

S02 - GENERAL SLUDGE PROCESSING - AFTER CONTROLS

CALCULATION METHODS

$E_a = U_a \text{ (lbs/year)} \times EF \text{ (lbs/lbs sludge)}$

$E_h = U_h \text{ (lbs/hour)} \times EF \text{ (lbs/lbs sludge)}$

NOTES:

- Emission factors are based on site specific source test data obtained on 1991 and 1993.
- Emission factors are determined after controls.

Pollutant	District Emission Factor (lbs/ton sludge produced)	Reference Document	EPA Factor	Units	Comments
TOG	0.69	Emission Testing of Two Water Scrubbers		lbs/ton	
VOC	0.07	Emission Testing of Two Water Scrubbers		lbs/ton	Assume 80% Control Efficiency.
Ammonia	0.084	Emission Testing of Two Water Scrubbers		lbs/ton	Assume 80% Control Efficiency.
Benzene	0.0000812	Emission Testing of Two Water Scrubbers		lbs/ton	
Ethylene Dichloride	0.000149	Emission Testing of Two Water Scrubbers		lbs/ton	
Hydrogen Sulfide	0.000686	Emission Testing of Two Water Scrubbers		lbs/ton	Assume 99% Control Efficiency.
Methylene Chloride	0.000184	Emission Testing of Two Water Scrubbers		lbs/ton	
Sodium Hydroxide	0.0000872	Emission Testing of Two Water Scrubbers		lbs/ton	
Toluene	0.00115	Emission Testing of Two Water Scrubbers		lbs/ton	
Xylenes (mixed)	0.000194	Emission Testing of Two Water Scrubbers		lbs/ton	

Last Updated on 04/19/2203 (S02)
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