

S01-ENCINA SLUDGE PROCESSING - AFTER HYDROGEN SULFIDE CONTROLS**CALCULATION METHODS**

Ea = Ua (lbs/year) x EF (lbs/lbs sludge)

Eh = Uh (lbs/hour)x EF (lbs/lbs sludge)

NOTES:

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

- Assume hydrogen sulfide is controlled by 99%.

- Emission factors are determined after controls.

Pollutant	District Emission Factor (lbs/ton sludge produced)	Reference Document	EPA Factor	Units	Comments
TOG	3.44	Emission Testing of Two Water Scrubbers		lbs/ton	
VOC	0.344	Emission Testing of Two Water Scrubbers		lbs/ton	
Ammonia	0.402	Emission Testing of Two Water Scrubbers		lbs/ton	
Benzene	0.000406	Emission Testing of Two Water Scrubbers		lbs/ton	
Ethylene Dichloride	0.000744	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	0.000922	Emission Testing of Two Water Scrubbers		lbs/ton	
Sodium Hydroxide	0.0000872	Emission Testing of Two Water Scrubbers		lbs/ton	
Toluene	0.00576	Emission Testing of Two Water Scrubbers		lbs/ton	
Xylenes (mixed)	0.00097	Emission Testing of Two Water Scrubbers		lbs/ton	

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