.3 Define "Controlled Recognized Environmental Condition" and explain meaning
 - 3.11.4 Define "de minimis condition" and explain meaning
 - 3.11.5 Define "Environmental Professional" and describe role and responsibilities
 - 3.11.6 Define "material threat" and explain meaning
 - 3.11.7 Define "Recognized Environmental Condition" and explain meaning
 - 3.11.8 Define "release" and explain meaning
 - 3.11.9 Define "significant data gap"and explain meaning
 - 3.11.10 Define Historical "Recognized Environmental Condition" and explain meaning
 - 3.11.11 Discuss meaning of "likely" (likely presence)
- 3.12 User Responsibilities
 - 3.12.1 Describe user" vs client
 - 3.12.2 Describe title search obligations
 - 3.12.3 Identify User responsibilities and the user questionnaire"