

Tex-733-I, Sampling Fly Ash

Contents:

Section 1 — Overview.....	2
Section 2 — Sampling Information.....	3
Section 3 — Apparatus.....	4
Section 4 — Procedures.....	5
Section 5 — Tagging/Labeling, Documenting, and Shipping.....	7

Section 1

Overview

Effective dates: August 1999–February 2008.

This method outlines the procedure for sampling fly ash.

Units of Measurement

The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

Section 2
Sampling Information

An authorized representative of TxDOT shall select samples.

A sample shall consist of approximately 4 L (1 gal.) of fly ash.

Section 3

Apparatus

The following apparatus is required:

- ◆ 4 L (1 gal.) friction top cans.

Section 4 Procedures

Prequalification Sampling

Use the following procedure for prequalification sampling.

Prequalification Sampling	
Step	Action
1	Take a minimum of one sample each week for a minimum of five weeks. NOTE: Vary the day of the week and time of day samples are taken.
2	Identify samples with: <ul style="list-style-type: none"> ◆ name of supplier ◆ location of power plant ◆ coal origin ◆ production procedure ◆ storage unit identification ◆ day of week and hour of day the sample was taken ◆ sequence number of the five prequalification samples ◆ identification as Prequalification Sample.

Quality Control Sampling

Use the following procedure for Quality Control sampling.

Quality Control Sampling	
Step	Action
1	Take a minimum of two samples per month from each approved storage unit at each approved source. NOTE: Sample each storage unit at the same location each month. EXAMPLE: If silo A is sampled at the bottom, then take all samples at the bottom of silo A.
2	Identify samples with: <ul style="list-style-type: none"> ◆ name of supplier ◆ location of power plant ◆ coal origin ◆ production procedure ◆ storage unit identification and sampling location ◆ date of sampling ◆ identification as Quality Control sample.

Project Sampling

NOTE: Project samples are not required. However, the engineer may sample when specific results are desired or when the quality of the fly ash is questionable.

Identify samples, if taken, with:

- name and location of approved source
- name of ready mix plant, if applicable
- storage unit or tanker, when applicable, and sampling location (bottom, top, etc.)
- sampling date
- project identification
- quantity represented, in kilograms (pounds).

Section 5

Tagging/Labeling, Documenting, and Shipping

Follow the 'General Requirements' as detailed in "Tagging/Labeling, Documenting, and Shipping General Requirements." In addition:

- ◆ include the information pertinent to material, prequalification, quality control, or project sample on [Form 202](#).