

Cement

FLY ASH TEST REPORT

Analysis by:Lafarge Seattle Concrete LabSample from :Centralia Power PlantAverage Analysis:March 2022Test Report Number4-22 F CSA

Chemical Analysis

		Limits
Silicon Dioxide (SiO ₂)	47.0 %	
Aluminum Oxide (Al ₂ O ₃)	17.5 %	
Iron Oxide (Fe ₂ O ₃)	6.5 %	
Sulphur Trioxide (SO ₃)	1.0 %	
Calcium Oxide (CaO)	14.9 %	15% Max - CSA
Magnesium Oxide	4.40 %	
Moisture Content	0.13 %	
Loss on Ignition	0.38 %	
Total Alkalies as Equivalent Na ₂ O	4.52 %	

Physical Analysis

Fineness Retained on 45 um (No. 325 Sieve)	14.8 %	34% Max - CSA
Strength Activity Index with Portland Cement		
% of Control at 28 Days (previous month's result)	104 %	
Water Requirement, Percent of Control	93 %	
Autoclave Expansion	0.02 %	
Density	2.66 Mg/m ³	i

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.

A.J. Shagen Certified .

Rob Shogren Technical Director

WESTERN REGION

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