



**Cement**

**FLY ASH TEST REPORT**

Analysis by: Lafarge Seattle Concrete Lab  
Sample from : Centralia Power Plant  
Average Analysis: December 2024  
Test Report Number 1-25 F CSA

**Chemical Analysis**

		Limits
Silicon Dioxide (SiO <sub>2</sub> )	51.8 %	
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	18.0 %	
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	6.0 %	
Sulphur Trioxide (SO <sub>3</sub> )	0.9 %	
Calcium Oxide (CaO)	13.6 %	15% Max - CSA
Magnesium Oxide	4.0 %	
Moisture Content	0.18 %	
Loss on Ignition	0.36 %	
Total Alkalies as Equivalent Na <sub>2</sub> O	4.27 %	

**Physical Analysis**

Fineness Retained on 45 um (No. 325 Sieve)	14.3 %	34% Max - CSA
Strength Activity Index with Portland Cement		
% of Control at 28 Days ( <i>previous month's result</i> )	100 %	
Water Requirement, Percent of Control	91 %	
Density	2.60 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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