

Barton Malow Company -  
dha Ullium Cells / Nighosky  
Portable Rock Crushing &  
Sizing Operations  
with Wet Suppression  
Control

Permit No. 079446/ Facility ID: 60-0361-01

There are three independent All the Units are  
Operations at this facility: Portable, subject  
Sources #1, #2, and #3 to NSPS Subpart  
OOO

The emission factors are from  
EPA AP-42, Table 11.19.2-2,  
Emission Factors for Crushed  
Stone Processing Operations  
(lb/ton) (Revised 8/2004).

Fugitive PM Emissions	Emission Factor lb/ton	Actual - lb/hr	Actual Tons/yr	Potential Tons/yr
Two Crushers	0.0012(each)	0.96	4.2	4.2
Screen	0.0022	0.88	3.85	3.85
Three Stackers	0.0030 (each)	3.6	15.76	15.76
Total	N/A	5.44	23.81	23.81

Fugitive PM Emissions:

Allowable PM Emissions: PWR- 400 t/yr  
Allowable per TAPCR 1200-03-07-.03(1) Table 2  
17.31 (P) 0.16 = 45.14 lb/hr TAPCR 1200-03-07-.03(1)  
198.00 tons/year

"Non-Road Engines"

All the Portable Crushers and Screen units are self-propelled, and the engines that power the units serve a dual purpose by both propelling itself and powering the operation of the units. The engines are an integral part of the mobile units and meet the definition of "non-road engine" in accordance with 40 CFR Part 1060, Subpart A, Applicability and Miscellaneous Provisions under General Compliance Provisions for Highway, Stationary, and Non-road Engines. The engine is not subject to 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Source #1:

Portable #50 Jaw Crusher #1 (350 HP Diesel engine)	Portable #44 Impact Crusher #1 (360 HP Diesel engine)
Portable R230 Screen #1 (225 HP Diesel engine)	Portable BOST Stacker #1 (74 HP Diesel engine)
Portable BOST Stacker #2 (74 HP Diesel engine)	Portable BOST Stacker #3 (74 HP Diesel engine)

Allowable Fugitive PM	lb/hr	tons/year		
Total	45.14	33.85*		

\*Construction permit application stated the yearly Production rate is 600,000 tons per year