



**Cement**

**FLY ASH TEST REPORT**

Analysis by: Lafarge Seattle Concrete Lab  
Sample from : Centralia Power Plant  
Average Analysis: April 2021  
Test Report Number 5-21 F CSA

**Chemical Analysis**

Silicon Dioxide (SiO <sub>2</sub> )	47.9 %
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	16.6 %
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	5.8 %
Sulphur Trioxide (SO <sub>3</sub> )	1.0 %
Calcium Oxide (CaO)	15 %
Magnesium Oxide	5.6 %
Moisture Content	0.15 %
Loss on Ignition	0.29 %
Total Alkalies as Equivalent Na <sub>2</sub> O	3.90 %

**Physical Analysis**

Fineness Retained on 45 um (No. 325 Sieve)	20.0 %
Strength Activity Index with Portland Cement	
% of Control at 28 Days ( <i>previous month's result</i> )	92% %
Water Requirement, Percent of Control	93 %
Autoclave Expansion	0.05 %
Density	2.64 Mg/m <sup>3</sup>

We hereby certify that the composite fly ash sample above meets the chemical and physical requirements of CAN/CSA A3001 for Type F Fly Ash.

Certified . \_\_\_\_\_

Rob Shogren  
Technical Director

**WESTERN REGION**

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