

from DER package

PERMITTED EMISSIONS

<u>Unit</u>	<u>Particulate</u>	<u>Fluoride</u>
<del>No. 2 Phos Acid*</del>	-	1.17
<del>No. 2 Filter Bldg*</del>	-	0.48
<del>No. 3 Filter Bldg*</del>	-	1.17
No. 3 Phos Acid	-	0.94
<del>No. 7 Concentrator*</del>	<del>15.0</del>	<del>1.64</del>
<del>No. 8 Concentrator*</del>	<del>15.0</del>	<del>1.64</del>
72 BPL Mills	3.0	-
No. 3 CTM Belt	5.25	1.89
No. 3 CTM Dryer	8.25	3.46
No. 4 CTM Belt	5.25	1.89
No. 4 CTM Dryer	8.25	3.46
GTSP	19.5	3.45
<del>No. 1 Di-Mon*</del>	5.4	0.59
<del>No. 2 Di-Mon*</del>	5.4	0.59
No. 3 Di-Mon	5.4	0.59
No. 4 Di-Mon	5.4	0.59
<del>North Di-Mon Cooler*</del>	21.6	0.59
South Di-Mon Cooler	21.6	0.59
No. 5 Di-Mon	10.0	1.4
<del>No. 2 Airslide*</del> } <i>shut down</i>	1.4	-
<del>No. 3 Airslide</del> } <i>shut down</i>	1.4	-
6, 7, 8, & <u>10</u> Mills <i>shut down 6, 7 + 8</i>	4.4	-
<del>KVS <u>11</u> Mill*</del>	1.3	-
<del>KVS <u>12</u> Mill</del>	2.1	-
Sizing Unit	20.0	0.72
<del>68 BPL Unloading</del> <i>shut down</i>	3.3	-
TOTALS (Less #5 DAP)	<u>172.3</u>	<u>25.45</u> <i>EXCEPT NO 5 DAP + 1.4 = 26.85</i>
TOTALS (With #5 DAP, less those units not operating)	<u>107.2</u>	<u>17.68</u>
TOTALS (With No. 5 DAP, less #1 & 2 Di-Mon)	<u>149.9</u>	<u>25.08</u>

\*Units not operating.

~~Normal Sizing Unit - shut down~~ 3.5 0.5

Jan 11 + 12

Jan 13 - no #1 + 2 DAP or remain shut down + North DAP cooler

~~At 7 - not to start if ... in full production~~

<u>Unit</u>	<u>Old Permit No.</u>	<u>Air Flow</u>	<u>Temp</u>	<u>Stack Velocity</u>	<u>Stack Height</u>	<u>Emission Rate</u>
68 BPL Rock Unloading	A029-22142	12,800 ACFM	100°F	97.7 ft/min	30'	0.9 lb/hr
6, 7, 8, 10 68 BPL Rock Mills	A029-22139	18,000 ACFM	150°F	61.1 ft/min	95'	0.5 lb/hr
No. 11 KVS Mill	A029-22140	5,300 ACFM	145°F	43.9 ft/min	70'	2.0*lb/hr
No. 12 KVS Mill	A029-22141	8,500 ACFM	149°F	70.4 ft/min	71'	0.4 lb/hr

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Total 3.8 lb/hr

TABLE 1  
PROJECT DESCRIPTION  
SUMMARY

PSD - FL - 02C

Facility	Operating Capacity Pounds/Hour
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A. New or Reconstructed

- |                                   |                      |
|-----------------------------------|----------------------|
| 1. No. 4 Phosphoric Acid Plant    | 120,000 <sup>a</sup> |
| 2. No. 5 Ammonium Phosphate Plant | 46,000 <sup>a</sup>  |
| 3. New Wet Rock Mill              |                      |

B. Modified (After)

- |                                 |                        |
|---------------------------------|------------------------|
| 1. No. 3 Phosphoric Acid Plant  | 93,000 <sup>a</sup>    |
| 2. No. 7 Sulfuric Acid Plant    | 145,833 <sup>b</sup>   |
| 3. No. 10 Wet Rock Mill         |                        |
| 4. No. 11 Wet Rock Mill         |                        |
| 5. No. 12 Wet Rock Mill         |                        |
| 6. Gypsum/Cooling/Recycle Ponds | 207 acres <sup>d</sup> |

C. Modified (Before)

- |                                   |                      |
|-----------------------------------|----------------------|
| 1. No. 3 Phosphoric Acid Plant    | 93,000 <sup>a</sup>  |
| 2. No. 7 Sulfuric Acid Plant      | 115,000 <sup>b</sup> |
| 3. No. 10 Dry Rock Mill           | 87,150 <sup>c</sup>  |
| 4. No. 11 Dry Rock Mill           | 73,000 <sup>c</sup>  |
| 5. No. 12 Dry Rock Mill           | 114,800 <sup>c</sup> |
| 6. Gypsum/Cooling and Surge Ponds | 94 and 163 acres     |

D. Existing (To Be Shut Down)

- |                                      |                      |
|--------------------------------------|----------------------|
| 1. No. 6, 7, 8 Rock Mill             | 261,450 <sup>c</sup> |
| 2. 68 PBL Rock Unloading and Storage | 568,000 <sup>c</sup> |
| 3. Rock Transfer Airslider           |                      |
| a. South No. 2                       | 27,420 <sup>c</sup>  |
| b. North No. 2                       | 27,420 <sup>c</sup>  |
| c. South No. 3                       | 9,860 <sup>c</sup>   |
| d. Center No. 3                      | 9,860 <sup>c</sup>   |
| e. North No. 3                       | 9,860 <sup>c</sup>   |
| f. No. 3 Bin                         | 9,860 <sup>c</sup>   |
| 4. Normal Superphosphate Plant       | 30,400 <sup>c</sup>  |
| 5. No. 2 Phosphoric Acid Plant       | 68,421 <sup>a</sup>  |
| 6. No. 2 Filter Building             |                      |
| 7. No. 3 Filter Building             |                      |
| 8. Spray Cooling                     | effective 37 acres   |

a Equivalent P<sub>2</sub>O<sub>5</sub> feed.

b 100% H<sub>2</sub>SO<sub>4</sub> Product.

c Input Process Weight.

d Surge pond is to be bermed (reducing area by ~13 acres) and connected to the gypsum/cooling ponds for continuous recycle. Spray cooling discontinued (item D.8.)