



### FLY ASH TEST REPORT

Analysis by: Amrize Seattle Concrete Lab  
Sample from : Centralia Power Plant  
Average Analysis: December 2025  
Test Report Number 1-26 F CSA

#### Chemical Analysis

		Limits
Silicon Dioxide (SiO <sub>2</sub> )	50.7 %	
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	17.9 %	
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	6.3 %	
Sulphur Trioxide (SO <sub>3</sub> )	0.8 %	
Calcium Oxide (CaO)	13.7 %	15% Max - CSA
Magnesium Oxide	3.8 %	
Moisture Content	0.15 %	
Loss on Ignition	0.31 %	
Total Alkalies as Equivalent Na <sub>2</sub> O	3.96 %	

#### Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	11.2 %	34% Max - CSA
Strength Activity Index with Portland Cement		
% of Control at 28 Days ( <i>previous month's result</i> )	102 %	
Water Requirement, Percent of Control	93 %	
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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