

Calculation of Effective Stack Height

	<u>Existing Stack</u>
H (m):	11.50
Uact (m):	
Ueff (m):	<u>11.50</u>

Calculation of Process Contribution / Comparison with AQS @ ELV of 5mg/m3

<u>Pollutant</u>	<u>Stack Height</u>	<u>Stack Gas Discharge Temp (oK)</u>	<u>Actual Release Conc Referene 3% O2 Dry (mg/m3)</u>	<u>Stack Gas Volumetric Flow Rate at Stack STP O2 Corrected (m3/s)</u>	<u>Discharge Rate (g/s)</u>	<u>Effective Stack Height (m)</u>	<u>Dispersion Factor (µg/m3/g/s)</u>		<u>Process Contribution (PCair) (µg/m3)</u>	
							<u>Long-term</u>	<u>Short-term</u>	<u>Long-term g/s</u>	<u>Short-term LT g/s</u>
CO	11.50	895	571.990	0.650	0.359	11.50	27.9	517.2	10.02	185.67

<u>Pollutant</u>	<u>Max PC (µg/m3) @ 24/7 Operation</u>	<u>AQS</u>	<u>PC as a % of AQS</u>
CO (100th Percentile) - 8hr	129.97	10000	1.30%