



Standard Guide for Evaluation, Management, and Control of Lead Hazards in Facilities¹

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1. Scope

1.1 This guide provides detailed guidance for use by owners and property managers in developing and implementing a lead hazard management program in facilities that are likely to be occupied or visited by children under six or by pregnant women by providing an organized approach to using ASTM and other standards. Its purpose is to protect occupants, visitors, staff, other workers, and the environment from lead hazards in these facilities.

1.1.1 Fig. 1 provides an overview of the major lead hazard identification and management program elements.

1.1.2 Fig. 2 provides an outline of the lead hazard identification and management program process.

1.2 Limitations:

1.2.1 This provisional guide does not apply to facilities that are not likely to be occupied or visited by children under six, or by pregnant women. It does not apply to occupational exposures other than those resulting from maintenance, cleaning, lead hazard control work, and other renovation and repair work that generates lead hazards.

1.2.2 This guide is based on federal and national standards and guidelines that may be different from applicable state and local regulations. It does not, however, comprehensively address OSHA, EPA, or DOT requirements. It may not protect all users, or occupants, visitors, staff, other workers, and the environment affected by their facilities from lead hazards. Users must comply with applicable laws and regulations and modify the guidance provided by this guide accordingly. The user is advised to adopt the most stringent version of each requirement among federal, state, and local regulations.

1.3 Execution of work discussed or recommended in this guide may cause exposure to construction safety and health hazards, to health hazards from lead in paint, dust, and bare soil, and to health hazards from products and methods associated with lead hazard control. *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to*

establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2. Referenced Documents

2.1 These documents are subject to periodic updating and other revisions. It is the responsibility of the user to ensure that the version of each document used is current.

2.2 ASTM Standards:

D 3559 Test Method for Lead in Water²

D 4309 Practice for Sample Digestion Using Closed Vessel Microwave Heating Technique for Determination of Total Metals in Water²

D 4840 Guide for Sampling Chain-of-Custody Procedures²

D 5438 Collection of Floor Dust for Chemical Analysis³

D 5463 Guide for Use of Test Kits to Measure Inorganic Constituents in Water²

E 631 Terminology of Building Constructions⁴

E 1480 Terminology of Facility Management (Building-Related)⁴

E 1553 Practice for Collection of Airborne Particulate Lead During Abatement and Construction Activities⁴

E 1583 Practice for Evaluating Laboratories Engaged in the Determination of Lead in Paint, Dust, Airborne Particulates, and Soil Taken From and Around Buildings and Related Structures⁴

E 1605 Terminology Relating to Abatement of Hazards from Lead-Based Paint in Buildings and Related Structures⁴

E 1613 Test Method for the Analysis of Digested Samples for Lead by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES), Flame Atomic Absorption (FAAS), or Graphite Furnace Atomic Absorption (GFAAS) Techniques⁴

E 1644 Practice for Hot Plate Digestion of Dust Wipe Samples for the Determination of Lead by Atomic Spectrometry⁴

E 1645 Practice for the Preparation of Dried Paint Samples for Subsequent Lead Analysis by Atomic Spectrometry⁴

¹ This guide is under the jurisdiction of ASTM Committee E06 on Performance of Buildings and is the direct responsibility of Subcommittee E06.23 on Abatement of Hazards from Lead in Buildings and Related Structures.

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² *Annual Book of ASTM Standards*, Vol 11.01.

³ *Annual Book of ASTM Standards*, Vol 11.03.

⁴ *Annual Book of ASTM Standards*, Vol 04.11.