



Designation: D 5658 – 95

Standard Practice for Sampling Unconsolidated Waste From Trucks¹

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1. Scope

1.1 This practice covers several methods for collecting waste samples from trucks. These methods are adapted specifically for sampling unconsolidated solid wastes in bulk loads using several types of sampling equipment.

1.2 *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.* See Section 6 for specific precautionary statements.

2. Referenced Documents

2.1 ASTM Standards:

- D 4687 Guide for General Planning of Waste Sampling²
- D 4700 Guide for Soil Sampling from the Vadose Zone³
- D 5088 Practice for Decontamination of Field Equipment Used at Non-radioactive Waste Sites⁴
- D 5283 Practice for Generation of Environmental Data Related to Waste Management Activities: Quality Assurance and Quality Control Planning and Implementation²
- D 5633 Practice for Sampling with a Scoop²

3. Terminology

3.1 Descriptions of Terms Specific to This Standard:

3.1.1 *authoritative sampling*—a sample selected without regard to randomization.

3.1.2 *paperwork*—all required documentation, which may include manifests, waste profiles, sample labels, site forms, etc.

3.1.3 *screening analysis*—a preliminary qualitative or semi-quantitative test that is designed to give the user rapid and specific information about a waste that will aid in determining waste identification, process compatibility, and safety in handling.

3.1.4 *unconsolidated*—for solid material, the characteristic of being uncemented or uncompacted, or both, and easily separated into smaller particles.

3.1.5 *waste profile*—specific information about the waste including its properties and composition, chemical constitu-

ents, waste codes, transportation information, etc.

3.1.6 *work plan*—a plan specific to a particular site, for conducting activities specified in the plan.

4. Summary of Practice

4.1 The truck and its contents are inspected and appropriate sampling equipment is selected. A clean sampling device is then used to scoop, core, or auger into the waste material. The sample or samples are collected and transferred to a sample container. The sampling device is then cleaned and decontaminated or disposed of.

5. Significance and Use

5.1 This practice is intended for use in the waste management industries to collect samples of unconsolidated waste from trucks. The sampling procedures described are general and should be used in conjunction with a site-specific work plan.

5.2 The purpose of collecting waste samples directly from a truck (rather than the waste source) is to verify (usually with screening analyses) that the waste contained in the truck is the same or similar material from a waste source that has been previously characterized and approved for treatment or disposal, or both.

6. Safety Precautions

6.1 Safety precautions must always be observed when sampling waste. The work plan must include a Worker Health and Safety section, because there are potential hazards associated with working around trucks as well as their potentially hazardous contents.

6.2 Truck sampling should be conducted from a properly designed platform to allow the sampler to safely access the truck bed with a minimum of difficulty.

7. Sampling Design

7.1 Truck sampling can be conducted for many different purposes. It is important that the purpose be integrated into the sample design. If the purpose of sampling is to characterize the waste, the sample should be collected from the waste source during the loading or unloading of the truck. This allows access to all portions of the material in the truck. If the purpose is to determine if the material in the truck conforms to a waste profile (that is, waste material that has previously been characterized), then a less rigorous sampling approach can be used. Because of the difficulties of sampling the material in the truck

¹ This practice is under the jurisdiction of ASTM Committee D34 on Waste Management and is the direct responsibility of Subcommittee D34.01.02 on Monitoring.

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² *Annual Book of ASTM Standards*, Vol 11.04.

³ *Annual Book of ASTM Standards*, Vol 04.08.

⁴ *Annual Book of ASTM Standards*, Vol 04.09.