

## **Wisconsin Department of Transportation Class F Fly Ash Approval Process**

Wisconsin Department of Transportation (WisDOT) requires approval for using class F fly ash that exceeds 15% cement replacement in concrete projects. This approval is subject to the requirements described below.

### **Class F Fly Ash Approval Process**

- Submit a description of the coal sources/types and blending percentages (with range of variability) that currently comprise the class F fly ash source.
- Submit a certified test report to [DOTProductSubmittal@dot.wi.gov](mailto:DOTProductSubmittal@dot.wi.gov) for the class F fly ash that includes the physical and chemical test data conforming to ASTM C618 per Standard Specifications (SS) 501.2.4.2.2. Vendors are responsible for the costs of sampling and testing.
- The testing laboratory/facility must participate in the Cement and Concrete Reference Laboratory (CCRL) accreditation/inspection program and the vendor shall provide a copy of the testing facility's current CCRL inspection report.
- Application submissions are due on August 1st of each year to be included on the WisDOT Approved Products List (APL) that will go into effect with the November letting of that year.

### **Department Verification Testing Program**

- By joining in the WisDOT APL, the vendor agrees to participate in the department verification testing.
- The verification testing program will include physical and chemical tests that must verify conformance to ASTM C618 and SS 501.2.4.2.2. Additional tests may also be performed by WisDOT as needed. The WisDOT project engineer shall obtain one 10-pound sample in accordance with AASHTO T127 or ASTM C183 that may be tested by WisDOT.
- If nonconformance is found, WisDOT will notify the vendor to resolve the discrepancy as quickly as possible. Continued approval of the product will depend on the verification of its test results with those of WisDOT's laboratory.

### **Compliance**

- To remain on the WisDOT APL, submit a copy of the certified ASTM C618 test report semiannually (August and February) to [DOTProductSubmittal@dot.wi.gov](mailto:DOTProductSubmittal@dot.wi.gov). Each submittal must contain the certified test reports for the past 6 months.
- At any time, WisDOT may request a sample of the class F fly ash to test for conformance and compare the results with the vendor test data. The verification testing sample will be taken by a WisDOT project engineer at the time of manufacture or time of discharge at the plant.

### **Non-Compliance**

- WisDOT will continue to regard this approval valid unless/until any of the following conditions arise:
  - A change in any of the primary sources of the coal used in production.
  - A change in the current coal blending ratio of greater than 5%.
  - A substantial change in the chemistry of the fly ash identified per ASTM C618.
  - Failure to submit semiannually certified ASTM C618 test report.
- Vendors are required as a condition of approval to inform WisDOT of any of the above conditions as soon as they become aware of them.

### **Correspondence**

If the name and/or address of the company's contact person for this correspondence has changed, or for any further questions/information, please contact via email at [DOTProductSubmittal@dot.wi.gov](mailto:DOTProductSubmittal@dot.wi.gov).

# **Fly Ash - Class F**

Date last edited: 06/14/2024

For use as cement replacement in portland cement concrete according to Std. Spec. 501.2.4

<u>Vendor</u>	<u>Plant Location</u>	<u>Date Approved</u>
Prairie State Energy	Marissa, IL	10/20/2016
WE Energies / LafargeHolcim	Elm Rd., Oak Creek, WI	6/8/2018

Contact:

[DOTProductSubmittal@dot.wi.gov](mailto:DOTProductSubmittal@dot.wi.gov)