



Standard Guide for Conducting Lead Hazard Assessments of Residential Housing and Other Properties Frequented by Children¹

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1. Scope

1.1 This guide describes how to conduct, document and report findings of a lead hazard assessment in residential dwellings and other buildings and related areas known to contain, or are suspected to contain, lead hazards. Lead hazard assessments are intended to be conducted by certified risk assessors. This guide is applicable for use in either occupied or unoccupied properties. The use of this guide to produce accurate results is dependent on the training, experience, and knowledge of the risk assessor conducting the lead hazard assessment. Use of the procedures in this guide, when supplemented by the evaluation and recommendation process that determines action plans for controlling assessed lead hazards, provides for the conduct of a lead risk assessment (see Note 1).

NOTE 1—A lead risk assessment, as defined by Federal regulation (40CFR745.227(d)), includes, as part of the reporting process, a description of interim controls and abatement options for each identified lead hazard and a suggested prioritization for addressing each hazard. This guide provides for the identification of lead hazards and the prioritization for addressing each hazard guidance on the determination of appropriate interim controls and abatement options for each identified lead hazard is beyond the scope of this guide and is included in a companion standard. Guidance on the determination of appropriate interim controls and abatement options for each identified lead hazard is beyond the scope of this guide and is the subject of a standard under development by E06.23.

1.2 This guide is insufficient as the sole means to determine causes of lead poisoning in young children having an elevated blood lead level (EBL). In these cases, procedures including investigation of the total living environment of the child and a pediatric medical evaluation is needed. Reference should be made to *Preventing Childhood Lead Poisoning* (CDC, 1991), the *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* (HUD, 1997), and *Screening Young Children for Lead Poisoning* (CDC, 1997).

1.3 The values stated in SI units are to be regarded as the standard.

1.4 *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.

1.5 This guide contains notes, which are explanatory, and are not part of the mandatory requirements of this guide.

2. Referenced Documents

2.1 Wherever the requirements of a reference document or applicable regulation differ from the requirements presented in this guide the more stringent of the two shall be used.

2.2 ASTM Standards:

E 1583 Practice for Evaluating Laboratories Engaged in the Determination of Lead in Paint, Dust, Airborne Particulate, and Soil in and Around Buildings and Related Structures²

E 1605 Terminology Relating to Abatement of Hazards from Lead-Based Paint in Buildings and Related Structures³

E 1613 Test Method for 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) Techniques³

E 1644 Practice for Hot Plate Digestion of Dust Wipe Samples for the Determination of Lead by Atomic Spectrometry³

E 1645 Practice for Preparation of Dried Paint Samples for Subsequent Lead Analysis by Atomic Spectrometry³

E 1726 Practice for The Sample Digestion of Soils for the Determination of Lead by Atomic Spectrometry³

E 1727 Practice for Field Collection of Soil Samples for Lead Determination by Atomic Spectrometry Techniques³

E 1728 Practice for Field Collection of Settled Dust Samples Using Wipe Sampling Methods for Lead Determination by Atomic Spectrometry Techniques³

E 1729 Practice for Field Collection of Dried Paint Samples for Lead Determination by Atomic Spectrometry Techniques³

E 1792 Specification for Wipe Sampling Materials for Lead in Surface Dust³

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 Discontinued. See 1997 *Annual Book of ASTM Standards*, Vol . . .

³ *Annual Book of ASTM Standards*, Vol 04.11.