Source: **Phelps Dodge Morenci, Inc., dba Freeport McMoran Copper & Gold-Morenci**

Minor Permit Revision # 46398

Process Description	Capacity	Basis	Emission Factor		Control Efficiency	Emission			
		Refer Note #	PM	PM_{10}		PM	PM_{10}	PM	PM_{10}
	TPH		lb/ton		%	lb/hour		ton/year	
Scalping Screen Loading Stockpile	400	1	0.00172	0.000816	90	0.0688	0.03264	0.30	0.14
Scalping Grizzly	400	2	0.0022	0.00074		0.88	0.296	3.85	1.30
Primary Crusher	300	2	0.0012	0.00054		0.36	0.162	1.58	0.71
Primary Crusher to Conveyor #1	300	2	0.00014	0.000046		0.042	0.0138	0.18	0.06
Scalping screen to Conveyor #1	100	2	0.00014	0.000046		0.014	0.0046	0.06	0.02
Conveyor #6 to Conveyor #1	100	2	0.00014	0.000046		0.014	0.0046	0.06	0.02
Conveyor #1 to Triple Deck Screen	500	2	0.00014	0.000046		0.07	0.023	0.31	0.10
Triple Deck Screen to Conveyor #4	100	2	0.0022	0.00074		0.22	0.074	0.96	0.32
Conveyor #4 to Conveyor #5	100	2	0.00014	0.000046		0.014	0.0046	0.06	0.02
Conveyor #5 to Cone crusher	100	2	0.00014	0.000046		0.014	0.0046	0.06	0.02
Cone crusher	100	2	0.0012	0.00054		0.12	0.054	0.53	0.24
Cone crusher to conveyor #6	100	2	0.00014	0.000046		0.014	0.0046	0.06	0.02
Triple Deck Screen to Conveyor #3	100	2	0.0022	0.00074		0.22	0.074	0.96	0.32
Triple Deck Screen to Conveyor #2	300	2	0.0022	0.00074		0.66	0.222	2.89	0.97
Conveyor #2 to stockpile #2	300	1	0.00172	0.000816	90	0.0516	0.02448	0.23	0.11
Conveyor #3 to stockpile #3	100	1	0.00172	0.000816	90	0.0172	0.00816	0.08	0.04
								12.17	4.41

Notes 1 Emission factors calculated by using Equation (1) from Section 13.2.4; Aggregate Handling and Storage Piles, AP-42, Fifth Edition.

2 Emission factors taken from Table 11.19.2.2, Section 11.19.2; Crushed Stone Processing and Pulverized Mineral Processing, AP-42, Fifth Edition