



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 AIR POLLUTION CONTROL PROGRAM
EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ
FORM 2.8 STORAGE PILE WORKSHEET

FACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA
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1. STORAGE PILE INFORMATION

EMISSION UNIT NO.	SOURCE CLASSIFICATION CODE (SCC)	SEG. NO.	TYPE OF MATERIAL STORED
	ACTIVITY		
	WIND EROSION		
MOISTURE CONTENT (%) (DEFAULT = 0.7%)	AREA OF STORAGE PILE (ACRES)		
SILT CONTENT(%) (DEFAULT = 1.6%)	RAW MATERIAL LOADING METHOD (CHECK ONE):	RAW MATERIAL UNLOADING METHOD (CHECK ONE):	
STORAGE DURATION (DAYS)	<input type="checkbox"/> Barge	<input type="checkbox"/> Barge	
	<input type="checkbox"/> Rail	<input type="checkbox"/> Rail	
	<input type="checkbox"/> Truck	<input type="checkbox"/> Truck	
	<input type="checkbox"/> Conveyor	<input type="checkbox"/> Conveyor	
	<input type="checkbox"/> Other (specify)	<input type="checkbox"/> Other (specify)	
ANNUAL AMOUNT STORED (TONS)	_____	_____	
MAXIMUM HOURLY AMOUNT STORED (TONS)	_____	_____	

2. OTHER FACTORS AFFECTING EMISSION RATES

MEAN WIND SPEED (MPH) (DEFAULT = 10 MPH)	% OF TIME WIND > 12 MPH (DEFAULT = 32%)
DRY DAYS PER YEAR (DEFAULT = 260 DAYS)	VEHICLE ACTIVITY FACTOR (DEFAULT = 1.0)

4. STORAGE PILE EMISSION FACTOR CALCULATIONS

CALCULATION	FORMULA	RESULT
[3-A-1] Load In - Load Out Component (lb./ton)	$0.0032 \times .35 \times (\text{Mean wind speed} / 5)^{1.3} / (\text{Moisture content} \% / 2)^{1.4}$	
[3-A-2] Vehicle Activity Component (lb./ton)	$0.05 \times (\text{Silt content} \% / 1.5) \times (\text{Dry days per year} / 235) \times \text{Vehicle Activity Factor}$	
[3-A-3] Activity PM10 Emission Factor (lb./ton)	[3-A-1] Load In - Load Out Component + [3-A-2] Vehicle Activity Component	
[3-B] Wind Erosion PM10 Emission Factor (lb./acre-yr.)	$0.85 \times (\text{Silt content} \% / 1.5) \times (\text{Storage duration (Days)}) \times (\text{Dry days per year} / 235) \times (\% \text{ of time wind} > 12 \text{ MPH} / 15)$	

NOTE

If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.