

#### Cement

# **FLY ASH TEST REPORT**

Analysis by: Lafarge Seattle Concrete Lab

Sample from : Centralia Power Plant

Average Analysis: October 2024 Test Report Number 11-24 F CSA

### **Chemical Analysis**

		Limits
Silicon Dioxide (SiO <sub>2</sub> )	<b>50.2</b> %	
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	17.9 %	
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	5.9 %	
Sulphur Trioxide (SO <sub>3</sub> )	1 %	
Calcium Oxide (CaO)	14.4 %	15% Max - CSA
Magnesium Oxide	4.5 %	
Moisture Content	0.1 %	
Loss on Ignition	0.28 %	
Total Alkalies as Equivalent Na <sub>2</sub> O	4.45 %	

# **Physical Analysis**

Fineness Retained on 45 um (No. 325 Sieve)	11.6	% 34% Max - CSA
Strength Activity Index with Portland Cement		
% of Control at 28 Days (previous month's result)	103	%
Water Requirement, Percent of Control	92	%
Density	2.61	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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