



EMISSIONS INVENTORY INFORMATION
For Inventory Year - 2011
ROCK AND SAND PROCESSING PLANTS

Company Name _____ **Contact Initials** _____

Please fill in all spaces, and retain a copy for your records.

A. Report total throughput for the emissions year.

1.	Raw material throughput	tons/year
2.	Primary crushing/screening throughput	tons/year
3.	Average moisture content	%

B. Estimate your emissions:

1. Write the number of each type of device at your facility in Column A. Enter "0", if you do not use a particular device. Add additional non-mobile equipment used on site in the space provided. **This step is not optional.**
2. Enter throughput from lines (1) or (2) into Col. C, as instructed in Col. B.
3. Estimate the control factor; see *Controls* below.
4. Multiply Col. C times Col. D times Col. E to get PM emissions and enter in Col. F.
5. Multiply Col. C times Col. D times Col. G to get PM-10 and enter in Col. H.
6. Add Col. F and H to get the estimated total pounds per year emitted.

	A	B	C	D	E	F	G	H
Device	#	Material	Throughput	Control factor	*PM E.F.	Emissions (lb/year)	*PM-10 E.F.	Emissions (lb/year)
Screening		Raw, (1)			0.0150		0.01500	
Crushing		Crush/screen, (2)			0.0007		0.00070	
Conveying		Crush/screen, (2)			0.0014		0.00140	
Pile formation		Crush/screen, (2)			0.1300		0.06000	
Storage piles / wind erosion		Crush/screen, (2)			0.0158		0.00757	
Loading		Crush/screen, (2)			0.0001		0.00010	
Totals								

Controls

Control devices include baghouses, cyclones, spray systems, or other dust suppression devices.

List all air pollution control devices. Indicate where each device is used below.

Estimate the control efficiency for each device.

Calculate the control factor and enter it into Col. C. Enter "1" for no controls.

$$\text{Control factor} = \frac{100 - \% \text{ efficiency}}{100}$$

Example: A baghouse has 95% control efficiency.

$$\text{Control factor} = \frac{100 - 95}{100} = 0.05$$

List devices, where used, and percent efficiency.

*If alternative emission factors are used, provide complete documentation to justify their use.