

DPM Idling Emissions Data

Exhaust Temp	885 F		
Stack Diameter	8 in		
Height	16.25 ft		
Flow Rate	4410 cfm	at	1800 RPM
Idle Flow Rate	1960 cfm	at	800 RPM
Idle Flow Rate	55507.2 l/min	at	800 RPM
DPM Emission Rate	0.07 g/bhp-hr		
Idle Power	67 bhp		
Idle Time/pass	15 min		
Pass/day-train	1 each way of travel		
trains/day	6 round trip		
daily idle hrs	1.5 hrs/day		
day/yr	312 6 days/week		
annual idling time	468 idle hr/yr		
DPM Idling Emissions/yr	2194.92 g/yr		
DPM Idling Emissions/sec	6.96E-05 g/s (annualized)		

**DPM Model Results
Idling Trains**

Run #	File Name	Max Result ($\mu\text{g}/\text{m}^3$)	X (m)	Y (m)	Distance From Train (ft)	Calculated Risk (per million)
1	NCRA_SR03-300_DPM_IDLE_ANN	0.00649	0	150	492	1.947