

ASI Construction LLC  
Oglala Dam, Oglala SD

Generator: Cummins C500D6RE  
Rating Type: PRIME 500 kW  
Hours of Operation 8760 Hr

Pollutant	*Emissions Factor g/hp-hr	**Emissions Factor g/kw-hr	***Actual Emissions	
			g/kW-Hr x kW / 454 = lb/hr	
			lb/hr	tpy
NOx	0.500	0.671	1.071	4.690
CO	2.600	3.487	5.568	24.387
NMHC/VOC	0.140	0.188	0.300	1.313
PM	0.020	0.027	0.043	0.188
PM10	0.020	0.027	0.043	0.188
PM2.5	0.020	0.027	0.043	0.188

\* Emission Factors provided by Cummins Emissions Compliance Statement (document EPA-2057.pdf)

\*\* Emission Factor g/hp-hr \* 1.341 = g/kW-hr

\*\*\* Actual Emissions = g/kW-hr x kW /454 = lb/hr x Hours of Operations / 2000 lbs/ton = tpy

+Values provided in Request for Coverage		
Pollutant	Calculated Emissions	
	lb/hp-hr	TPY
NOx	0.024	79.37
CO	5.50E-03	18.19
HC/VOC	7.05E-04	2.33
PM	0.0007	2.31
PM10	0.0007	2.31
PM2.5	0.0007	2.31
SO2	1.21E-05	0.04
HAP	3.00E-05	0.0991

+ Values from Concrete\_Batch\_Plant\_pte\_Calculator\_Version\_1.0\_R2.xlsx  
Calculation from Non-Emergency Engine Tab Diesel Engine >600 HP