ATLAS RESIN PROPPANTS

8/12/08

Thomas Ponty
Air Management Compliance Officer

Wisconsin Department of Natural Resources
West Central Region Headquarters
1300 West Clairemont
PO Box 4001
Eau Claire, WI 54702-4001

Mr. Ponty,

This letter serves to certify our compliance with regard to Permit No. 07-JAJ-042 for our Taylor, WI manufacturing site. In accordance of Part II, Item D, Number D.5, attached in Appendix A are our environmental controls inspection sheets for the first part of this year which includes all of our monitoring data required by the permit.

In accordance with Part II, Item N, attached in Appendix B is our Compliance Certification information. Please note the intermittent compliance notation with regard to our differential pressure measurements across our scrubber. Include in Appendix B are copies of our correspondence regarding this matter.

In addition, compliance with our permit is further supported by the Process Emissions Test conducted May 6, 2006 by Badger Laboratories and Engineering, a copy of which was provided to the WDNR on June 29, 2006.

If you have any questions or care to discuss this report in more detail, please call me at the Taylor phone number located below.

Regards,

Robbie N. Sage
Vice President of Operations

I attest that based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

Management Office: 5119 South 110th East Ave., Tulsa, OK 74146 • (918) 270-1500 PHONE • (918) 621-4094 FAX
Manufacturing: N7500 County Road P Taylor, WI 54659 • (715) 662-2200 PHONE • (715) 662-2213 FAX

Appendix A

Atlas Resin Proppants LLC
Taylor Manufacturing Plant

Environmental Controls Inspection Sheets 1/1/08 to 6/30/08

Appendix B

Atlas Resin Proppants LLC
Taylor Manufacturing Plant

Compliance Certification

Permit Reference	Pollutant	Compliance Status	Continuous/Intermittent	Method of Determination
Part I, Sec A, #1	Particulate Matter	Compliant	Continuous	Panel Filter control device has been inline and operational at all times while process is in operation.
Part I, Sec A, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec A, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec B, #1	Particulate Matter	Compliant	Continuous	Panel Filter control device has been inline and operational at all times while process is in operation.
Part I, Sec B, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec B, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec C, #1	Particulate Matter	Compliant	Continuous	Baghouse control device has been inline and operational at all times while process is in operation. Pressure drop across baghouse has been operated properly Pressure drop across baghouse has been maintained at 1-8 inches water column as documented in Appendix A.
Part I, Sec C, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec C, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec D, #1	Particulate Matter	Compliant	**Intermittent** *Note attached documentation regarding periods of low pressure drop across scrubber.*	Wet Scrubber control device, including demistor, has been inline and operational at all times while process is in operation. Instrumentation to monitor Pressure Drop across scrubber, liquor flow to scrubber and pH of scrubber liquor has been operated properly. Pressure drop across scrubber has been maintained at 10-30 inches water column as documented in Appendix A. The solids content of the scrubber liquor has been maintained between 0 and 550 NTU's as documented in Appendix A.
Part I, Sec D, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec D, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec D, #3	Volatile Organic Compounds	Compliant	**Intermittent** *See above.*	Wet Scrubber control device, including demistor, has been inline and operational at all times while process is in operation. Requirements of Part I, Sec D, #1 have been met. Pressure drop, Flow Meter and pH meters have been maintained and operated per the Malfunction Prevention and Abatement Plan submitted to the WDNR on March 14, 2006.
Part I, Sec D, #4	Phenol Emissions	Compliant	Continuous	Facility has not used more than 586,417lbs of flake resin per month based on a 12-month rolling average. This is demonstrated in the attached calculations in Appendix C.
Part I, Sec E, #1	Fugitive Emissions	Compliant	Continuous	Water has been applied to the driveway on a daily basis when no rain has been received and construction workers/truck traffic is present.

ATLAS RESIN PROPPANTS

Appendix C

Atlas Resin Proppants LLC
Taylor Manufacturing Plant

Average Monthly Usage of Flake Resin

Management Office: 5119 South 110th East Ave., Tulsa, OK 74146 • (918) 270-1500 PHONE • (918) 621-4094 FAX
Manufacturing: N7500 County Road P Taylor, WI 54659 • (715) 662-2200 PHONE • (715) 662-2213 FAX

2/11/09

Thomas Ponty
Air Management Compliance Officer

Wisconsin Department of Natural Resources
West Central Region Headquarters
1300 West Clairemont
PO Box 4001
Eau Claire, WI 54702-4001

Mr. Ponty,

This letter serves to certify our compliance with regard to Permit No. 07-JAJ-042 for our Taylor, WI manufacturing site. In accordance of Part I, Item ZZZ, Number 3.a.(1) attached in Appendix A and B are our environmental controls inspection sheets for the second part of this year which includes all of our monitoring data required by the permit for Tower A and Tower B respectively.

I note that some of the erroneous Scrubber flow date in Appendix A is due to the employment of new instruments to measure said flow. This was communicated during your December 18th, 2008 visit as noted in your report dated January 26th, 2009. Those issues were resolved in early December as reflected in the data.

In accordance with Part I, Item ZZZ, Number 3.a.(2) attached in Appendix C and D is our Compliance Certification information for the respective towers.

In addition, compliance with our permit is further supported by the Process Emissions Test conducted May 6, 2006 by Badger Laboratories and Engineering, a copy of which was provided to the WDNR on June 29, 2006.

If you have any questions or care to discuss this report in more detail, please call me at the Taylor phone number located below.

Regards,

Robbie N. Sage
Vice President of Operations

I attest that based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

Appendix A

Atlas Resin Proppants LLC
Taylor Manufacturing Plant

Environmental Controls Inspection Sheets 7/1/08 to 12/31/08

Tower A

Appendix B

Atlas Resin Proppants LLC
Taylor Manufacturing Plant

Environmental Controls Inspection Sheets 7/1/08 to 12/31/08

Tower B

Appendix C

Atlas Resin Proppants LLC
Taylor Manufacturing Plant

Compliance Certification

Tower A

Permit Reference	Pollutant	Compliance Status	Continuous/Intermittent	Method of Determination
Part I, Sec A, #1	Particulate Matter	Compliant	Continuous	Panel Filter control device has been inline and operational at all times while process is in operation.
Part I, Sec A, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec A, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec B, #1	Particulate Matter	Compliant	Continuous	Panel Filter control device has been inline and operational at all times while process is in operation.
Part I, Sec B, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec B, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec C, #1	Particulate Matter	Compliant	Continuous	Baghouse control device has been inline and operational at all times while process is in operation. Pressure drop across baghouse has been operated properly Pressure drop across baghouse has been maintained at 1-8 inches water column as documented in Appendix A.
Part I, Sec C, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec C, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec D, #1	Particulate Matter	Compliant	Continuous	Wet Scrubber control device, including demistor, has been inline and operational at all times while process is in operation. Instrumentation to monitor Pressure Drop across scrubber, liquor flow to scrubber and pH of scrubber liquor has been operated properly. Pressure drop across scrubber has been maintained at 10-30 inches water column as documented in Appendix A. The solids content of the scrubber liquor has been maintained between 0 and 550 NTU's as documented in Appendix A.
Part I, Sec D, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec D, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec D, #3	Volatile Organic Compounds	Compliant	Continuous	Wet Scrubber control device, including demistor, has been inline and operational at all times while process is in operation. Requirements of Part I, Sec D, #1 have been met. Pressure drop, Flow Meter and pH meters have been maintained and operated per the Malfunction Prevention and Abatement Plan submitted to the WDNR on March 14, 2006.
Part I, Sec D, #4	Phenol Emissions	Compliant	Continuous	Facility has not used more than 586,417lbs of flake resin per month based on a 12-month rolling average. This is demonstrated in the attached calculations in Appendix E.
Part I, Sec E, #1	Fugitive Emissions	Compliant	Continuous	Water has been applied to the driveway on a daily basis when no rain has been received and construction workers/truck traffic is present.

Appendix D

Atlas Resin Proppants LLC
Taylor Manufacturing Plant

Compliance Certification

Tower B

Permit Reference	Pollutant	Compliance Status	Continuous/Intermittent	Method of Determination
Part I, Sec F, #1	Particulate Matter	Compliant	Continuous	Panel Filter control device has been inline and operational at all times while process is in operation.
Part I, Sec F, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec A, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec G, #1	Particulate Matter	Compliant	Continuous	Panel Filter control device has been inline and operational at all times while process is in operation.
Part I, Sec G, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec B, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec H, #1	Particulate Matter	Compliant	Continuous	Baghouse control device has been inline and operational at all times while process is in operation. Pressure drop across baghouse has been operated properly Pressure drop across baghouse has been maintained at 1-8 inches water column as documented in Appendix B.
Part I, Sec H, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec C, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec I, #1	Particulate Matter	Compliant	Continuous	Wet Scrubber control device, including demistor, has been inline and operational at all times while process is in operation. Instrumentation to monitor Pressure Drop across scrubber, liquor flow to scrubber and pH of scrubber liquor has been operated properly. Pressure drop across scrubber has been maintained at 10-30 inches water column as documented in Appendix B. The solids content of the scrubber liquor has been maintained between 0 and 550 NTU's as documented in Appendix B.
Part I, Sec I, #2	Visible Emissions	Compliant	Continuous	Requirements of Part I, Sec D, #1 shall be used to demonstrate compliance with visible emissions limit.
Part I, Sec I, #3	Volatile Organic Compounds	Compliant	Continuous	Wet Scrubber control device, including demistor, has been inline and operational at all times while process is in operation. Requirements of Part I, Sec D, #1 have been met. Pressure drop, Flow Meter and pH meters have been maintained and operated per the Malfunction Prevention and Abatement Plan submitted to the WDNR on March 14, 2006.
Part I, Sec I, #4	Phenol Emissions	Compliant	Continuous	Facility has not used more than 850,000lbs of flake resin per month based on a 12-month rolling average. This is demonstrated in the attached calculations in Appendix E.
Part I, Sec J, #1	Fugitive Emissions	Compliant	Continuous	Water has been applied to the driveway on a daily basis when no rain has been received and construction workers/truck traffic is present.

Appendix E

Atlas Resin Proppants LLC
Taylor Manufacturing Plant

Average Monthly Usage of Flake Resin

State of Wisconsin
Department of Natural Resources
Bureau of Air Management
P.O. Box 7921, Madison WI 53707-7921
dnr.wi.gov

Air Operation Permit Compliance Certification

Form 4530-170 (R 4/06)

Notice: Under ss. NR 407.09(4)(a)3. and 439.03(1)(c), Wis. Adm. Code, all sources issued an air operation permit by the Wisconsin Department of Natural Resources must submit an annual (or more frequent) certification of compliance with all operation permit terms and conditions over the reporting period specified in the permit. You may use this form to submit your compliance certification to the Department, and to EPA Region V. Please note that compliance certifications must be signed by a responsible official, as defined in NR 400.02(136), Wis. Adm. Code. Please retain records and all other material information used to certify compliance with your air operation permit for Department review. Use of this Form is voluntary. Personally identifiable information collected on this Form is unlikely to be used for any purpose other than that for which it was originally collected, but may be provided to requesters as required by Wisconsin's Open Records law (ss. 19.31-19.39, Wis. Stats.).

A.) Facility Information

1) Facility Name Atlas Resin Proppants LLC

2) FID: 627005280

3) a. Permit Number 07-JAJ-042 | b. Permit Issue Date April 25, 2007

4) Reporting Period Covered by this Certification January 1, 2008 – December 31, 2008

5) FOR PART 70 SOURCES ONLY:

All Part-70 sources must also submit a copy of the compliance certification to the US EPA-Region V, in addition to the appropriate WDNR regional field office. Addresses are listed in your Part-70 air permit. Please check the following box, if applicable to your facility:

☐ A copy of the Compliance Certification has been submitted to US EPA-Region V.

B.) Facility Compliance Information

6) Check either (a) "CONTINUOUS COMPLIANCE" or (b) "INTERMITTENT COMPLIANCE" below
(Terms "continuous" and "intermittent" compliance are defined in Instructions, page 3 of 4).

a)_____ **Facility Was in Continuous Compliance** (During the entire reporting period identified in this compliance certification, this facility was in **continuous** compliance with **all** conditions specified in the permit identified in this compliance certification. The method used to determine compliance for each condition is the method specified in the permit identified in this compliance certification)

b)___ X __ **Facility Was in Intermittent Compliance** (During the entire reporting period identified in this compliance certification, this facility was in continuous compliance with **all** conditions specified in the permit identified in this compliance certification, **EXCEPT** for the deviations identified on the attached deviation report. The method used to determine compliance for each condition is the method specified in the permit identified in this compliance certification, unless otherwise indicated and described in the enclosed deviation report.)

NOTE: If you select this option, you must complete and attach the Air Operation Permit Deviation Summary Report, in which you list deviations from any conditions of the permit for the reporting period covered by this Compliance Certification.

C.) Alternative Permit Requirements

In certain circumstances where the underlying applicable requirement allows, permits may include a choice of limits and/or standards, alternate operating scenarios, alternate monitoring methods, alternate recordkeeping, and the like. Where the permit includes such options or alternate requirements, the source must specifically identify the permit terms and conditions which applied over the entire reporting period. Many federal MACT standards provide a choice of emission standards and associated monitoring requirements. For example, the pulp and paper MACT (40 CFR part 63 subpart S) requires certain control devices to either reduce total hazardous air pollutant emissions by weight, or by volume, or through the use of a thermal oxidizer operating under certain parameters, or through other specified means.

7) If the facility operated under alternative permit requirements for all or part of the reporting period covered by this compliance certification, please identify the permit condition that describes the alternative permit requirements, list the emission unit operated according to these requirements, and list the begin and end dates during which the emission unit was operated according to these requirements: (Add additional pages if necessary)

a) Permit Condition Reference:	b) Emission Unit:	c) Alternative Requirement Begin and End Date:

D.) Facility Compliance Certification

NOTE: A responsible official, **as defined in s. NR 400.02 (136), Wis. Adm. Code**, must sign this compliance certification. Compliance certifications that are not signed by a responsible official will be returned as incomplete.

I have reviewed this facility's compliance status with respect to *ALL* air operation permit conditions for the reporting period specified in this compliance certification. Based on information and belief formed after reasonable inquiry, I certify that the statements and information in this document are true, accurate and complete.

_____
Signature of Responsible Official

_Robbie N. Sage_____
Typed or Printed Name of Signatory

_ Vice President of Operations__
Title

____/_____/_____
Date

For questions concerning compliance certification, contact your regional compliance engineer by phone, via email, or via facsimilie.

State of Wisconsin
Department of Natural Resources
Bureau of Air Management
P.O. Box 7921, 101 S. Webster St.
Madison WI 53707-7921
dnr.wi.gov

Air Operation Permit Deviation Summary Report

Form 4530-171 (R 4/06)

Notice: Deviation Reports are required under s. NR 439.03(1)(b), Wis. Adm. Code. Use of this Table to report deviations is voluntary. Personally Identifiable Information collected on this form is not likely to be used for purposes other than the purpose for which it is being collected. This table may be submitted in conjunction with the Air Operation Permit Compliance Certification to report deviations from permit conditions contained in the Air Operation Permit. Complete items A-C to report deviations. Provide information on each deviation in a separate row of the table. Copy this page as needed to list all deviations for the reporting period specified in this Deviation Summary Report. Personally identifiable information collected on this Form is unlikely to be used for any purpose other than that for which it was originally collected, but may be provided to requesters as required by Wisconsin's Open Records law (ss. 19.31-19.39, Wis. Stats.).

A.) Facility Information

1.) Facility Name	2.) FID
Atlas Resin Proppants LLC	627005280
3.) Permit Number	**4.) Permit Issue Date**
07-JAJ-042	April 25, 2007

5.) Reporting Period Covered by this Deviation Report
January 1, 2008 – December 31, 2008

B.) Deviation Summary Report

1.) Permit Condition Reference	2.) Emission Unit	3.) Deviation Period Start and End Dates	4.) Date Deviation Previously Reported to DNR	5.) Deviation Description	6.) Method Used to Identify Deviation	7.) Reason for Deviation and Corrective Action Taken
Part I,D,1b(5) – Pressure drop across scrubber must be maintained in range of 10-30 inches WC	Control Device C50; Stack S50	3/17/2008 – 6/13/2008	Original – 5/15/08 Last – 7/14/08	Readings on the differential pressures across the scrubber drifted less than the 10 inches WC bottom specification recording readings 6-9 inches WC.	Monitoring equipment required per Part I,D,1c(3)a	Major cause of low differential pressure was found to be a fouled stack. Once the stack was cleaned and the system was rebalanced, including a venturi throat adjustment, ARP was able to adjust the system back into operating range of 10-30 " WC.

C.) Responsible Official Certification

NOTE: A responsible official, **as defined in s. NR 400.02(136), Wis. Adm. Code**, must sign this deviation summary report. Deviation summary reports that are not signed by a responsible official will be returned as incomplete.

I have reviewed this facility's Deviation Summary Report. Based on information and belief formed after reasonable inquiry, I certify that the statements and information in this document are true, accurate and complete.

_____
Signature of Responsible Official

_Robbie N. Sage_____
Typed or Printed Name of Signatory

_ Vice President of Operations__
Title

_____ /_____ /_____
Date

2008 Air Emissions Inventory Summary Report

State of Wisconsin Department of Natural Resources
Bureau of Air Management

FID: 627005280

627005280 Atlas Resin Proppants, LLC
N7500 COUNTY ROAD P
TAYLOR

DNR Region: West Central
County: Jackson
SIC Code: 2899 -- CHEMICAL PREPARATIONS, NEC
NAICS Code: 325998 -- All Other Miscellaneous Chemical Product and Preparation Manufacturing

Constr Date:

 # Employees: 33
Area: 442134 ft2

UTM Zone: 15 **UTM X:** 649540 m **UTM Y:** 4911590 m

Erica Marczak
Facility Air Management Contact
7156622200
PO Box 100
Taylor WI 54659
emarczak@atlasresinproppants.com

Robbie Sage
Facility Billing Contact
7156622200
P.O. Box 100
Taylor WI 54659
rsage@atlasresinproppants.com

Robbie Sage
Facility Responsible Official
7156622200
P.O. Box 100
Taylor WI 54659
rsage@atlasresinproppants.com

THOMAS PONTY
DNR Emission Inventory Contact
7158393827
1300 W CLAIREMT
EAU CLAIRE WI 54701
tom.ponty@wisconsin.gov

DEVICE AND PROCESS LIST

DEVICE ID > PROCESS ID	DEVICE CODE > PROCESS CODE	DEVICE NAME > PROCESS NAME	DEVICE CATEGORY > PROCESS DESCRIPTION
C114 --> 01	FILTER CONTROLLING	Panel Filter - Tower B Raw Silo1Bin Filter - Tower B	Fabric Filters Used for collectors
C115 --> 01	FILTER CONTROLLING	Panel Filter - Tower B Raw Silo 2 Bin Filter - Tower B	Fabric Filters Used for collectors
C119 --> 01	COLLECTOR CONTROLLING	Cyclone Cyclone - Tower B	Cyclone/Settling Chambers Used for collectors
C120 --> 01	BAGHOUSE CONTROLLING	Baghouse - Tower B Baghouse	Baghouse/Fabric Filter Used for collectors
C14 --> 00	BAGHOUSE CONTROLLING	Panel Filter Raw Silo 1 Bin Filter - Tower A	Baghouse/Fabric Filter Used for collectors
C15 --> 00	BAGHOUSE CONTROLLING	Panel Filter Raw Silo 2 Bin Filter - Tower A	Baghouse/Fabric Filter Used for collectors
C150 --> 01	SCRUBBER CONTROLLING	Wet Scrubber - Tower B Wet Scrubber - Tower B	Wet Collection Systems Used for collectors
C19 --> 01	CYCLONE CONTROLLING	Cyclone - Tower A	Cyclone/Settling Chambers Used for collectors
C20 --> 00	BAGHOUSE CONTROLLING	Baghouse - Tower A Baghouse	Baghouse/Fabric Filter Used for collectors
C22 --> 01	FILTER CONTROLLING	Raw Silo 3 Bin Filter - Tower A Raw Silo 3 Bin Filter	Fabric Filters Used for collectors
C50 --> 00	SCRUBBER CONTROLLING	Wet Scrubber - Tower A Wet Scrubber	Wet Collection Systems Used for collectors
F11 --> 01	GENERIC GENERIC	Rail Car Unloading - Tower A UnLoading	Miscellaneous Generic Throughput Process
F111 --> 00	GENERIC GENERIC	Railcar Unloading - Tower B Railcar Unloading - Tower B	Miscellaneous Generic Throughput Process
F161 --> 00	GENERIC GENERIC	Railcar Loading - Tower B Railcar Loading - Tower B	Miscellaneous Generic Throughput Process
F61 --> 01	GENERIC GENERIC	Railcar Loading - Tower A Railcar Loading - Tower A	Miscellaneous Generic Throughput Process
P113 --> 00	GENERIC GENERIC	Elevator 1 - Tower B Elevator #1 - Tower B	Miscellaneous Generic Throughput Process
P114 --> 01	SILO GENERIC	Raw Silo 1 - Tower B Raw Silo #1B	Miscellaneous Generic Throughput Process
P115 --> 00	SILO GENERIC	Raw Silo 2 - Tower B Raw Silo #2B	Miscellaneous Generic Throughput Process
P116	CONVEYOR	Conveyor 1 - Tower B	Miscellaneous

--> 01	GENERIC	Conveyor 1-Tower B	Generic Throughput Process
---	---	---	---
P117	CONVEYOR	Elevator 2 - Tower B	Miscellaneous
--> 00	GENERIC	Elevator 2 B	Generic Throughput Process
---	---	---	---
P121	GENERIC	Day Tank - Tower B	Miscellaneous
--> 00	GENERIC	Day Tank - Tower B	Generic Throughput Process
---	---	---	---
P122	GENERIC	Weigh Hopper 1 - Tower B	Miscellaneous
--> 00	GENERIC	Weigh Hopper - Tower B	Generic Throughput Process
---	---	---	---
P123	PROCESS HEATER	Raw Material Heater - Tower B	Boiler/Furnace
--> 00	GENERIC	Combustion of fuels at atm pressure	Generic Throughput Process
---	---	---	---
P123A	GENERIC	Emissions from Heater - Tower B	Miscellaneous
--> 01	GENERIC	Heater Emissions - Tower B	Generic Throughput Process
---	---	---	---
P127	GENERIC	Elevator 3 - Tower B	Miscellaneous
--> 01	GENERIC	Elevator 3 - Tower B	Generic Throughput Process
---	---	---	---
P128	GENERIC	Resin Tank - Tower B	Miscellaneous
--> 01	GENERIC	Resin Tank - Tower B	Generic Throughput Process
---	---	---	---
P129	GENERIC	Weigh Hopper 2 - Tower B	Miscellaneous
--> 00	GENERIC	Weigh Hopper 2 - Tower B	Generic Throughput Process
---	---	---	---
P13	CONVEYOR	Elevator 1 - Tower A	Miscellaneous
--> 00	GENERIC	Elevator # 1	Generic Throughput Process
---	---	---	---
P14	SILO	Raw Silo 1 - Tower A	Miscellaneous
--> 00	GENERIC	Raw Silo #1	Generic Throughput Process
---	---	---	---
P141	SCREEN	Shaker Screen - Tower B	Miscellaneous
--> 00	GENERIC	Simplicity Screen	Generic Throughput Process
---	---	---	---
P142	GENERIC	Elevator 4 - Tower B	Miscellaneous
--> 00	GENERIC	Elevator 4 - Tower B	Generic Throughput Process
---	---	---	---
P143	SCREEN	Scalping Screen - Tower B	Miscellaneous
--> 01	GENERIC	Sweco	Generic Throughput Process
---	---	---	---
P144	COOLER	Product Cooler - Tower B	Miscellaneous
--> 0	GENERIC	Product Cooler - Tower B	Generic Throughput Process
---	---	---	---
P145	GENERIC	Elevator 5 - Tower B	Miscellaneous
--> 00	GENERIC	Elevator 5 - Tower B	Generic Throughput Process
---	---	---	---
P146	SILO	Finished Silo 1 - Tower B	Miscellaneous
--> 00	GENERIC	Finshed Silo 1 - Tower B	Generic Throughput Process
---	---	---	---
P147	SILO	Finished Silo 2 - Tower B	Miscellaneous
--> 01	GENERIC	Finsished Silo 2 - Tower B	Generic Throughput Process
---	---	---	---
P148	SILO	Finished Silo 3 - Tower B	Miscellaneous
--> 01	GENERIC	Finished Silo 3 - Tower B	Generic Throughput Process
---	---	---	---
P15	SILO	Raw Silo 2 - Tower A	Miscellaneous
--> 00	GENERIC	Raw Silo #2	Generic Throughput Process
---	---	---	---
P151	GENERIC	Batch Mixer - Tower B	Miscellaneous
--> 00	GENERIC	Batch Mixer	Generic Throughput Process

P152 --> 00	GENERIC GENERIC	Continuous Mixer - Tower B Continuous Mixer - Tower B	Miscellaneous Generic Throughput Process
P16 --> 00	CONVEYOR GENERIC	Conveyor 1 - Tower A Conveyors #1	Miscellaneous Generic Throughput Process
P161 --> 01	CONVEYOR GENERIC	Conveyor 2 - Tower B Conveyor 2 - Tower B	Miscellaneous Generic Throughput Process
P163 --> 00	CONVEYOR GENERIC	Weigh Belt - Tower B Weigh Belt - Tower B	Miscellaneous Generic Throughput Process
P17 --> 00	CONVEYOR GENERIC	Elevator 2 - Tower A Elevator #2	Miscellaneous Generic Throughput Process
P21 --> 01	GENERIC GENERIC	Day Tank 1 - Tower A Day Tank	Miscellaneous Generic Throughput Process
P22 --> 02	SILO GENERIC	Raw Silo 3 - Tower A Raw Silo 3	Miscellaneous Generic Throughput Process
P23 --> 01	GENERIC GENERIC	Weigh Hopper 1 - Tower A Weigh Hopper 1	Miscellaneous Generic Throughput Process
P24 --> 01	PROCESS HEATER GENERIC	Raw Material Heater - Tower A Combustion of fuels at atmospheric pressure	Boiler/Furnace Generic Throughput Process
P24A --> 01	GENERIC GENERIC	Dust Emissions from (P24) - Tower A Sand Heating	Miscellaneous Generic Throughput Process
P27 --> 01	GENERIC GENERIC	Elevator 3 - Tower A Elevator 3	Miscellaneous Generic Throughput Process
P28 --> 01	GENERIC GENERIC	Resin Tank - Tower A Resin Tank	Miscellaneous Generic Throughput Process
P29 --> 01	GENERIC GENERIC	Weigh Hopper 2 - Tower A Resin Weigh Hopper	Miscellaneous Generic Throughput Process
P41 --> 01	SCREEN GENERIC	Shaker Screen - Tower A Simplicity Screen	Miscellaneous Generic Throughput Process
P42 --> 01	GENERIC GENERIC	Elevator 4 - Tower A Elevator #4	Miscellaneous Generic Throughput Process
P43 --> 01	SCREEN GENERIC	Scalping Screen - Tower A Sweco Screen	Miscellaneous Generic Throughput Process
P44 --> 01	COOLER GENERIC	Product Cooler - Tower A Cooling	Miscellaneous Generic Throughput Process
P45 --> 01	CONVEYOR GENERIC	Conveyor 2 - Tower A Converyor #2	Miscellaneous Generic Throughput Process
P46 --> 01	GENERIC GENERIC	Elevator 5 - Tower A Elevator #5	Miscellaneous Generic Throughput Process
P47 --> 01	SILO GENERIC	Finished Silo 1 - Tower A Finished Silo #1	Miscellaneous Generic Throughput Process

P48	SILO	Finished Silo 2 - Tower A	Miscellaneous
--> 00	GENERIC	Finish Silo #2	Generic Throughput Process
P49	GENERIC	Weigh Belt - Tower A	Miscellaneous
--> 01	GENERIC	Weigh Belt	Generic Throughput Process
P51	GENERIC	Batch Mixer - Tower A	Miscellaneous
--> 01	GENERIC	Batch Mixer	Generic Throughput Process
P52	GENERIC	Continuous Mixer - Tower A	Miscellaneous
--> 01	GENERIC	Continuous Mixer	Generic Throughput Process
P71	SILO	Finish Silo 3 - Tower A	Miscellaneous
--> 00	GENERIC	Finsh silo #3	Generic Throughput Process

EMISSION FLOW SUMMARY

F11-01 (100%) --> OUT
F111-00 (100%) --> OUT
F161-00 (100%) --> OUT
F61-01 (100%) --> OUT
P113-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P114-01 (100%) --> C114-01 (100%) --> S114-01 (100%) --> OUT
P115-00 (100%) --> C115-01 (100%) --> S115-01 (100%) --> OUT
P116-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P117-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P121-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P122-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P123-00 (100%) --> C119-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P123A-01 (100%) --> C119-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P127-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P128-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P129-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P13-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P14-00 (100%) --> C14-00 (100%) --> S14-00 (100%) --> OUT
P141-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P142-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P143-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P144-0 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P145-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P146-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P147-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P148-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P15-00 (100%) --> C15-00 (100%) --> S15-00 (100%) --> OUT
P151-00 (100%) --> C150-01 (100%) --> S150-01 (100%) --> OUT
P152-00 (100%) --> C150-01 (100%) --> S150-01 (100%) --> OUT
P16-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P161-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P162-00 (100%) --> OUT
P163-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT
P17-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P21-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P22-02 (100%) --> C22-01 (100%) --> S22-01 (100%) --> OUT
P23-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P24-01 (100%) --> C19-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P24A-01 (100%) --> C19-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P27-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P28-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P29-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P41-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P42-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P43-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P44-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P45-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P46-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P47-01 (50%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P48-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P49-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT
P51-01 (100%) --> C50-00 (100%) --> S50-00 (100%) --> OUT
P52-01 (100%) --> C50-00 (100%) --> S50-00 (100%) --> OUT
P71-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

DEVICES/PROCESSES DETAILS

C114 **Fabric Filters** **Filter, Mat or Panel**
DEVICE DESC: Panel Filter - Tower B
CONSTR DATE:
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	90%
PM	90%

C114, Process 01 **Used for collectors**
PROCESS NAME: Raw Silo1Bin Filter - Tower B
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
P114-01 (100%) --> C114-01

--OUTGOING STREAMS--
C114-01 (100%) --> S114-01
(100%) --> OUT

C115 **Fabric Filters** **Filter, Mat or Panel**
DEVICE DESC: Panel Filter - Tower B
CONSTR DATE:
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	90%
PM	90%

C115, Process 01 **Used for collectors**
PROCESS NAME: Raw Silo 2 Bin Filter - Tower B
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
P115-00 (100%) --> C115-01

--OUTGOING STREAMS--
C115-01 (100%) --> S115-01
(100%) --> OUT

C119 **Cyclone/Settling Chambers** **Mechanical Collector**

DEVICE DESC: Cyclone
CONSTR DATE:
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	90%
PM	90%

C119, Process 01 **Used for collectors**
PROCESS NAME: Cyclone - Tower B
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
P123A-01 (100%) --> C119-01

P123-00 (100%) --> C119-01

--OUTGOING STREAMS--
C119-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

C120 **Baghouse/Fabric Filter** **Baghouse**

DEVICE DESC: Baghouse - Tower B
CONSTR DATE:
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	99.7%
PM	99.7%

C120, Process 01 **Used for collectors**

PROCESS NAME: Baghouse
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
C119-01 (100%) --> C120-01

P113-00 (100%) --> C120-01

P116-01 (100%) --> C120-01

P117-00 (100%) --> C120-01

P122-00 (100%) --> C120-01

P127-01 (100%) --> C120-01

P128-01 (100%) --> C120-01

P129-00 (100%) --> C120-01

P141-00 (100%) --> C120-01

P142-00 (100%) --> C120-01

P143-01 (100%) --> C120-01

P144-0 (100%) --> C120-01
P145-00 (100%) --> C120-01

P147-01 (100%) --> C120-01

P148-01 (100%) --> C120-01

P163-00 (100%) --> C120-01

P161-01 (100%) --> C120-01

P121-00 (100%) --> C120-01

P146-00 (100%) --> C120-01

--OUTGOING STREAMS--
C120-01 (100%) --> S120-01
(100%) --> OUT

C14 **Baghouse/Fabric Filter** **Baghouse**

DEVICE DESC: Panel Filter
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	90%
PM	90%

C14, Process 00 **Used for collectors**

PROCESS NAME: Raw Silo 1 Bin Filter - Tower A
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
P14-00 (100%) --> C14-00

--OUTGOING STREAMS--
C14-00 (100%) --> S14-00 (100%) --> OUT

C15 **Baghouse/Fabric Filter** **Baghouse**

DEVICE DESC: Panel Filter
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	90%
PM	90%

C15, Process 00 **Used for collectors**

PROCESS NAME: Raw Silo 2 Bin Filter - Tower A
PROCESS COMMENTS:
SCHEDULE: 2 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
P15-00 (100%) --> C15-00

--OUTGOING STREAMS--
C15-00 (100%) --> S15-00 (100%) --> OUT

C150 **Wet Collection Systems** **Scrubber**

DEVICE DESC: Wet Scrubber - Tower B
CONSTR DATE:
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	71%
PHENOL	54.5%
PM	71%
ROG	64%

C150, Process 01 **Used for collectors**

PROCESS NAME: Wet Scrubber - Tower B
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
P151-00 (100%) --> C150-01

P152-00 (100%) --> C150-01

--OUTGOING STREAMS--
C150-01 (100%) --> S150-01 (100%) --> OUT

C19 **Cyclone/Settling Chambers** **Cyclone**

DEVICE DESC: Cyclone - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM	90%

C19, Process 01 **Used for collectors**

PROCESS NAME:
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
P24-01 (100%) --> C19-01
P24-02 (100%) --> C19-01
P24A-01 (100%) --> C19-01

--OUTGOING STREAMS--
C19-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

C20 **Baghouse/Fabric Filter** **Baghouse**

DEVICE DESC: Baghouse - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	99.7%
PM	99.7%

C20, Process 00 **Used for collectors**

PROCESS NAME: Baghouse
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
P13-00 (100%) --> C20-00
P16-00 (100%) --> C20-00
P17-00 (100%) --> C20-00
P48-00 (100%) --> C20-00
P21-01 (100%) --> C20-00
P23-01 (100%) --> C20-00
C19-01 (100%) --> C20-00
P27-01 (100%) --> C20-00
P28-01 (100%) --> C20-00
P29-01 (100%) --> C20-00
P41-01 (100%) --> C20-00
P42-01 (100%) --> C20-00
P43-01 (100%) --> C20-00
P44-01 (100%) --> C20-00
P45-01 (100%) --> C20-00
P46-01 (100%) --> C20-00
P47-01 (50%) --> C20-00
P49-01 (100%) --> C20-00
P71-00 (100%) --> C20-00

--OUTGOING STREAMS--
C20-00 (100%) --> S20-00
(100%) --> OUT

C22 **Fabric Filters** **Filter, Mat or Panel**

DEVICE DESC: Raw Silo 3 Bin Filter - Tower A
CONSTR DATE:
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	90%
PM	90%

C22, Process 01 **Used for collectors**

PROCESS NAME: Raw Silo 3 Bin Filter
PROCESS COMMENTS:
SCHEDULE: 0 Hrs/Day 0 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
P22-02 (100%) --> C22-01

--OUTGOING STREAMS--
C22-01 (100%) --> S22-01
(100%) --> OUT

C50 **Wet Collection Systems** **Scrubber**

DEVICE DESC: Wet Scrubber - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

--CTRL EFFIC--

POLLUTANT	VALUE
PM10	71%
PHENOL	54.5%
PM	71%
ROG	64%

C50, Process 00 **Used for collectors**

PROCESS NAME: Wet Scrubber
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
P51-01 (100%) --> C50-00
P52-01 (100%) --> C50-00

--OUTGOING STREAMS--
C50-00 (100%) --> S50-00
(100%) --> OUT

F11 **Miscellaneous** **Any Device**

DEVICE DESC: Rail Car Unloading - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

F11, Process 01 **Generic Throughput Process**

PROCESS NAME: UnLoading
SCC CODE: 30502506 Bulk Loading
PROCESS COMMENTS:
SCHEDULE: 4 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 204948800 LB of PRODUCT - MINERALS
AVG TPUT: 150697.64706 LB/HR
MAX TPUT: 200000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	OTHR
PM10	.0011 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	307.423 LB	307.423 LB	
PM10 (C)	10000 LB	112.722 LB	112.722 LB	

--INCOMING STREAMS--
TPUT --> F11-01

--OUTGOING STREAMS--
F11-01 (100%) --> OUT

F111 **Miscellaneous** **Any Device**

DEVICE DESC: Railcar Unloading - Tower B
CONSTR DATE:
DEVICE COMMENTS:

F111, Process 00 **Generic Throughput Process**

PROCESS NAME: Railcar Unloading - Tower B
SCC CODE: 30502506 Bulk Loading
PROCESS COMMENTS:
SCHEDULE: 4 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 39237800 LB of PRODUCT - MINERALS
AVG TPUT: 142165.94203 LB/HR
MAX TPUT: 200000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	DNR
PM10	.0011 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	58.857 LB	58.857 LB	
PM10 (C)	10000 LB	21.581 LB	21.581 LB	

--INCOMING STREAMS--
TPUT --> F111-00

--OUTGOING STREAMS--
F111-00 (100%) --> OUT

F161 **Miscellaneous** **Any Device**

DEVICE DESC: Railcar Loading - Tower B
CONSTR DATE:
DEVICE COMMENTS:

F161, Process 00 **Generic Throughput Process**

PROCESS NAME: Railcar Loading - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 7 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS

AVG TPUT: 75450.9089 LB/HR
MAX TPUT: 120000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	DNR
PM10	.0011 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	54.664 LB	54.664 LB	
PM10 (C)	10000 LB	20.044 LB	20.044 LB	

--INCOMING STREAMS--
TPUT --> F161-00

--OUTGOING STREAMS--
F161-00 (100%) --> OUT

F61 **Miscellaneous** **Any Device**

DEVICE DESC: Railcar Loading - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

F61, Process 01 **Generic Throughput Process**

PROCESS NAME: Railcar Loading - Tower A
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 7 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS
AVG TPUT: 86194.18361 LB/HR
MAX TPUT: 120000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	OTHR
PM10	.0011 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	307.713 LB	307.713 LB	
PM10 (C)	10000 LB	112.828 LB	112.828 LB	

--INCOMING STREAMS--
TPUT --> F61-01

--OUTGOING STREAMS--
F61-01 (100%) --> OUT

P113 **Miscellaneous** **Any Device**

DEVICE DESC: Elevator 1 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P113, Process 00 **Generic Throughput Process**

PROCESS NAME: Elevator #1 - Tower B
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 4 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 19619 TON of PRODUCT - MINERALS
AVG TPUT: 71.08333 TON/HR
MAX TPUT: 100 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	568.951 LB	1.707 LB	
PM10 (C)	10000 LB	125.562 LB	.377 LB	

--INCOMING STREAMS--
TPUT --> P113-00

--OUTGOING STREAMS--
P113-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P114 **Miscellaneous** **Silo**
DEVICE DESC: Raw Silo 1 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P114, Process 01 **Generic Throughput Process**
PROCESS NAME: Raw Silo #1B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 9809 TON of PRODUCT - MINERALS

AVG TPUT: 5.92331 TON/HR
MAX TPUT: 100 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	EPA
PM10	.0064 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	284.461 LB	28.446 LB	
PM10 (C)	10000 LB	62.778 LB	6.278 LB	

--INCOMING STREAMS--
TPUT --> P114-01

--OUTGOING STREAMS--
P114-01 (100%) --> C114-01 (100%) --> S114-01 (100%) --> OUT

P115 **Miscellaneous** **Silo**

DEVICE DESC: Raw Silo 2 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P115, Process 00 **Generic Throughput Process**

PROCESS NAME: Raw Silo #2B
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 9809 TON of PRODUCT - MINERALS
AVG TPUT: 5.92331 TON/HR
MAX TPUT: 100 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	EPA
PM10	.0064 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	284.461 LB	28.446 LB	
PM10 (C)	10000 LB	62.778 LB	6.278 LB	

--INCOMING STREAMS--
TPUT --> P115-00

--OUTGOING STREAMS--
P115-00 (100%) --> C115-01 (100%) --> S115-01 (100%) --> OUT

P116 **Miscellaneous** **Conveyor**

DEVICE DESC: Conveyor 1 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P116, Process 01 **Generic Throughput Process**

PROCESS NAME: Conveyor 1-Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 19619 TON of PRODUCT - MINERALS

AVG TPUT: 11.84722 TON/HR
MAX TPUT: 50 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	568.951 LB	1.707 LB	
PM10 (C)	10000 LB	125.562 LB	.377 LB	

--INCOMING STREAMS--
TPUT --> P116-01

--OUTGOING STREAMS--
P116-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P117 **Miscellaneous** **Conveyor**

DEVICE DESC: Elevator 2 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P117, Process 00 **Generic Throughput Process**

PROCESS NAME: Elevator 2 B
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 19619 TON of PRODUCT - MINERALS
AVG TPUT: 11.84722 TON/HR
MAX TPUT: 50 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	568.951 LB	1.707 LB	
PM10 (C)	10000 LB	125.562 LB	.377 LB	

--INCOMING STREAMS--
TPUT --> P117-00

--OUTGOING STREAMS--
P117-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P121 **Miscellaneous** **Any Device**

DEVICE DESC: Day Tank - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P121, Process 00 **Generic Throughput Process**

PROCESS NAME: Day Tank - Tower B
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 19619 TON of PRODUCT - MINERALS
AVG TPUT: 11.84722 TON/HR
MAX TPUT: 15 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0012 LB / TON	DNR
PM10	.0006 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	23.543 LB	.071 LB	
PM10 (C)	10000 LB	11.771 LB	.035 LB	

--INCOMING STREAMS--
TPUT --> P121-00

--OUTGOING STREAMS--
P121-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P122 **Miscellaneous** **Any Device**

DEVICE DESC: Weigh Hopper 1 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P122, Process 00 **Generic Throughput Process**

PROCESS NAME: Weigh Hopper - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 19619 TON of PRODUCT - MINERALS

AVG TPUT: 11.84722 TON/HR
MAX TPUT: 15 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0051 LB / TON	DNR
PM10	.0024 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	100.057 LB	.3 LB	
PM10 (C)	10000 LB	47.086 LB	.141 LB	

--INCOMING STREAMS--
TPUT --> P122-00

--OUTGOING STREAMS--
P122-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P123 **Boiler/Furnace** **Process Heater**

DEVICE DESC: Raw Material Heater - Tower B
CONSTR DATE:
DEVICE COMMENTS:
MAX RATED CAPACITY: MMBTU/HR

P123, Process 00 **Generic Throughput Process**

PROCESS NAME: Combustion of fuels at atm pressure
SCC CODE: 10200602 10-100 Million Btu/hr
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 5.19 MMCF of Natural Gas
AVG TPUT: 3.13406 E3 FT3/H
MAX TPUT: 10 E3 FT3/H

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	84 LB / MMCF	EPA
NOX	100 LB / MMCF	EPA
PM	7.6 LB / MMCF	EPA
PM10	7.6 LB / MMCF	EPA
ROG	5.5 LB / MMCF	EPA
SO2	.6 LB / MMCF	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (C)	10000 LB	435.96 LB	435.96 LB	
NOX (C)	10000 LB	519 LB	519 LB	0 LB
PM (C)	10000 LB	39.444 LB	.012 LB	
PM10 (C)	10000 LB	39.444 LB	.012 LB	
ROG (C)	6000 LB	28.545 LB	28.545 LB	0 LB
SO2 (C)	10000 LB	3.114 LB	3.114 LB	

--INCOMING STREAMS--
TPUT --> P123-00

--OUTGOING STREAMS--
P123-00 (100%) --> C119-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P123A **Miscellaneous** **Any Device**

DEVICE DESC: Emissions from Heater - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P123A, Process 01 **Generic Throughput Process**

PROCESS NAME: Heater Emissions - Tower B
SCC CODE: 30502720 Sand Drying: Gas- or Oil-fired Rotary or Fluidized Bed Dryer

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 19619 TON of PRODUCT - MINERALS
AVG TPUT: 11.84722 TON/HR
MAX TPUT: 15 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
NOX	.031 LB / TON	EPA
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
NOX (C)	10000 LB	608.189 LB	608.189 LB	0 LB
PM (C)	10000 LB	568.951 LB	.171 LB	
PM10 (C)	10000 LB	125.562 LB	.038 LB	

--INCOMING STREAMS--
TPUT --> P123A-01

--OUTGOING STREAMS--
P123A-01 (100%) --> C119-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P127 **Miscellaneous** **Any Device**

DEVICE DESC: Elevator 3 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P127, Process 01 **Generic Throughput Process**

PROCESS NAME: Elevator 3 - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS

AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	528.42 LB	1.585 LB	
PM10 (C)	10000 LB	116.617 LB	.35 LB	

--INCOMING STREAMS--
TPUT --> P127-01

--OUTGOING STREAMS--
P127-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P128 **Miscellaneous** **Any Device**

DEVICE DESC: Resin Tank - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P128, Process 01 **Generic Throughput Process**

PROCESS NAME: Resin Tank - Tower B
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 1081661 LB of PRODUCT - MINERALS
AVG TPUT: 653.17693 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0062 LB / TON	DNR
PM10	.0003 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	3.353 LB	.01 LB	
PM10 (C)	10000 LB	.162 LB	0 LB	

--INCOMING STREAMS--
TPUT --> P128-01

--OUTGOING STREAMS--
P128-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P129 **Miscellaneous** **Any Device**

DEVICE DESC: Weigh Hopper 2 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P129, Process 00 **Generic Throughput Process**

PROCESS NAME: Weigh Hopper 2 - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 1081661 LB of PRODUCT - MINERALS

AVG TPUT: 653.17693 LB/HR
MAX TPUT: 2000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0051 LB / TON	DNR
PM10	.0024 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2.758 LB	.008 LB	
PM10 (C)	10000 LB	1.298 LB	.004 LB	

--INCOMING STREAMS--
TPUT --> P129-00

--OUTGOING STREAMS--
P129-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P13 **Miscellaneous** **Conveyor**

DEVICE DESC: Elevator 1 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P13, Process 00 **Generic Throughput Process**

PROCESS NAME: Elevator # 1
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 4 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 102474 TON of PRODUCT - MINERALS

AVG TPUT: 75.34853 TON/HR
MAX TPUT: 100 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	OTHR
PM10	.0064 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2971.746 LB	8.915 LB	
PM10 (C)	10000 LB	655.834 LB	1.968 LB	

--INCOMING STREAMS--
TPUT --> P13-00

--OUTGOING STREAMS--
P13-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P14 **Miscellaneous Silo**

DEVICE DESC: Raw Silo 1 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P14, Process 00 **Generic Throughput Process**

PROCESS NAME: Raw Silo #1
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 51237 TON of PRODUCT - MINERALS
AVG TPUT: 6.27904 TON/HR
MAX TPUT: 100 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.000615 LB / TON	AP42
PM10	.000291 LB / TON	AP42

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	31.511 LB	3.151 LB	
PM10 (C)	10000 LB	14.91 LB	1.491 LB	

--INCOMING STREAMS--
TPUT --> P14-00

--OUTGOING STREAMS--
P14-00 (100%) --> C14-00 (100%) --> S14-00 (100%) --> OUT

P141 **Miscellaneous** **Screen**

DEVICE DESC: Shaker Screen - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P141, Process 00 **Generic Throughput Process**

PROCESS NAME: Simplicity Screen
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS
AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	DNR
PM10	.0011 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	54.664 LB	.164 LB	
PM10 (C)	10000 LB	20.044 LB	.06 LB	

--INCOMING STREAMS--
TPUT --> P141-00

--OUTGOING STREAMS--
P141-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P142 **Miscellaneous** **Any Device**

DEVICE DESC: Elevator 4 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P142, Process 00 **Generic Throughput Process**

PROCESS NAME: Elevator 4 - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS

AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	528.42 LB	1.585 LB	
PM10 (C)	10000 LB	116.617 LB	.35 LB	

--INCOMING STREAMS--
TPUT --> P142-00

--OUTGOING STREAMS--
P142-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P143 **Miscellaneous** **Screen**

DEVICE DESC: Scalping Screen - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P143, Process 01 **Generic Throughput Process**

PROCESS NAME: Sweco
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS
AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	DNR
PM10	.0011 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	54.664 LB	.164 LB	
PM10 (C)	10000 LB	20.044 LB	.06 LB	

--INCOMING STREAMS--
TPUT --> P143-01

--OUTGOING STREAMS--
P143-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P144 **Miscellaneous** **Cooler**

DEVICE DESC: Product Cooler - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P144, Process 0 **Generic Throughput Process**

PROCESS NAME: Product Cooler - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS

AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	DNR
PM10	.0011 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	54.664 LB	.164 LB	
PM10 (C)	10000 LB	20.044 LB	.06 LB	

--INCOMING STREAMS--
TPUT --> P144-0

--OUTGOING STREAMS--
P144-0 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P145 **Miscellaneous** **Any Device**

DEVICE DESC: Elevator 5 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P145, Process 00 **Generic Throughput Process**

PROCESS NAME: Elevator 5 - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS

AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.058 LB / TON	DNR
PM10	.0128 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	1056.841 LB	3.171 LB	
PM10 (C)	10000 LB	233.234 LB	.7 LB	

--INCOMING STREAMS--
TPUT --> P145-00

--OUTGOING STREAMS--
P145-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P146 **Miscellaneous** **Silo**
DEVICE DESC: Finished Silo 1 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P146, Process 00 **Generic Throughput Process**
PROCESS NAME: Finshed Silo 1 - Tower B
SCC CODE: 30200610 Removal from Bins (Tunnel Belt)
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 12147596 LB of PRODUCT - AGRICULTURE
AVG TPUT: 7335.50483 LB/HR
MAX TPUT: 80000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0006 LB / TON	DNR
PM10	.0003 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	3.644 LB	.011 LB	
PM10 (C)	10000 LB	1.822 LB	.005 LB	

--INCOMING STREAMS--
TPUT --> P146-00

--OUTGOING STREAMS--
P146-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P147 **Miscellaneous** **Silo**

DEVICE DESC: Finished Silo 2 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P147, Process 01 **Generic Throughput Process**

PROCESS NAME: Finsished Silo 2 - Tower B
SCC CODE: 30200610 Removal from Bins (Tunnel Belt)
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 12147596 LB of PRODUCT - AGRICULTURE
AVG TPUT: 7335.50483 LB/HR
MAX TPUT: 80000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0006 LB / TON	DNR
PM10	.0003 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	3.644 LB	.011 LB	
PM10 (C)	10000 LB	1.822 LB	.005 LB	

--INCOMING STREAMS--
TPUT --> P147-01

--OUTGOING STREAMS--
P147-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P148 **Miscellaneous** **Silo**

DEVICE DESC: Finished Silo 3 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P148, Process 01 **Generic Throughput Process**

PROCESS NAME: Finished Silo 3 - Tower B
SCC CODE: 30200610 Removal from Bins (Tunnel Belt)
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 12147596 LB of PRODUCT - AGRICULTURE
AVG TPUT: 7335.50483 LB/HR
MAX TPUT: 80000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0006 LB / TON	DNR
PM10	.0029 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	3.644 LB	.011 LB	
PM10 (C)	10000 LB	17.614 LB	.053 LB	

--INCOMING STREAMS--
TPUT --> P148-01

--OUTGOING STREAMS--
P148-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P15 **Miscellaneous** **Silo**

DEVICE DESC: Raw Silo 2 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P15, Process 00 **Generic Throughput Process**

PROCESS NAME: Raw Silo #2
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 51237 TON of PRODUCT - MINERALS
AVG TPUT: 6.27904 TON/HR
MAX TPUT: 100 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.000615 LB / TON	OTHR
PM10	.000291 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	31.511 LB	3.151 LB	
PM10 (C)	10000 LB	14.91 LB	1.491 LB	

--INCOMING STREAMS--
TPUT --> P15-00

--OUTGOING STREAMS--
P15-00 (100%) --> C15-00 (100%) --> S15-00 (100%) --> OUT

P151 **Miscellaneous** **Any Device**

DEVICE DESC: Batch Mixer - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P151, Process 00 **Generic Throughput Process**

PROCESS NAME: Batch Mixer
SCC CODE: 30502506 Bulk Loading
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS
AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 38000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PHENOL	.1205 LB / TON	STK
PM	.1355 LB / TON	STK
PM10	.1355 LB / TON	STK
ROG	.1205 LB / TON	STK

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2468.999 LB	716.01 LB	
PM10 (C)	10000 LB	2468.999 LB	716.01 LB	
ROG (C)	6000 LB	2195.678 LB	790.444 LB	0 LB
PHENOL (C)	4528 LB	2195.678 LB	999.034 LB	

--INCOMING STREAMS--
TPUT --> P151-00

--OUTGOING STREAMS--
P151-00 (100%) --> C150-01 (100%) --> S150-01 (100%) --> OUT

P152 **Miscellaneous** **Any Device**

DEVICE DESC: Continuous Mixer - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P152, Process 00 **Generic Throughput Process**

PROCESS NAME: Continuous Mixer - Tower B
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS
AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 38000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PHENOL	.1205 LB / TON	STK
PM	.1355 LB / TON	STK
PM10	.1355 LB / TON	STK
ROG	.1205 LB / TON	STK

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2468.999 LB	716.01 LB	
PM10 (C)	10000 LB	2468.999 LB	716.01 LB	
ROG (C)	6000 LB	2195.678 LB	790.444 LB	0 LB
PHENOL (C)	4528 LB	2195.678 LB	999.034 LB	

--INCOMING STREAMS--
TPUT --> P152-00

--OUTGOING STREAMS--
P152-00 (100%) --> C150-01 (100%) --> S150-01 (100%) --> OUT

P16 **Miscellaneous** **Conveyor**

DEVICE DESC: Conveyor 1 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P16, Process 00 **Generic Throughput Process**

PROCESS NAME: Conveyors #1
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 102474 TON of PRODUCT - MINERALS
AVG TPUT: 12.55809 TON/HR
MAX TPUT: 50 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	OTHR
PM10	.0064 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2971.746 LB	8.915 LB	
PM10 (C)	10000 LB	655.834 LB	1.968 LB	

--INCOMING STREAMS--
TPUT --> P16-00

--OUTGOING STREAMS--
P16-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P161 **Miscellaneous** **Conveyor**

DEVICE DESC: Conveyor 2 - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P161, Process 01 **Generic Throughput Process**

PROCESS NAME: Conveyor 2 - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS

AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	528.42 LB	1.585 LB	
PM10 (C)	10000 LB	116.617 LB	.35 LB	

--INCOMING STREAMS--
TPUT --> P161-01

--OUTGOING STREAMS--
P161-01 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P163 **Miscellaneous** **Conveyor**

DEVICE DESC: Weigh Belt - Tower B
CONSTR DATE:
DEVICE COMMENTS:

P163, Process 00 **Generic Throughput Process**

PROCESS NAME: Weigh Belt - Tower B
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%
ANNUAL TPUT: 36442789 LB of PRODUCT - MINERALS

AVG TPUT: 22006.5151 LB/HR
MAX TPUT: 120000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	528.42 LB	1.585 LB	
PM10 (C)	10000 LB	116.617 LB	.35 LB	

--INCOMING STREAMS--
TPUT --> P163-00

--OUTGOING STREAMS--
P163-00 (100%) --> C120-01 (100%) --> S120-01 (100%) --> OUT

P17 **Miscellaneous** **Conveyor**

DEVICE DESC: Elevator 2 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P17, Process 00 **Generic Throughput Process**

PROCESS NAME: Elevator #2
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 102474 TON of PRODUCT - MINERALS

AVG TPUT: 12.55809 TON/HR
MAX TPUT: 50 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	OTHR
PM10	.0064 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2971.746 LB	8.915 LB	
PM10 (C)	10000 LB	655.834 LB	1.968 LB	

--INCOMING STREAMS--
TPUT --> P17-00

--OUTGOING STREAMS--
P17-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P21 **Miscellaneous** **Any Device**

DEVICE DESC: Day Tank 1 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P21, Process 01 **Generic Throughput Process**

PROCESS NAME: Day Tank
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 102474 TON of PRODUCT - MINERALS
AVG TPUT: 12.55809 TON/HR
MAX TPUT: 15 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.00123 LB / TON	OTHR
PM10	.000582 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	126.043 LB	.378 LB	
PM10 (C)	10000 LB	59.64 LB	.179 LB	

--INCOMING STREAMS--
TPUT --> P21-01

--OUTGOING STREAMS--
P21-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P22 **Miscellaneous** **Silo**
DEVICE DESC: Raw Silo 3 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P22, Process 02 **Generic Throughput Process**
PROCESS NAME: Raw Silo 3
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 0 Hrs/Day 0 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%
ANNUAL TPUT: 0 TON of PRODUCT - MINERALS
AVG TPUT: 0 TON/HR
MAX TPUT: 0 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0006 LB / TON	DNR
PM10	.0003 LB / TON	DNR

--INCOMING STREAMS--
TPUT --> P22-02

--OUTGOING STREAMS--
P22-02 (100%) --> C22-01 (100%) --> S22-01 (100%) --> OUT

P23 **Miscellaneous** **Any Device**

DEVICE DESC: Weigh Hopper 1 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P23, Process 01 **Generic Throughput Process**

PROCESS NAME: Weigh Hopper 1
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 102474 TON of PRODUCT - MINERALS
AVG TPUT: 12.55809 TON/HR
MAX TPUT: 15 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0051 LB / LB	OTHR
PM10	.0024 LB / LB	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	1045234.8 LB	3135.704 LB	
PM10 (C)	10000 LB	491875.2 LB	1475.626 LB	

--INCOMING STREAMS--
TPUT --> P23-01

--OUTGOING STREAMS--
P23-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P24 **Boiler/Furnace** **Process Heater**

DEVICE DESC: Raw Material Heater - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:
MAX RATED CAPACITY: MMBTU/HR

P24, Process 01 **Generic Throughput Process**

PROCESS NAME: Combustion of fuels at atmospheric pressure
SCC CODE: 10200602 10-100 Million Btu/hr
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 29.218 MMCF of Natural Gas
AVG TPUT: 3.60182 E3 FT3/H
MAX TPUT: 10 E3 FT3/H

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
CO	84 LB / MMCF	EPA
NOX	100 LB / MMCF	EPA
PM	7.6 LB / MMCF	EPA
PM10	7.6 LB / MMCF	EPA
ROG	5.5 LB / MMCF	EPA
SO2	.6 LB / MMCF	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
CO (C)	10000 LB	2454.312 LB	2454.312 LB	
NOX (C)	10000 LB	2921.8 LB	2921.8 LB	8.66908 LB
PM (C)	10000 LB	222.057 LB	.067 LB	
PM10 (C)	10000 LB	222.057 LB	.666 LB	
ROG (C)	6000 LB	160.699 LB	160.699 LB	.4768 LB
SO2 (C)	10000 LB	17.531 LB	17.531 LB	

--INCOMING STREAMS--
TPUT --> P24-01

--OUTGOING STREAMS--
P24-01 (100%) --> C19-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P24A **Miscellaneous** **Any Device**

DEVICE DESC: Dust Emissions from (P24) - Tower A
CONSTR DATE:
DEVICE COMMENTS:

P24A, Process 01 **Generic Throughput Process**

PROCESS NAME: Sand Heating
SCC CODE: 30502720 Sand Drying: Gas- or Oil-fired Rotary or Fluidized Bed Dryer
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 102474 TON of PRODUCT - MINERALS
AVG TPUT: 12.55809 TON/HR
MAX TPUT: 15 TON/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
NOX	.031 LB / TON	EPA
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
NOX (C)	10000 LB	3176.694 LB	3176.694 LB	9.42536 LB
PM (C)	10000 LB	2971.746 LB	.892 LB	
PM10 (C)	10000 LB	655.834 LB	1.968 LB	

--INCOMING STREAMS--
TPUT --> P24A-01

--OUTGOING STREAMS--
P24A-01 (100%) --> C19-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P27 **Miscellaneous** **Any Device**

DEVICE DESC: Elevator 3 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P27, Process 01 **Generic Throughput Process**

PROCESS NAME: Elevator 3
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS

AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	DNR
PM10	.0064 LB / TON	DNR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2974.561 LB	8.924 LB	
PM10 (C)	10000 LB	656.455 LB	1.969 LB	

--INCOMING STREAMS--
TPUT --> P27-01

--OUTGOING STREAMS--
P27-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P28 **Miscellaneous** **Any Device**

DEVICE DESC: Resin Tank - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P28, Process 01 **Generic Throughput Process**

PROCESS NAME: Resin Tank
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 6088839 LB of PRODUCT - MINERALS
AVG TPUT: 746.18125 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.00615 LB / TON	OTHR
PM10	.000291 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	18.723 LB	.056 LB	
PM10 (C)	10000 LB	.886 LB	.003 LB	

--INCOMING STREAMS--
TPUT --> P28-01

--OUTGOING STREAMS--
P28-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P29 **Miscellaneous** **Any Device**

DEVICE DESC: Weigh Hopper 2 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P29, Process 01 **Generic Throughput Process**

PROCESS NAME: Resin Weigh Hopper
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 6088839 LB of PRODUCT - MINERALS
AVG TPUT: 746.18125 LB/HR
MAX TPUT: 2000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.0051 LB / TON	OTHR
PM10	.0024 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	15.527 LB	.047 LB	
PM10 (C)	10000 LB	7.307 LB	.022 LB	

--INCOMING STREAMS--
TPUT --> P29-01

--OUTGOING STREAMS--
P29-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P41 **Miscellaneous** **Screen**

DEVICE DESC: Shaker Screen - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P41, Process 01 **Generic Throughput Process**

PROCESS NAME: Simplicity Screen
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS
AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	OTHR
PM10	.0011 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	307.713 LB	.923 LB	
PM10 (C)	10000 LB	112.828 LB	.338 LB	

--INCOMING STREAMS--
TPUT --> P41-01

--OUTGOING STREAMS--
P41-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P42 **Miscellaneous** **Any Device**

DEVICE DESC: Elevator 4 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P42, Process 01 **Generic Throughput Process**

PROCESS NAME: Elevator #4
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS
AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	EPA
PM10	.0064 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2974.561 LB	8.924 LB	
PM10 (C)	10000 LB	656.455 LB	1.969 LB	

--INCOMING STREAMS--
TPUT --> P42-01

--OUTGOING STREAMS--
P42-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P43 **Miscellaneous** **Screen**

DEVICE DESC: Scalping Screen - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P43, Process 01 **Generic Throughput Process**

PROCESS NAME: Sweco Screen
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS
AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	OTHR
PM10	.0011 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	307.713 LB	.923 LB	
PM10 (C)	10000 LB	112.828 LB	.338 LB	

--INCOMING STREAMS--
TPUT --> P43-01

--OUTGOING STREAMS--
P43-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P44 **Miscellaneous** **Cooler**

DEVICE DESC: Product Cooler - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P44, Process 01 **Generic Throughput Process**

PROCESS NAME: Cooling
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS

AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.003 LB / TON	OTHR
PM10	.0011 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	307.713 LB	.923 LB	
PM10 (C)	10000 LB	112.828 LB	.338 LB	

--INCOMING STREAMS--
TPUT --> P44-01

--OUTGOING STREAMS--
P44-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P45 **Miscellaneous** **Conveyor**

DEVICE DESC: Conveyor 2 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P45, Process 01 **Generic Throughput Process**

PROCESS NAME: Converyor #2
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS
AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	EPA
PM10	.0064 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2974.561 LB	8.924 LB	
PM10 (C)	10000 LB	656.455 LB	1.969 LB	

--INCOMING STREAMS--
TPUT --> P45-01

--OUTGOING STREAMS--
P45-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P46 **Miscellaneous** **Any Device**

DEVICE DESC: Elevator 5 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P46, Process 01 **Generic Throughput Process**

PROCESS NAME: Elevator #5
SCC CODE: 30502503 Material Transfer and Conveying

PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS

AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 30000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.058 LB / TON	OTHR
PM10	.0128 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	5949.123 LB	17.847 LB	
PM10 (C)	10000 LB	1312.91 LB	3.939 LB	

--INCOMING STREAMS--
TPUT --> P46-01

--OUTGOING STREAMS--
P46-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P47 **Miscellaneous** **Silo**

DEVICE DESC: Finished Silo 1 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P47, Process 01 **Generic Throughput Process**

PROCESS NAME: Finished Silo #1
SCC CODE: 30502502 Aggregate Storage
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 68380719 LB of PRODUCT - MINERALS
AVG TPUT: 8379.99007 LB/HR
MAX TPUT: 80000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.000615 LB / TON	OTHR
PM10	.000291 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	21.027 LB	10.545 LB	
PM10 (C)	10000 LB	9.949 LB	4.99 LB	

--INCOMING STREAMS--
TPUT --> P47-01

--OUTGOING STREAMS--
P47-01 (50%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P48 **Miscellaneous** **Silo**

DEVICE DESC: Finished Silo 2 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P48, Process 00 **Generic Throughput Process**

PROCESS NAME: Finish Silo #2
SCC CODE: 30200610 Removal from Bins (Tunnel Belt)
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 68380719 LB of PRODUCT - AGRICULTURE
AVG TPUT: 8379.99007 LB/HR
MAX TPUT: 80000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.000615 LB / TON	OTHR
PM10	.000291 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	21.027 LB	.063 LB	
PM10 (C)	10000 LB	9.949 LB	.03 LB	

--INCOMING STREAMS--
TPUT --> P48-00

--OUTGOING STREAMS--
P48-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P49 **Miscellaneous** **Any Device**

DEVICE DESC: Weigh Belt - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P49, Process 01 **Generic Throughput Process**

PROCESS NAME: Weigh Belt
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS
AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 120000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.029 LB / TON	EPA
PM10	.0064 LB / TON	EPA

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	2974.561 LB	8.924 LB	
PM10 (C)	10000 LB	656.455 LB	1.969 LB	

--INCOMING STREAMS--
TPUT --> P49-01

--OUTGOING STREAMS--
P49-01 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

P51 **Miscellaneous** **Any Device**

DEVICE DESC: Batch Mixer - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P51, Process 01 **Generic Throughput Process**

PROCESS NAME: Batch Mixer
SCC CODE: 30502506 Bulk Loading
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS
AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 38000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PHENOL	.1205 LB / TON	STK
PM	.1355 LB / TON	STK
PM10	.1355 LB / TON	STK
ROG	.1205 LB / TON	STK

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	13898.381 LB	4030.531 LB	
PM10 (C)	10000 LB	13898.381 LB	4030.531 LB	
ROG (C)	6000 LB	12359.815 LB	4449.533 LB	13.20191 LB
PHENOL (C)	4528 LB	12359.815 LB	5623.716 LB	

--INCOMING STREAMS--
TPUT --> P51-01

--OUTGOING STREAMS--
P51-01 (100%) --> C50-00 (100%) --> S50-00 (100%) --> OUT

P52 **Miscellaneous** **Any Device**

DEVICE DESC: Continuous Mixer - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P52, Process 01 **Generic Throughput Process**

PROCESS NAME: Continuous Mixer
SCC CODE: 30502503 Material Transfer and Conveying
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 205142157 LB of PRODUCT - MINERALS
AVG TPUT: 25139.97022 LB/HR
MAX TPUT: 38000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PHENOL	.1205 LB / TON	OTHR
PM	.1355 LB / TON	OTHR
PM10	.1355 LB / TON	OTHR
ROG	.1205 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	13898.381 LB	4030.531 LB	
PM10 (C)	10000 LB	13898.381 LB	4030.531 LB	
ROG (C)	6000 LB	12359.815 LB	4449.533 LB	13.20191 LB
PHENOL (C)	4528 LB	12359.815 LB	5623.716 LB	

--INCOMING STREAMS--
TPUT --> P52-01

--OUTGOING STREAMS--
P52-01 (100%) --> C50-00 (100%) --> S50-00 (100%) --> OUT

P71 **Miscellaneous** **Silo**

DEVICE DESC: Finish Silo 3 - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:

P71, Process 00 **Generic Throughput Process**

PROCESS NAME: Finsh silo #3
SCC CODE: 30200610 Removal from Bins (Tunnel Belt)
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%
ANNUAL TPUT: 68380719 LB of PRODUCT - AGRICULTURE
AVG TPUT: 8379.99007 LB/HR
MAX TPUT: 80000 LB/HR

--EMISSION FACTORS--

POLLUTANT	VALUE / UNIT	ORIGIN
PM	.000615 LB / TON	OTHR
PM10	.00291 LB / TON	OTHR

--EMISSIONS / YR--

POLLUTANT	NR438_THRESH	UNCNTRLD	CNTRLD	OZONE/DY
PM (C)	10000 LB	21.027 LB	.063 LB	
PM10 (C)	10000 LB	99.494 LB	.298 LB	

--INCOMING STREAMS--
TPUT --> P71-00

--OUTGOING STREAMS--
P71-00 (100%) --> C20-00 (100%) --> S20-00 (100%) --> OUT

S114 **Stack** **Stack**

DEVICE DESC: Raw Silo 1 Discharge Stack - Tower B
CONSTR DATE:
DEVICE COMMENTS:
STACK HEIGHT: 18.3 m
STACK DIAMETER: .15 m
STACK TEMP: 293 K
STACK VELOCITY: .01 m/s

S114, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Stack for P114
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
C114-01 (100%) --> S114-01

--OUTGOING STREAMS--
S114-01 (100%) --> OUT

S115 **Stack** **Stack**

DEVICE DESC: Raw Silo 2 Discharge Stack - Tower B
CONSTR DATE:
DEVICE COMMENTS:
STACK HEIGHT: 18.3 m
STACK DIAMETER: .15 m
STACK TEMP: 293 K
STACK VELOCITY: .01 m/s

S115, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Stack for P115
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
C115-01 (100%) --> S115-01

--OUTGOING STREAMS--
S115-01 (100%) --> OUT

S120 **Stack** **Stack**

DEVICE DESC: Baghouse Discharge Stack - Tower B
CONSTR DATE:
DEVICE COMMENTS:
STACK HEIGHT: 4.9 m
STACK DIAMETER: .76 m
STACK TEMP: 293 K
STACK VELOCITY: 11.9 m/s

S120, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Stack for P113, P116-117, P121-P129, P141-P149, P171
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
C120-01 (100%) --> S120-01

--OUTGOING STREAMS--
S120-01 (100%) --> OUT

S14 **Stack** **Stack**

DEVICE DESC: Raw Silo 1 Discharge Stack - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:
STACK HEIGHT: 18.9 m
STACK DIAMETER: .05 m
STACK TEMP: 293 K
STACK VELOCITY: .01 m/s

S14, Process 00 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Raw Silo 1 Discharge Stack - Tower A
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
C14-00 (100%) --> S14-00

--OUTGOING STREAMS--
S14-00 (100%) --> OUT

S15 **Stack** **Stack**

DEVICE DESC: Raw Silo 2 Discharge Stack - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:
STACK HEIGHT: 18.9 m
STACK DIAMETER: .05 m
STACK TEMP: 293 K
STACK VELOCITY: .01 m/s

S15, Process 00 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Raw Silo 2 Discharge Stack - Tower A
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
C15-00 (100%) --> S15-00

--OUTGOING STREAMS--
S15-00 (100%) --> OUT

S150 **Stack** **Stack**

DEVICE DESC: Wet Scrubber Discharge Stack - Tower B
CONSTR DATE:
DEVICE COMMENTS:
STACK HEIGHT: 22.9 m
STACK DIAMETER: .61 m
STACK TEMP: 293 K
STACK VELOCITY: 9.7 m/s

S150, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Stack for P151-153
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 5 Dys/Wk 69 Dys/Yr
QTRLY SCHEDULE: Q1: 0% Q2: 0% Q3: 0% Q4: 100%

--INCOMING STREAMS--
C150-01 (100%) --> S150-01

--OUTGOING STREAMS--
S150-01 (100%) --> OUT

S20 **Stack** **Stack**

DEVICE DESC: Baghouse Discharge Stack - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:
STACK HEIGHT: 4.9 m
STACK DIAMETER: .76 m
STACK TEMP: 293 K
STACK VELOCITY: 11.9 m/s

S20, Process 00 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Baghouse Discharge Stack - Tower A
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
C20-00 (100%) --> S20-00

--OUTGOING STREAMS--
S20-00 (100%) --> OUT

S22 **Stack** **Stack**

DEVICE DESC: Raw Silo 3 Discharge Stack - Tower A
CONSTR DATE:
DEVICE COMMENTS:
STACK HEIGHT: 18.9 m
STACK DIAMETER: .05 m
STACK TEMP: 293 K
STACK VELOCITY: .01 m/s

S22, Process 01 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Raw Silo 3 Discharge Stack
PROCESS COMMENTS:
SCHEDULE: 0 Hrs/Day 0 Dys/Wk 0 Dys/Yr
QTRLY SCHEDULE: Q1: 25% Q2: 25% Q3: 25% Q4: 25%

--INCOMING STREAMS--
C22-01 (100%) --> S22-01

--OUTGOING STREAMS--
S22-01 (100%) --> OUT

S50 **Stack** **Stack**

DEVICE DESC: Wet Scrubber Discharge Stack - Tower A
CONSTR DATE: 12/01/2005
DEVICE COMMENTS:
STACK HEIGHT: 25.6 m
STACK DIAMETER: .61 m
STACK TEMP: 293 K
STACK VELOCITY: 9.7 m/s

S50, Process 00 **Releasing/Discharging material to the atmosphere**

PROCESS NAME: Wet Scrubber Discharge Stack - Tower A
PROCESS COMMENTS:
SCHEDULE: 24 Hrs/Day 7 Dys/Wk 340 Dys/Yr
QTRLY SCHEDULE: Q1: 27% Q2: 26% Q3: 27% Q4: 20%

--INCOMING STREAMS--
C50-00 (100%) --> S50-00

--OUTGOING STREAMS--
S50-00 (100%) --> OUT

FACILITY EMISSIONS SUMMARY

-2008 SUMMARY-	--2008--	--2008--	--2008--	--2008--
--POLLUTANT--	--NR438_THRESH--	--UNCNTRLD/YR--	--CNTRLD/YR--	--OZONE/DY--
CO	10000 LB	2890.272 LB	2890.272 LB	
NOX	10000 LB	7225.683 LB	7225.683 LB	18.09444 LB
PM	10000 LB	1116223.486 LB	13531.533 LB	
PM10	10000 LB	533725.444 LB	11282.011 LB	
ROG	6000 LB	29300.23 LB	10669.199 LB	26.88062 LB
SO2	10000 LB	20.645 LB	20.645 LB	
PHENOL	4528 LB	29110.986 LB	13245.499 LB	

-2007 SUMMARY-	--2007--	--2007--	--2007--	--2007--
--POLLUTANT--	--NR438_THRESH--	--UNCNTRLD/YR--	--CNTRLD/YR--	--OZONE/DY--
NOX	10000 LB	2447.87 LB	2447.87 LB	6.72491758 LB
PM	10000 LB	1221765.92574194 LB	11370.72481772 LB	
PM10	10000 LB	582088.56603828 LB	9107.4263844 LB	
ROG	6000 LB	22309.636915 LB	8117.6343134 LB	22.30119318 LB
BENZO(JK)FLE	12 LB	.0000734361 LB	.0000734361 LB	
CO2	200000000 LB	2937444 LB	2937444 LB	
HEXANE	6000 LB	44.06166 LB	44.06166 LB	
METHANE	9999999 LB	56.30101 LB	56.30101 LB	
PHENOL	4528 LB	22175.004065 LB	10089.626849575 LB	