Attachment 7.

EMISSIONS DESCRIPTION

A spreadsheet showing calculated facility-wide emissions is provided in Appendix A.

4.5.1 Source Code List

Emissions units ER-4 through ER-10, ER-16, and ER-21 are no longer in operation at the facility due to changing to a new phosphoric acid process in 2001 that does not require calcined ore. At the request of the permittee, these emissions units are not included in the permit.

Table 4.5.1 SOURCE CODE LIST

Emissions unit	Source Code	Source Name	Location
ER-1	F-Oa-1	Ore unloading and transfer	North end of facility
ER-2	F-Ob-1	Ore transfer to Wash Plant	North end of facility
ER-3	S-W-1	Wash Plant	Wash Plant
~~ER-4~~	~~S-D-1~~	~~Rock Dryer~~	~~Dryer, Wash Plant, N. Calc. Building~~
~~ER-5~~	~~S-Cb-1~~	~~North Calciner~~	~~Dryer, Wash Plant, N. Calc. Building~~
~~ER-6~~	~~S-Ca-1~~	~~#4 Calciner~~	~~#4 Calciner~~
~~ER-7~~	~~F-Oc-1~~	~~#4 Calciner Feed~~	~~North end of Facility~~
~~ER-8~~	~~F-Oc-2~~	~~North Calciner Feed~~	~~Dryer, Wash Plant, N. Calc. Building~~
~~ER-9~~	~~F-Cc-1~~	~~Calcined Ore Transfer~~	~~North end of Facility~~
~~ER-10~~	~~S-B-1; S-B-2~~	~~Ball Mill(s) #1 & #2~~	~~Ball Mill~~
ER-11	S-Fa-1, 2, & 3	Granulation Plant	Granulation Plant
ER-12	F-Fb-1 & 2,F-Fc-1	Dry product transfer and loadout	Shipping Warehouse
ER-13	S-Pb-1	Super acid filtration	Superphosphoric Acid Plant
ER-14	S-Se-1	East Sulfuric Acid Plant	East Sulfuric Acid Plant
ER-15	S-Nb-1	B-5 Nebraska boiler	North Sulfuric Acid Plant
~~ER-16~~	~~S-Cd-1~~	~~Ground Rock Silo~~	~~Phos. Acid~~
ER-17	S-Pa-1	Phosphoric Acid Plant	Phosphoric Acid Plant
ER-18	S-Si-1	Experimental Silica Plant	Experimental Silica Plant
ER-19	F-R-1	Fugitive road dust	Facility
ER-20	S-Pa-2a & 2b	Thermal fluid heaters	Phosphoric Acid Plant
~~ER-21~~	~~S-C-1~~	~~Coal Combustion in Calciners~~	~~#4 Calciner or N. Calciner~~
ER-22	F-Op-1	Fugitive dust from ore piles	North end of facility
ER-23	F-Fc-1	Dry product sizing and transfer	Granulation/Dry Product Warehouse
ER-24	N-G-1	Natural gas usage	Facility-wide and B-5 boiler
ER-25	S-Pp-1	Purified Phosphoric Acid Plant	Purified Phosphoric Acid Plant
ER-26	S-CB-1	Cleaver-Brooks boiler	Purified Phosphoric Acid Plant

Supplement A to Section III

Source Code List

Emission Reference unit #	Source Code	Source Name	Location
ER-1	F-Oa-1	Ore unloading and transfer	North end of Facility
ER-2	F-Ob-1	Ore transfer to Wash Plant	North end of Facility
ER-3	S-W-1	Wash Plant	Dryer, Wash Plant, N. Calciner building
ER-4	S-D-1	Rock Dryer	Dryer, Wash Plant, N. Calciner building
ER-5	S-Cb-1	North Calciner	Dryer, Wash Plant, N. Calciner building
ER-6	S-Ca-1	#4 Calciner	#4 Calciner
ER-7	F-Oc-1	#4 Calciner Feed	North end of Facility
ER-8	F-Oc-2	North Calciner Feed	Dryer, Wash Plant, N. Calciner building
ER-9	F-Cc-1	Calcined Ore Transfer	North end of Facility
ER-10	S-B-1; S-B-2	Ball Mill(s) #1 & #2	Ball Mill
ER-11	S-Fa-1, 2, & 3	DAP Plant	D.A.P.
ER-12	F-Fb-1 & 2	Dry Fertilizer Loadout	"Shipping Bldg."
ER-13	S-Pb-1	Super Acid Filtration	SPA
ER-14	S-Se-1	East Sulfuric Acid Plant	E. Sulfuric
ER-15	S-Nb-1	"B-5" Nebraska Boiler	N. Sulfuric
ER-16	S-Cd-1	Ground Rock Silo	Phos. Acid
ER-17	S-Pa-1	Phosphoric Acid Plant	Phos. Acid
ER-18	S-Si-1	Experimental Silica Plant	Silica
ER-19	F-R-1	Fugitive Road Dust	Facility
ER-20	S-Pa-2a & 2b	Thermal Fluid Heaters	Phos. Acid
ER-21	S-C-1	Coal Combustion in Calciners	#4 Calciner or N. Calciner
ER-22	F-Op-1	Fugitive Dust from Ore Piles	North end of Facility
ER-23	F-Fc-1	Dry Product Sizing and Transfer	D.A.P.
ER-24	N-G-1	Natural Gas Usage	Plant-wide