

**STATE OF OHIO
DEPARTMENT OF TRANSPORTATION**

**SUPPLEMENT 1026 - FLY ASH CERTIFICATION
December 31, 2012**

1026.01 Scope

This supplement outlines the certification of Fly Ash. Fly Ash certification is the approval by the Department for projects to use Fly Ash meeting the requirements of 701 without being pre-sampled and tested.

1026.02 Procedure

1. The Distributor will initiate a request for certification by submitting to the Office of Materials Management:

- a) A letter of certification stating that the fly ash proposed for certification will meet current applicable ODOT specifications.
- b) Test data, developed over the last year, on the type of fly ash for which certification is sought.
 - i. Each class of fly ash and each facility must have separate certifications.
 - ii. Requirement may be waived if the Department currently has data on record.
- c) A copy of the facility's current CCRL inspection report.
- d) A ½ gallon sample
- e) A completed and notarized Form S-1026 warranting the State against costs involved in corrective action required due to inclusion of non-specification or non-certified Fly Ash into the work.

2. The Distributor, in requesting certification, agrees to:

- a) Submit monthly test data from the source facility to the Office of Materials Management.
The test data must be in tabular format, based on daily production. Submit the data in the form of an electronic Microsoft Excel or PDF file via email to designated Department representatives.
- b) Have the facility laboratory inspected each inspection tour by the Cement and Concrete Reference Laboratory, U.S. Bureau of Standards. Submit a copy of the CCRL report and documentation of corrected footnoted items to the Office of Materials Management
- c) Maintain, and provide upon request, records of production control tests for a period of five years.
- d) Submit a sample quarterly to the Office of Materials Management according to section 4 of this Supplement for fly ash produced.
- e) Notify the Office of Materials Management of changes of personnel, status.

3. The Office of Materials Management will approve the requested facility for certification upon review of data and completion of sample testing.

4. The Department will request samples from the fly ash source on a quarterly basis. Submit a split-sample from a daily QC sample of fly ash tested in the week of the request. The plant may choose

the day's production in that week from which to sample. Send the sample to the Office of Materials Management within two weeks. The Department may request additional samples as deemed necessary.

- a) Provide a ½ gallon sample
- b) Include facility Name/Location, Date of Production and Type of Fly Ash for each sample
- c) Send sample to:

Ohio Department of Transportation
Office of Materials Management
1600 West Broad Street
Columbus, OH 43223
Attention: Cement Section

At the Department's discretion, field samples may be taken at concrete plants and tested for conformance to the applicable specification requirements.

5. The Department will perform tests on the samples to assure compliance with the ASTM requirements and favorable comparison with the monthly submitted test data.

- a) If any two in a series of ten consecutive samples fail to meet the requirements or tolerances of the ASTM specifications, the material may be removed from certification.
- b) Appeals of the Department test results may be submitted to the Office of Materials Management within 15 days of notification. Indicate the reasons for the appeal and supporting data. The review will be at no cost to the Department.

6. Following certification:

- a) The Distributor must document each shipment of certified Fly Ash with a bill-of-lading that contain the statement:

"ODOT Certified Fly Ash in accordance with S 1026"

The bill-of-lading must also contain the following:

- i) Class of Fly Ash
- ii) Manufacturing Source: City & State
- iii) Shipping Origin: City, State Phone Number
- iv) Quantity
- v) Consignee and Destination
- vi) Bill-of-lading Number
- vii) Date

- b) Upon request, the Fly Ash facility or terminal will furnish an ODOT representative access to those parts of the facility or terminal engaged in the testing, storage, and shipment of Fly Ash produced for State projects.
- c) Failure to comply with the requirements of this supplement or failure to meet test standards may result in removal from certification. In addition, the Department may take action under 105.11.
- d) Fly Ash shipped after removal from certification must be sampled, tested and approved before use.

1026.03 Additional Requirements for Providing Chemically Treated Fly Ash with High LOI

1. The Distributor will update its original request for fly ash certification of 1026.02 to include Chemically Treated Fly ash with High LOI. The chemical treatment used for treating the high LOI fly ash will be a chemical material accepted under Supplement 1115. The updated request will include:

- a) The proposed chemically treated fly ash proposed for certification will meet all applicable ODOT specifications except LOI percent.
 - b) The Supplement 1115 chemical treatment to be used and dosage rate tested and required.
 - c) Test data developed over the last year on the class of fly ash for which certification is sought showing compliance with C618 and showing, in addition, at least monthly reporting of LOI
- 2 The Distributor, in requesting certification, agrees to:
- a) Submit monthly test data from the source facility to the Office of Materials Management.
- The test data must be in tabular format of the daily production showing compliance to ASTM C618. Test chemical and physical properties after application of chemical treatment. Submit the data in the form of an electronic Microsoft Excel or PDF file. Submit the data via email to designated Department representatives.
- 3 Following certification for Fly Ash with high LOI:
- a) The fly ash facility must document each shipment of certified fly ash with a bill-of-ladings that contain the statement:

"ODOT Certified Fly Ash" HIGH LOI - In accordance with S-1026.

The bill-of-lading must also contain the following:

- i) Class of fly ash
- ii) LOI of fly ash
- iii) Supplement 1115 chemical treatment used
 - a. Dosage
 - b. Date of treatment
 - c. Life of treatment
- iv) Manufacturing Source: City & State
- v) Shipping origin
- vi) Quantity
- vii) Consignee and destination
- viii) Bill-of-lading Number
- ix) Date

Form S-1026

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_____ herby requests the following types of Fly Ash to be
(Distributor's Name)
Certified according to the Ohio Department of Transportation Supplement 1026

Check one: Class C _____

Class F _____

Class C _____ High LOI with S 1115 Treatment

Class F _____ High LOI with S 1115 Treatment

The Distributor warrants the Ohio Department of Transportation against costs involved in corrective action required due to the inclusion of non-specification Fly Ash.

SOURCE DETAILS:

Source Name / Location: _____

Contact Person: _____

Phone _____ E-mail Address: _____

Physical Address _____ Mailing Address (If different) _____

Signature: _____ Date _____

Title _____

To be Notarized