

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 22016

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

| Emission<br>Point No. (1) | Source<br>Name (2)                | Air Contaminant<br>Name (3) | <u>Emission Rates</u> |            |
|---------------------------|-----------------------------------|-----------------------------|-----------------------|------------|
|                           |                                   |                             | <u>lb/hr</u>          | <u>TPY</u> |
| DUMP-1                    | Cottonseed (a)<br>Unloading Dump  | TSP                         | 7.50                  | 4.26       |
|                           |                                   | PM <sub>10</sub>            | 1.88                  | 1.07       |
| HOUSE-4                   | Seed House No. 4 (a)              | TSP                         | 0.63                  | 0.36       |
|                           |                                   | PM <sub>10</sub>            | 0.16                  | 0.09       |
| TANK-2                    | White Seed (b)<br>Tank No. 2      | TSP                         | 0.15                  | 0.14       |
|                           |                                   | PM <sub>10</sub>            | 0.04                  | 0.04       |
| TANK-4                    | Meal Tank No. 2 (c)               | TSP                         | 0.02                  |            |
|                           |                                   | PM <sub>10</sub>            | 0.01                  |            |
| TANK-5                    | Meal Tank No. 3 (c)               | TSP                         | 0.02                  |            |
|                           |                                   | PM <sub>10</sub>            | 0.01                  |            |
|                           | Total Meal Tank (d)<br>Operations | TSP                         |                       | 0.06       |
|                           |                                   | PM <sub>10</sub>            |                       | 0.02       |
| BAG-2                     | Meal Loadout (e)<br>Baghouse      | PM <sub>10</sub>            | 1.73                  | 3.77       |
| BAG-5                     | Delinting Room (f)<br>Baghouse    | PM <sub>10</sub>            | 3.43                  | 14.61      |
| BAG-6                     | Huller Room (f)<br>Baghouse       | PM <sub>10</sub>            | 2.06                  | 8.76       |
| FAN-4A                    | Seed House 4 (g)<br>Cooling Fan A | PM <sub>10</sub>            | 0.82                  | 1.80       |

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| Emission<br>Point No. (1) | Source<br>Name (2)                      | Air Contaminant<br>Name (3) | <u>Emission Rates</u> |       |
|---------------------------|---|-----------------------------|-----------------------|-------|
|                           |   |                             | lb/hr                 | TPY   |
| FAN-4B                    | Seed House 4 (g)<br>Cooling Fan B       | PM <sub>10</sub>            | 0.82                  | 1.80  |
| FUGSTK-1                  | Hexane Fugitive (h)<br>Stack            | Hexane                      | 14.70                 | 62.64 |
| DT/DC                     | Desolventizer (h)<br>Toaster            | PM <sub>10</sub>            | 3.46                  | 14.75 |
|                           |   | Hexane                      | 3.27                  | 13.92 |
| Boiler-1A                 | Boiler No. 1 (i)                        | PM <sub>10</sub>            | 0.24                  | 1.05  |
|                           |   | SO <sub>2</sub>             | 0.01                  | 0.04  |
|                           |   | NO <sub>x</sub>             | 1.75                  | 7.67  |
|                           |   | CO                          | 0.18                  | 0.79  |
|                           |   | NMVOC                       | 0.05                  | 0.22  |
| CYCN-34                   | Meal Conveyor (f)<br>Aspiration Cyclone | PM <sub>10</sub>            | 0.86                  | 3.68  |
| STKN-35                   | Pellet Cooler (f)<br>Stack              | PM <sub>10</sub>            | 2.23                  | 9.48  |
| CYCN-36                   | Flake Roller (f)<br>Aspiration Cyclone  | PM <sub>10</sub>            | 2.06                  | 8.76  |

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) TSP - total suspended particulate matter including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter less than 10 microns in diameter

SO<sub>2</sub> - sulfur dioxide

NO<sub>x</sub> - nitrogen oxides

CO - carbon monoxide

NMVOC - non-methane volatile organic compounds as defined in General Rule Section 101.1

(a) Emission rates are based on and the facilities are limited to an

hourly throughput of 125 tons and an annual throughput of 142,000 tons of raw (fuzzy) cottonseed.

(b) Emission rates are based on and the facilities are limited to an hourly throughput of 75 tons and an annual throughput of 142,000 tons of white (cleaned) cottonseed.

(c) Emission rates are based on and the facilities are limited to an hourly throughput of 8 tons of cottonseed meal.

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(d) Emission rates are based on and the facilities are limited to an annual throughput of 64,965 tons of cottonseed meal.

(e) Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_Hrs/day \_\_\_\_\_Days/week \_\_\_\_\_Weeks/year or \_\_\_\_\_  
4,368 Hrs/year.

(f) Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_Hrs/day \_\_\_\_\_Days/week \_\_\_\_\_Weeks/year or \_\_\_\_\_  
8,520 Hrs/year.

(g) Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_Hrs/day \_\_\_\_\_Days/week \_\_\_\_\_Weeks/year or \_\_\_\_\_  
4,380 Hrs/year.

(h) Refer to Special Condition No. 5 for throughput limitations and basis of emission rates.

(i) Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_\_Hrs/day \_\_\_\_\_Days/week \_\_\_\_\_Weeks/year or \_\_\_\_\_  
8,760 Hrs/year.

Dated\_\_\_\_\_