Test Procedure for

SAMPLING FLY ASH

TxDOT Designation: Tex-733-I

Effective Date: March 2008 – June 2023

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1. SCOPE

1.1 This test method outlines the procedure for sampling fly ash.

2. SAMPLING INFORMATION

2.1 An authorized Department representative must select samples.

2.2 A sample must consist of approximately 1 gal. of fly ash.

3. APPARATUS

3.1 *Friction top cans*, 1 gal.

4. PROCEDURES

4.1 *Pre-Qualification Sampling:*

4.1.1 Take a minimum of one sample each week for a minimum of 5 weeks.
Note 1—Vary the day of the week and time of day samples are taken.

4.1.2 Identify samples with:

- name of supplier,
- location of power plant,
- coal origin,
- production procedure,
- storage unit identification,
- day of the week and hour of the day the sample was taken,
- sequence number of the 5 pre-qualification samples, and
- identification as Pre-Qualification Sample.

4.2 *Quality Control Sampling:*

4.2.1 Take a minimum of 2 samples per month from each approved storage unit at each approved source.

Note 2—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.

4.2.2 Identify samples with:

- name of supplier,
- location of power plant,
- coal origin,
- production procedure,
- storage unit identification and sampling location, and
- date of sampling.

4.3 *Project Sampling:*

Note 3—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.

4.3.1 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, and
- quantity represented, in kilograms (pounds).

5. TAGGING/LABELING, DOCUMENTING, AND SHIPPING

5.1 Follow the procedures detailed in Tex-701-I.

5.2 Include the information pertinent to material, prequalification, quality control, or project sample on Form 202.

6. ARCHIVED VERSIONS

6.1 Archived versions are available.

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