

TECHNICAL SUPPORT DOCUMENT
For
DRAFT/PROPOSED AIR EMISSION PERMIT NO. 04900001-003

This technical support document (TSD) is intended for all parties interested in the draft/proposed permit and to meet the requirements that have been set forth by the federal and state regulations (40 CFR § 70.7(a)(5) and Minn. R. 7007.0850, subp. 1). The purpose of this document is to provide the legal and factual justification for each applicable requirement or policy decision considered in the preliminary determination to issue the draft/proposed permit.

1. General Information

1.1 Applicant and Stationary Source Location:

Table 1. Applicant and Source Address

Applicant/Address	Stationary Source/Address (SIC Code: 2076)
Archer Daniels Midland Company 4666 Faries Parkway Decatur, IL 62525 Contact: Jeffrey Penman Phone: (651) 267-3867 jeffrey.penman@adm.com	ADM – Red Wing 126 LaGrange PO Box 074 Red Wing Goodhue County, MN 55066

1.2 Facility Description

Archer Daniels Midland Co. (ADM or Permittee) owns and operates an oilseed crushing and vegetable oil refining facility (facility) in Red Wing, Minnesota. The facility consists of emission units for oilseed receiving, storage, processing, solvent extraction/recovery, meal processing, oil refining, and steam production. The facility receives various raw oilseeds and processes them in part using hexane to extract vegetable oil. The crude vegetable oil is separated from the hexane and is further refined, stored, loaded and shipped. The remaining solids are processed into meal by de-solventizing, drying, and cooling. The meal is stored prior to shipping to customers for animal feed.

The facility emits Particulate Matter (PM), Particulate Matter less than 10 microns in size (PM₁₀), PM less than 2.5 microns in size (PM_{2.5}), Volatile Organic Compounds (VOC), Sulfur Dioxide (SO₂), Carbon Monoxide (CO), Nitrogen Oxides (NO_x) and Hazardous Air Pollutants (HAPs). PM/PM₁₀/PM_{2.5} emissions are emitted from the handling and processing of the seeds, the meal system, and the refinery. PM/PM₁₀/PM_{2.5}, SO₂, CO, NO_x and VOC emissions are emitted from the boilers. Hexane emissions (which are both VOC and HAP emissions) are released from the hexane extraction and recovery systems. The facility is a major source under federal New Source Review (NSR), the federal Operating Permit

Program (40 CFR pt. 70), and federal National Emission Standards for Hazardous Air Pollutants (NESHAPs, 40 CFR pt. 63).

1.3 Description of the Activities Allowed by this Permit Action

This permit action is a major amendment. This amendment does not impact the Consent Decree requirements.

The facility currently has eight small expellers each with an 8.5 tons/hour (tph) capacity, and two large expellers with a 30 tph capacity. The Permittee proposes to remove two of the small expellers, EU 098 and EU 099 and install a new expeller unit, EU 178, with a 30 tph capacity. Once EU 178 is operational, an additional small expeller EU 097 will be removed.

Shutdown of the three expellers and installation of the new expeller results in a process capacity increase of 4.5 tph. However, this change does not increase total expeller throughput due to the existing bottleneck of 62.5 tph at EU 090, which is the Runaround Bulk-Flow that feeds all expellers (EU 023, EU 091, EU 092, EU 093, EU 094, EU 095, EU 096, EU 097, EU 098, and EU 099, with EU 178 replacing EU 097, EU 098, and EU 099 as authorized by this permit action).

A major amendment is required for this process equipment change in order to establish the PM_{2.5} CE 010 (the expellers/conditioners cyclone) control efficiency. The existing permit does not have a CE 010 PM_{2.5} control efficiency requirement, and a CE 010 PM_{2.5} control efficiency requirement is necessary to keep the modification less than significant for PM_{2.5} emissions. Although emission calculations for uncontrolled EU 178 PM_{2.5} indicate a potential to emit of under 5 tons per year, this data is based on an assumed 80% control efficiency. If the actual efficiency is higher, uncontrolled PM_{2.5} emissions could exceed the 10 ton per year (tpy) NSR significant threshold.

1.4 Facility Emissions:

Table 2. Title I Emissions Increase Summary

Pollutant	Emissions Increase from the Modification* (tpy)	Limited Emissions Increase from the Modification** (tpy)	Limited Emissions Increase from the Modification After New PER 003 Requirements *** (tpy)	NSR/112(g) Significant Thresholds for major sources (tpy)	NSR/ 112(g) Review Required? (Yes/No)
PM	4.05	0.81	0.81	25	NO
PM ₁₀	4.83	0.97	0.97	15	NO
PM _{2.5}	4.83	4.83	0.97	10	NO
NO _x	---	---		40	Not Applicable (NA)
SO ₂	---	---		40	NA
CO	---	---		100	NA
Ozone (VOC)	---	---		40	NA
Lead	---	---		0.6	NA
CO ₂ e***	---	---		75,000	NA
Individual and total HAPs	---	---		10/25	

*These are the emission increases due to the installation of the K3 Expeller EU 178

**These are the emission increases due to the installation of the K3 Expeller EU 178 after existing PM and PM₁₀ control efficiency requirements that are already enforceable

***These are the emission increases including the CE 010 control of PM_{2.5} emissions

****Carbon dioxide equivalents as defined in Minn. R. 7007.0100

Table 3. Facility Classification

Classification	Major/Affected Source	Synthetic Minor/Area	Minor/Area
PSD	X		
Part 70 Permit Program	X		
Part 63 NESHAP	X		

2. Regulatory and/or Statutory Basis

New Source Review

The facility is an existing major source under NSR regulations. This permit action does not change this status and this permit action is not subject to NSR.

Part 70 Permit Program

The facility is a major source under the Part 70 permit program.

New Source Performance Standards (NSPS)

No New Source Performance Standards apply to the modification allowed by this permit action.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

No NESHAPs apply to the modification allowed by this permit action.

Compliance Assurance Monitoring (CAM)

CAM does not apply to the modification allowed by this permit amendment because potential uncontrolled PM/PM₁₀/PM_{2.5} emissions are not equal to or greater than 100 tons per year.

Environmental Review & AERA

The activities authorized by this permit action do not trigger environmental review or air toxics review.

Minnesota State Rules

The equipment authorized to be installed by this permit action is subject to the following Minnesota Standards of Performance:

- Minn. R. 7011.0715 Standards of Performance for Post-1969 Industrial Process Equipment

Table 4. Regulatory Overview of Units Affected by the Modification/Permit Amendment

Subject Item	Applicable Regulations	Comments:
SV 008	Title I Conditions: Limits to avoid classification as major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000	PM, PM ₁₀ , and PM _{2.5} lb/hr emission limits and emissions testing requirements to avoid a significant emissions increase at SV 008 due to the replacement of EU 097, EU 098, and EU 099 by EU 178.
CE 010	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 14	The existing permit (No. 04900001-002) contained CE 010 control efficiency requirements for only PM and PM ₁₀ , so a Title I Condition for PM _{2.5} control efficiency was added by permit No. 049000001-003.
EU 097	Minn. R. 7007.0800, subp. 2	Shutdown and notification requirements

Subject Item	Applicable Regulations	Comments:
EU 098	Minn. R. 7007.0800, subp. 2	Shutdown and notification requirements
EU 099	Minn. R. 7007.0800, subp. 2	Shutdown and notification requirements
EU 178	Minn. R. 7007.0800, subp. 2	Initial startup notification requirement

*Location of requirement in the permit (e.g., EU, SV, GP, etc.).

3. Technical Information

The medium efficiency cyclone CE 010 (that controls expeller emissions) was removed from GP 003 '80% Cyclone Control Equipment' and new (and existing) requirements applicable only to CE 010 were placed under CE 010.

3.1 Emission Calculations and Emissions Increase Analysis

The process for determining PSD applicability for a modification (such as the installation of EU 178) first examines the emissions increase due to the modification. If the potential emissions from the modification are significant (as defined at 40 CFR Section 52.21(b)(23)), the applicant can conduct emissions netting for all contemporaneous actual emission changes (as described at 40 CFR Section 52.21(b)(3)) to avoid a net significant emissions increase and a major PSD modification. If the emissions from the modification are not significant, netting is not conducted and no credit is provided for any project-related emissions decreases.

EU 178 is a new unit so the emissions change for PSD applicability purposes is the EU 178 potential emissions (of PM, PM₁₀, and PM_{2.5}). The potential emissions from the installation of EU 178 do not exceed any PSD significant emission threshold, and therefore netting is not conducted and no emissions credit is given for the removal of the three expellers (EU 097, EU 098, and EU 099) when determining PSD applicability for this modification.

Emissions from the new expeller EU 178 were calculated using PM, PM₁₀, and PM_{2.5} emission factors determined through October 2011 stack testing of the expeller/conditioner stack SV 008, the 30 tph EU 178 capacity, and CE 010 control efficiencies. The PM and PM₁₀ 80% control efficiency requirements in the existing permit for the Expeller/Conditioner medium efficiency cyclone in GP 003 were moved to CE 010 by this permit action, and an 80% CE 010 PM_{2.5} control efficiency is established by this permit action.

SV 008 PM, PM₁₀, and PM_{2.5} SV 008 limits were determined by adding a 70% buffer to the SV 008 emission rates measured during the October 2011 test. This buffer is reasonable because limited SV 008 PM, PM₁₀, and PM_{2.5} emissions (including the buffer) are no greater than 35% of the applicable NSR significant emission rate while still providing ample 'headroom' above the measured emission rate to in order to avoid unnecessary future noncompliant SV 008 stack tests for PM, PM₁₀, and/or PM_{2.5}.

3.2 Periodic Monitoring

In accordance with the Clean Air Act, it is the responsibility of the owner or operator of a facility to have sufficient knowledge of the facility to certify that the facility is in compliance with all applicable requirements.

In evaluating the monitoring included in the permit, the MPCA considered the following:

- The likelihood of the facility violating the applicable requirements;
- Whether add-on controls are necessary to meet the emission limits;
- The variability of emissions over time;
- The type of monitoring, process, maintenance, or control equipment data already available for the emission unit;
- The technical and economic feasibility of possible periodic monitoring methods; and
- The kind of monitoring found on similar units elsewhere.

The table below summarizes the periodic monitoring requirements for those emission units for which the monitoring required by the applicable requirement is nonexistent or inadequate.

Table 5. Periodic Monitoring

Subject Item*	Requirement (rule basis)	Additional Monitoring	Discussion
SV 008	$PM \leq 0.63 \text{ lb/hr}$ $PM_{10} \text{ \& } PM_{2.5} \leq 0.75 \text{ lb/hr}$ (Title I Condition: Limit to avoid classification as major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000)	Periodic stack testing and daily VE checks to verify emissions and CE 008 proper operation	The Permittee will test to verify PM, PM ₁₀ , and PM _{2.5} emissions and opacity and submit a testing frequency plan. SV 008 is controlled by CE 010 and additional periodic monitoring is found under CE 010.
CE 010	$PM_{2.5} \text{ control efficiency } \geq 80\%$ (Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 14 $PM \text{ and } PM_{10} \text{ control efficiency } \geq 80\%$ (Minn. R. 7007.0800, subp. 2 and 14)		Monitoring of visible emissions, proper operation and maintenance of CE 010, and periodic stack testing provide a reasonable assurance of compliance.

*Location of requirements in the permit (e.g., EU, SV, GP, etc.).

3.3 Insignificant Activities

This permit action does not add, remove, or change any insignificant activities.

3.4 Comments Received

Public Notice Period: <start date> - <end date>

EPA 45-day Review Period: <start date> - <end date>

4. Permit Fee Assessment

The fee calculation for this permit action is attached to this TSD. The application fee was paid when the application was submitted. Ten additional points are assessed for this permit action for the limits to avoid a major modification under new source review.

5. Conclusion

Based on the information provided by Archer Daniels Midland Company, the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 04900001-003 and this TSD, will not cause or contribute to a violation of applicable federal regulations and Minnesota Rules.

Staff Members on Permit Team: Marshall Cole (permit writer/engineer)
 Jennifer Carlson (enforcement)
 Jim Kolar (stack testing)
 Steve Gorg (peer reviewer)

AQ File No. 175F; DQ 4018

Attachments: 1. Emission Calculation Spreadsheet
 2. Facility Description and CD-01 Forms
 3. Points Calculator
 4. 2006 Fugitive Emissions Control Plan

ATTACHMENT 1

EMISSION CALCULATIONS

EU 178 (K3 Expeller) emissions data based on submittal by ADM, modified/corrected by M. Cole 9/18/12

Oct 2011 Stack Test Data, conducted by Barr Engineering, report dated Nov. 2011			
Table 3, Expeller/Cond. Particulate Matter Test Results	PM ²	PM10 ³	PM2.5 ³
Emissions concentration gr/dscf	0.0042	0.0050	0.0050
air flow rate dscf/min	10,300	10,300	10,300
Average Controlled Emissions through CE 010 off of SV 008, in lbs/hr on 10/7/2011	0.37	0.44	0.44
Calculated Emission Factor, in lbs/ton controlled	0.0062	0.0073	0.0073
Average tons/hour throughput of seeds on 10/7/11	60.1		

CONTROLLED EMISSIONS										
Emission Unit	Maximum Design Capacity (TPH)	PM Emission Factor lbs/ton	PM10 Emission Factor lbs/ton	PM2.5 Emission Factor lbs/ton	PM Emission Rate lbs/hr	PM10 Emission Rate lbs/hr	PM2.5 Emission Rate lbs/hr	PM Pollution Control Efficiency	PM10 Pollution Control Efficiency	PM2.5 Pollution Control Efficiency
New K3 Expeller EU-178	30	6.17E-03	7.34E-03	7.34E-03	0.19	0.22	0.22	80%	80%	80%

PTE Controlled (CE 010)					
PM Controlled Emission Rate (lbs/hr)	PM10 Controlled Emission Rate (lbs/hr)	PM2.5 Controlled Emission Rate (lbs/hr)	PM Controlled Emissions (tpy)	PM10 Controlled Emissions (tpy)	PM2.5 Controlled Emissions (tpy)
0.19	0.22	0.22	0.81	0.97	0.97

PTE Uncontrolled (Unrestricted)					
PM Uncontrolled Emission Rate (lbs/hr)	PM10 Uncontrolled Emission Rate (lbs/hr)	PM2.5 Uncontrolled Emission Rate (lbs/hr)	PM Uncontrolled Emissions (tpy)	PM10 Uncontrolled Emissions (tpy)	PM2.5 Uncontrolled Emissions (tpy)
0.93	1.10	1.10	4.05	4.83	4.83

Notes:

² PM = Method 5 plus Method 202 organic condensables

³ Assume PM10 = PM2.5 = Method 5 (Dry Catch) + Method 202 (Org. Cond+ Aq. Phase Cond.) = 0.44 lb/hr

30 tons per hour (tph) process throughput
10,300 dscfm (measured during 10/2011 test at
60.1 tph throughput)
5,141 dscfm (prorated flow rate for EU 178 based on EU
178 30 tpy capacity and 60.1 tph operating rate
during 10/2011 test; this probably underestimates
flow rate for operating scenario of EU 178 only,
however, it is apparent that IPER Table 1 will be the
source of the IPER PM limit and not Table 2)

Limits based on Industrial Porocess Equipment Rule (IPER; PM is filterable 5 plus organic condensables)

Table 1 Minn. R. 7011.0730	Table 2 Minn. R. 7011.0735
Mass throughput-based	Concentration-based
$E=17.31 \cdot (P/2000)^{0.16}$	$c = 0.100 \text{ for } \leq 7000 \text{ dscfm}$
E = emissions, lb/hr	c= concentration in gr/dscf
P = Process rate wight, lb/hr	V=gas volume, dscfm

E=	29.83	lb/hr	c=	0.100	gr/dscf
	130.7	tpy	E =	4.41	lb/hr PM

Table 1 limit is least restrictive

SV 008 Title I Limits

Emissions measured by October 2011 Test

	gr/dscf	dscfm	lb/hr	tpy
¹ Filterable plus organic condensables	0.0042	10300	0.37	1.62
² Filterable plus organic & aqueous condensables	0.0050	10300	0.44	1.93

¹ PM as defined by Minn. R. 7011.0725 (Method 5 plus organic condensables)

² PM₁₀ and PM_{2.5} (assumes all PM & PM₁₀ is PM_{2.5}; Method 5 plus Method 202)

Proposed Limits SV 008 (70% buffer above October 2011 tested emission rate)	lb/hr	tpy	PSD significant rate tpy	significant?	Proposed PM limit less than IPER?
PM	0.63	2.76	25	NO	YES
PM10	0.75	3.29	15	NO	NA
PM2.5	0.75	3.29	10	NO	NA

ATTACHMENT 2

FACILITY DESCRIPTION AND CD-01 FORMS



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: Total Facility

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. TOTAL FACILITY OPERATIONAL LIMITATION
2.0		CD	Title I Condition: CAAA of 1990; Minn. R. 7007.0800, subp. 2	The Permittee shall operate in accordance with the facility's Consent Decree requirements. (This requirement is effective as of December 31, 2007)
3.0		LIMIT	Title I Condition: CAAA of 1990; Minn. R. 7007.0800, subp. 2	Volatile Organic Compounds: less than or equal to 90 percent using 12-month Rolling Average (operating months) of the Solvent Loss Factor (SLF) under 40 CFR Section 63.2840(a)(1). (Volatile Organic Compounds is defined as the VOC Solvent Loss Ratio (SLR) limit in gallons/ton) (This requirement is effective as of December 31, 2007) Compliance Ratio ≤ 0.90 , where: Compliance Ratio = Actual Solvent Loss/Sum[(Crushi)*(SLFi)]; Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months excluding any allowable losses during malfunction periods as defined in Paragraph 74 of the Consent Decree; Crushi = tons of each oilseed type "i" processed during the previous 12 operating months; and SLFi = The corresponding solvent loss factor (gal/ton) for oilseed "i" as listed in Table 1 of 40 CFR 63.2840. (continued)
4.0		CD	Title I Condition: CAAA of 1990; Minn. R. 7007.0800, subp. 2	(continued) (This requirement is effective as of December 31, 2007) ADM shall begin to account for solvent loss and quantity of oilseeds processed to comply with the proposed final VOC SLR limit immediately upon proposal of the final SLR limit. The first compliance determination will be based on the first 12 operating months of data collected after the date on which the VOC SLR limit is proposed.
5.0		CD	hdr	B. RECORDKEEPING FOR OPERATIONAL LIMITATION
6.0		CD	Title I Condition: recordkeeping for CAAA of 1990; Minn. R. 7007.0800, subp. 4 and 5	Daily Recordkeeping: On each day of operation, the Permittee shall record, and maintain the total hexane usage. This shall be based on throughput logs, meters, and/or delivery records.
7.0		CD	Title I Condition: recordkeeping for CAAA of 1990; Minn. R. 7007.0800, subp. 4 and 5	Daily Recordkeeping: On each day of operation, the Permittee shall record, and maintain the total process throughput for each seed type. This shall be based on throughput logs, meters, and/or delivery records.
8.0		CD	Title I Condition: recordkeeping for CAAA of 1990; Minn. R. 7007.0800, subp. 4 and 5	Monthly Recordkeeping and Calculation of Production: By the end of each calendar month, following an operating month, for each seed type calculate and record the throughput for the previous month and the 12-month Rolling Sum. An operating month is any calendar month with at least one normal operating period. It does not include malfunction period. A normal operating period is defined in 40 CFR Section 63.2872.
9.0		CD	Title I Condition: recordkeeping for CAAA of 1990; Minn. R. 7007.0800, subp. 4 and 5	Monthly Recordkeeping of Hexane: By the end of each calendar month, following an operating month, calculate and record the hexane usage for the previous month and the 12-month Rolling Sum.
10.0		CD	hdr	C. COMPLIANCE DETERMINATION PROCEDURES FOR CONSENT DECREE (signed by U.S. District Court Judge Harold Baker of the Central District of Illinois on August 21, 2003. These requirements are effective as of December 31, 2007)
11.0		CD	Title I Condition: recordkeeping for CAAA of 1990; Minn. R. 7007.0800, subp. 4 and 5	SLR LIMIT: Compliance with the VOC SLR limit shall be determined in accordance with 40 CFR Part 63, Subpart GGGG with the following exceptions: 1) Provisions pertaining to HAP content shall not apply. 2) Monitoring and recordkeeping of solvent losses shall be conducted daily. 3) Solvent losses and quantities of oilseed produced during startup and shutdown periods shall not be excluded in determining solvent losses. 4) Records shall be kept in the form of a table, similar to that provided in the Consent Decree, showing total solvent losses, solvent losses during malfunction periods, adjusted solvent losses minus malfunction losses) monthly and on a twelve-month rolling basis.



COMPLIANCE PLAN **CD-01**

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12.0		CD	Title I Condition: recordkeeping for CAAA of 1990; Minn. R. 7007.0800, subp. 4 and 5	<p>MALFUNCTIONS: ADM may apply the provisions of 40 CFR pt. 63, subp. GGGG pertaining to malfunction periods only when the following two conditions are met:</p> <ol style="list-style-type: none">1) The malfunction results in total plant shutdown. A "total plant shutdown" means a shutdown of the solvent extraction system.2) Cumulative solvent losses during malfunction periods at a plant do not exceed 4,000 gallons in a 12-month period. <p>At all other times, ADM must include all solvent losses when determining compliance with its VOC SLR limit. During a malfunction period, ADM shall comply with the startup, shutdown and malfunction (SSM) plan as required under Subpart GGGG for the plant. The solvent loss corresponding to a malfunction period will be calculated as the difference in the total solvent inventories for the day before the malfunction period began and the day the plant resumes normal operation.</p>
13.0		CD	hdr	D. DETERMINING IF A PROJECT/MODIFICATION IS SUBJECT TO NEW SOURCE REVIEW
14.0		CD	Title I Condition: 40 CFR Section 52.21(r)(6); Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2	<p>These requirements apply if a reasonable possibility (RP) as defined in 40 CFR Section 52.21(r)(6)(vi) exists that a proposed project, analyzed using the actual-to-projected-actual (ATPA) test (either by itself or as part of the hybrid test at Section 52.21(a)(2)(iv)(f)) and found to not be part of a major modification, may result in a significant emissions increase (SEI). If the ATPA test is not used for the project, or if there is no RP that the proposed project could result in a SEI, these requirements do not apply to that project. The Permittee is only subject to the Preconstruction Documentation requirement for a project where a RP occurs only within the meaning of Section 52.21(r)(6)(vi)(b).</p> <p>Even though a particular modification is not subject to New Source Review (NSR), or where there isn't a RP that a proposed project could result in a SEI, a permit amendment, recordkeeping, or notification may still be required by Minn. R. 7007.1150 - 7007.1500.</p>
15.0		CD	Title I Condition: 40 CFR Section 52.21(r)(6); Minn. R. 7007.3000; Minn. R. 7007.1200, subp. 4; Minn. R. 7007.0800, subps. 4 & 5	<p>Preconstruction Documentation -- Before beginning actual construction on a project, the Permittee shall document the following:</p> <ol style="list-style-type: none">1. Project description2. Identification of any emission unit (EU) whose emissions of an NSR pollutant could be affected3. Pre-change potential emissions of any affected existing EU, and the projected post-change potential emissions of any affected existing or new EU.4. A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded due to increases not associated with the modification and that the EU could have accommodated during the baseline period, an explanation of why the amounts were excluded, and any creditable contemporaneous increases and decreases that were considered in the determination. <p>The Permittee shall maintain records of this documentation.</p>
16.0		CD	Title I Condition: 40 CFR Section 52.21(r)(6); Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 4 & 5	<p>The Permittee shall monitor the actual emissions of any regulated NSR pollutant that could increase as a result of the project and that were analyzed using the ATPA test, and the potential emissions of any regulated NSR pollutant that could increase as a result of the project and that were analyzed using potential emissions in the hybrid test. The Permittee shall calculate and maintain a record of the sum of the actual and potential (if the hybrid test was used in the analysis) emissions of the regulated pollutant, in tons per year on a calendar year basis, for a period of 5 years following resumption of regular operations after the change, or for a period of 10 years following resumption of regular operations after the change if the project increases the design capacity of or potential to emit of any unit associated with the project.</p>



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17.0		CD	Title I Condition: 40 CFR Section 52.21(r)(6); Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 4 & 5	<p>The Permittee must submit a report to the Agency if the annual summed (actual, plus potential if used in hybrid test) emissions differ from the preconstruction projection and exceed the baseline actual emissions by a significant amount as listed at 40 CFR Section 52.21(b)(23). Such report shall be submitted to the Agency within 60 days after the end of the year in which the exceedances occur. The report shall contain:</p> <ul style="list-style-type: none"> a. The name and ID number of the facility, and the name and telephone number of the facility contact person b. The annual emissions (actual, plus potential if any part of the project was analyzed using the hybrid test) for each pollutant for which the preconstruction projection and significant emissions increase are exceeded. c. Any other information, such as an explanation as to why the summed emissions differ from the preconstruction projection.
18.0		CD	hdr	E. OPERATIONAL REQUIREMENTS
19.0		CD	Minn. R. 7011.0020	Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted.
20.0		CD	Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)	Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment.
21.0		CD	Minn. R. 7019.1000, subp. 4	Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate.
22.0		CD	Minn. R. 7011.0150	Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150.
23.0		CD	Minn. R. 7011.0150	Fugitive Emissions Control Plan. The Permittee shall follow the actions and recordkeeping specified in the plan. The plan may be amended by the Permittee with the Commissioner's approval. If the Commissioner determines the Permittee is out of compliance with Minn. R. 7011.0150 or the fugitive control plan, then the Permittee may be required to amend the control plan and/or to install and operate particulate matter ambient monitors as requested by the Commissioner.
24.0		CD	Minn. R. 7011.1005	Permittee shall clean up commodities spilled on the driveway and other facility property as required to minimize fugitive emissions to a level consistent with RACT and maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed. Comply with all other requirements listed in Minn. R. 7011.1005.
25.0		CD	Minn. R. 7011.1010	Permittee may not operate or maintain a facility that creates a public nuisance.
26.0		CD	Minn. R. 7011.1015	Permittee must comply with the control requirements listed in Minn. R. 7011.1015.
27.0		CD	Minn. R. 7007.0800, subp. 9(A)	Inspections: Upon presentation of credentials and other documents as may be required by law, allow the Agency, or its representative, to enter the Permittee's premises to have access to and copy any records required by this permit, to inspect at reasonable times (which include any time the source is operating) any facilities, equipment, practices or operations, and to sample or monitor any substances or parameters at any location.
28.0		CD	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)	Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, unless otherwise noted in Table A.
29.0		CD	Minn. R. 7030.0010 - 7030.0080	Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement and is not federally enforceable.
30.0		CD	Minn. R. 7007.0800, subp. 16	The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.
31.0		CD	hdr	F. MONITORING REQUIREMENTS
32.0		CD	Minn. R. 7007.0800, subp. 6	Visible Emission Monitoring: The permittee shall submit to the MPCA a 30-day notification if the Permittee has to perform a Method 9 test based on periodic visible emission monitoring unless more immediate testing is required by this permit. The Method 9 test shall be conducted a minimum of 1 hour.



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33.0		CD	Minn. R. 7007.0800, subp. 4(D)	Monitoring Equipment Calibration: Annually calibrate all required monitoring equipment (any requirements applying to continuous emission monitors are listed separately in this permit).
34.0		CD	Minn. R. 7007.0800, subp. 4(D)	Monitoring Equipment: Install or make needed repairs to monitoring equipment within 60 days of issuance of the permit if monitoring equipment is not installed and operational on the date the permit is issued.
35.0		CD	Minn. R. 7007.0800, subp. 4(D)	Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, or during checks of the monitoring systems, such as calibration checks and zero and span adjustments. If monitoring records are required, they should reflect any such periods of process shutdown or checks of the monitoring system.
36.0		CD	hdr	G. PERFORMANCE TESTING REQUIREMENTS
37.0		CD	Minn. R. ch. 7017	Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in Tables A, B, and/or C.
38.0		CD	Minn. R. 7017.2030, subp. 1-4 and Minn. R. 7017.2035, subp. 1-2	Performance Test Notifications and Submittals: Performance Tests are due as outlined in Tables A and B of the permit. See Table B for additional testing requirements. Performance Test Notification (written): due 30 days before each Performance Test Performance Test Plan: due 30 days before each Performance Test Performance Test Pre-test Meeting: due 7 days before each Performance Test Performance Test Report: due 45 days after each Performance Test Performance Test Report - Microfiche Copy: due 105 days after each Performance Test The Notification, Test Plan, and Test Report may be submitted in alternative format as allowed by Minn. R. 7017.2018.
39.0		CD	Minn. R. 7017.2025	Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as specified by Minn. R. 7017.2025 following formal review of a subsequent performance test on the same unit.
40.0		CD	Minn. R. 7007.0800, subp. 4(D)	Visible emissions training: The Permittee shall ensure at all times that at least one plant employee be certified in USEPA Method 9 visible emission evaluation procedures. This person will train other plant employees to perform the daily visible emissions check.
41.0		CD	Minn. R. 7007.0800, subp. 4(D)	The Permittee shall conduct visible emission checks once each operating day. If inclement weather is present, the Permittee shall record the pressure drop.
42.0		CD	Minn. R. 7007.0800, subp. 4(D)	If visible emissions are observed, the Permittee shall conduct corrective actions to restore 0% opacity.
43.0		CD	Minn. R. 7007.0800, subp. 4(D)	If after exhausting all corrective actions visible emissions remain, the Permittee shall conduct a Method 9 test according to Minnesota rules.
44.0		CD	Minn. R. 7007.0800, subp. 4(D)	If the Permittee performs a Method 9 test and the results indicate opacity readings at or above the permitted limit, the Permittee shall contact a certified third party to conduct a second Method 9 test.
45.0		CD	Minn. R. 7007.0800, subp. 4(D)	The results of the second Method 9 test shall be submitted to the MPCA.
46.0		CD	Minn. R. 7007.0800, subp. 4(D)	All visible emissions shall be reported on the semiannual deviations report.
47.0		CD	hdr	H. RECORDKEEPING
48.0		CD	Minn. R. 7007.0800, subp. 5(B)	Recordkeeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007.1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350, subp. 2), including records of the emissions resulting from those changes.
49.0		CD	Minn. R. 7007.0800, subp. 5(C)	Recordkeeping: Retain all records at the stationary source, or a designated site, for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at the stationary source, or a designated site, include all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A).



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50.0		CD	Minn. R. 7007.1200, subp. 4	When the Permittee determines that no permit amendment or notification is required prior to making a change, the Permittee must retain records of all calculations required under Minn. R. 7007.1200. For expiring permits, these records shall be kept for a period of five years from the date the change was made or until permit reissuance, whichever is longer. For nonexpiring permits, these records shall be kept for a period of five years from the date that the change was made. The records shall be kept at the stationary source for the current calendar year of operation and may be kept at the stationary source or office of the stationary source for all other years. The records may be maintained in either electronic or paper format.
51.0		CD	hdr	I. REPORTING/SUBMITTALS
52.0		CD	Minn. R. 7019.1000, subp. 3	Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3. At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.
53.0		CD	Minn. R. 7019.1000, subp. 2	Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2. At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.
54.0		CD	Minn. R. 7019.1000, subp. 1	Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment.
55.0		CD	Minn. R. 7019.1000, subp. 1	Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description: 1. the cause of the deviation; 2. the exact dates of the period of the deviation, if the deviation has been corrected; 3. whether or not the deviation has been corrected; 4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and 5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.
56.0		CD	Minn. R. 7007.1150 through Minn. R. 7007.1500	Application for Permit Amendment: If a permit amendment is needed, submit an application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed.
57.0		CD	40 CFR Section 63.52(b)(1) and 63.52(e)(1)	For changes that do not require a permit amendment: - The Permittee shall submit a Part 1 MACT application within 30 days of startup of any 112(j) affected source. The application shall meet the requirements of 40 CFR Section 63.53(a). - The Permittee shall submit a Part 2 MACT application within 90 days of startup of any 112(j) affected source. The application shall meet the requirements of 40 CFR Section 63.53(b). 112(j) affected source is defined in 40 CFR Section 63.51. As of permit issuance, 112(j) affected sources include industrial, commercial, and institutional boilers and process heaters; brick and structural clay products manufacturing; clay ceramics manufacturing.
58.0		S/A	Minn. R. 7007.0400, subp. 3	Application for Permit Reissuance: due 180 days before expiration of Existing Permit
59.0		CD	Minn. R. 7007.1400, subp. 1(H)	Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H).



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60.0		S/A	Minn. R. 7007.0800, subp. 6(A)(2)	Semiannual Deviations Report: due 30 days after end of each calendar half-year starting 02/28/2006 . The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31. If no deviations have occurred, the Permittee shall submit the report stating no deviations.
61.0		S/A	Minn. R. 7007.0800, subp. 6(C)	Compliance Certification: due 30 days after end of each calendar year starting 02/28/2006 (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner and to the US EPA regional office in Chicago. The report covers all deviations experienced during the calendar year.
62.0		CD	Minn. R. 7019.3000 through Minn. R. 7019.3010	Emission Inventory Report: due April 1 after end of each calendar year following permit issuance. To be submitted on a form approved by the Commissioner.
63.0		CD	Minn. R. 7002.0005 through Minn. R. 7002.0095	Emission Fees: due 60 days after receipt of an MPCA bill.
64.0		CD	hdr	J. NESHAP REQUIREMENTS
65.0		CD	40 CFR Part 63 MACT Subpart GGGG: Solvent Extraction for Vegetable Oil Production	The Permittee shall comply with the applicable provisions below based on 40 CFR Section 63, subpart GGGG, Solvent Extraction for Vegetable Oil Production by April 12, 2004, compliance date of the MACT or any alternative date that US EPA approves.
66.0		CD	40 CFR Sections 63.40 to 63.44; Minn. R. 7007.3010	The Permittee shall not "construct" or "reconstruct" a major source of hazardous air pollutants as defined in 40 CFR Section 63.2, without first obtaining a preconstruction permit.
67.0		CD	hdr	K. EMISSION LIMITS FOR NESHAP
68.0		CD	40 CFR Section 63.2840(c)	Compliance Ratio: less than or equal to 1.00 for the previous 12 operating months.
69.0		CD	40 CFR Section 63.2840	Compliance Ratio= [f * (Actual Solvent Loss)]/ 0.64*Allowable Solvent Loss] Where: f = the weighted average volume fraction of HAP in solvent received during the previous 12 operating months, dimensionless. 0.64 = The average volume fraction of HAP in solvent in the baseline performance data, dimensionless. Actual Solvent Loss = Quantity of actual solvent loss during previous 12 operating months (gallons) Allowable Solvent Loss = [the summation of the Quantities of each of the oilseeds processed during the previous 12 operating months (tons) multiplied by their corresponding oilseed solvent loss factors].
70.0		CD	hdr	L. GENERAL CALCULATIONS FOR NESHAP and CONSENT DECREE
71.0		CD	40 CFR Section 63.2840	Compliance Ratio Calculation: By the end of each calendar month following an operating month, calculate the compliance ratio for the previous 12 operating months. An operating month is any calendar month with at least one normal operating period. It does not include malfunction period. A normal operating period is defined in 40 CFR Section 63.2872.
72.0		CD	40 CFR Section 63.2853	Calculation-Actual Solvent loss: By the end of each calendar month following an operating month, calculate the actual extraction solvent loss during the previous operating month using the following: Monthly Actual Solvent (gal) = summation from i = 1 to n (SOLVb - SOLVe + SOLVr +/- SOLVa) Where: SOLVb = Gallons of solvent in the inventory at the beginning of normal operating period ``i'' as determined in paragraph (a)(3) of this section. SOLVe = Gallons of solvent in the inventory at the end of normal operating period ``i'' as determined in 40 CFR Section 63.2853(a)(3). SOLVr = Gallons of solvent received between the beginning and ending inventory dates of normal operating period ``i'' as determined in 40 CFR 63.2853(a)(4). SOLVa = Gallons of solvent added or removed from the extraction solvent inventory during normal operating period ``i'' as determined in 40 CFR 63.2853(a)(5) n = Number of normal operating periods in a calendar month.



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73.0		CD	40 CFR Section 63.2853	Calculation - 12-month Rolling Sum of actual solvent loss: The owner or operator shall calculate the 12-month rolling sum actual solvent loss by summing the previous 12 operating month solvent losses.
74.0		CD	40 CFR Section 63.2854	Calculation - Monthly Weight Average HAP Content: By the end of each calendar month following an operating month, calculate weighted average HAP content (volume fraction). The monthly weighted average HAP content is to be determined using the following equation: Monthly Weighted Average HAP Content of Extraction Solvent (volume fraction) = $\text{Summation from } i = 1 \text{ to } n (\text{Received}_i * \text{content}_i) / \text{Total Received}$ Where: Received _i = Gallons of extraction solvent received in delivery "i." Content _i = The volume fraction of HAP in extraction solvent delivery "i." Total Received = Total gallons of extraction solvent received since the end of the previous operating month. n = Number of extraction solvent deliveries since the end of the previous operating month.
75.0		CD	40 CFR Section 63.2854	Calculation: 12-month Weighted Average of HAP Content of Solvent Received using the following: 12-Month Weighted Ave. of HAP Content in Solvent Received (Vol. Frac.) = $\text{Summation from } i = 1 \text{ to } 12 (\text{Received}_i * \text{Content}_i) / \text{Total Received}$ Where Received _i = Gallons of extraction solvent received in operating month "i" as determined in 40 CFR Section 63.2853(a)(4). Content = Average volume fraction of HAP in extraction solvent received in operating month "i" as determined in 40 CFR Section 63.2854 (b)(1) Total Received = Total gallons of extraction solvent received during the previous 12 operating months.
76.0		CD	40 CFR Section 63.2855	Calculation - Oilseed Quantity Processed: By the end of each calendar month following an operating month, calculate the monthly quantity of each oilseed processed by using the following equation: Monthly Quantity of Oilseed Processed = $\text{Summation from } i = 1 \text{ to } n (\text{SEEDb} - \text{SEEDe} + \text{SEEDr} \pm \text{SEEDa})$ Where SEEDb = Tons of oilseed in the inventory at the beginning of normal operating period "i" as determined in 40 CFR Section 63.2855(a)(3) SEEDe = Tons of oilseed in the inventory at the end of normal operating period "i" as determined in accordance with 40 CFR Section 63.2855(a)(3) SEEDr = Tons of oilseed received during normal operating period "i" as determined in 40 CFR Section 63.2855(a)(4) of this section. SEEDa = Tons of oilseed added or removed from the oilseed inventory during normal operating period "i" as determined in 40 CFR Section 63.2855(a)(5) n = Number of normal operating periods in the calendar month during which this type oilseed was processed.
77.0		CD	40 CFR Section 63.2855	Calculation - 12-Month Rolling Sum: Calculate the 12-month rolling sum of the oilseed quantity processed by summing the monthly oilseed quantity processed for the previous 12 operating months.
78.0		CD	Title I Condition: CAAA of 1990; Minn. R. 7007.0800, subp. 2	Calculation - Capacity Weighted Average for the VOC SLR Limit: Compliance Ratio = $\text{Actual Solvent Loss} / \text{Summation } [(\text{Crushi}) * (\text{SLFi})]$ Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months excluding any allowable losses during malfunction periods as defined in paragraph 74 of the Consent Decree. Crushi = Tons of each oil seed type "i" processed during the previous 12 operating months. SLFi = The corresponding solvent loss factor (gal/ton) for oil seed "i" as listed in Table 1 of 40 CFR Section 63.2840
79.0		CD	hdr	M. RECORDKEEPING REQUIREMENTS FOR NESHAP and CONSENT DECREE
80.0		CD	40 CFR Section 63.2851(a)	Plan for Demonstrating Compliance: The owner or operator shall develop and implement a written Plan for demonstrating Compliance. The Plan must include the following : 1. a detailed description of the method of measurement, measurement frequency, calculations, and quality assurance/quality control plan; recordkeeping, and reporting procedures that will be followed to determine source compliance.



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81.0		CD	40 CFR Section 63.2852	Plan for Startup, Shutdown, and Malfunction (SSM): The owner or operator shall develop and implement a written SSM plan. At a minimum, this plan is to include: 1. a detailed procedure for operating and maintain the facility to minimize emissions during any SSM event, periods of non-operation associated with a SSM event, and periods of initial startup operation; and 2. a specified program of corrective action for malfunctioning process and air pollution control equipment; and 3) specified procedures for estimating solvent loss during each such SSM event.
82.0		CD	40 CFR Section 63.2862(b)	Recordkeeping of Compliance Plans: The owner or operator must maintain the plan for demonstrating compliance and the SSM plan for your facility and keep them on-site and readily available as long as the source is operational.
83.0		CD	40 CFR Section 63.2862(c)(1)	Recording- Solvent Inventory: By the end of each calendar month following an operating month, record the following information for the previous operating month. At a minimum, these records must include: 1. Dates that define each operating status period during a calendar month; 2. The operating status of your source such as normal operation, no operating, malfunction period, or exempt operation for each recorded time interval; 3. The gallons of extraction solvent in the inventory on the beginning and ending dates of each normal operating period; 4. The gallons of all extraction solvent received, purchased, and recovered during each calendar month; 5. All extraction solvent inventory adjustments, additions, or subtractions. You must document the reason for the adjustment and justify the quantity of the adjustment; 6. The total solvent loss for each calendar month, regardless of the source operating status, and 7. The actual solvent loss in gallons for each operating month.
84.0		CD	40 CFR Section 63.2862(c)(2)	Recording - Average HAP Content: By the end of each calendar month following an operating month, record the following information for the average HAP content in the extraction solvent, for the previous operating month: 1. The gallons of extraction solvent received in each delivery; 2. The volume fraction of each HAP exceeding 1 percent by volume in each delivery of extraction solvent, and 3. The weighted average volume fraction of HAP in extraction solvent received since the end of the last operating month as determined in 40 CFR Section 63.2854 (b)(2).
85.0		CD	40 CFR Section 63.2862(c)(3)	Recording - Seed Processed Weight: At a minimum record the following: 1. The dates that define each operating status period. These dates must be the same as the dates entered for the extraction solvent inventory; 2. The operating status of your source such as normal operation, no operating, malfunction period, or exempt operating for each recorded time interval. On the log for each type of listed oilseed that is not being processed during a normal operating period, you must record which type of listed oilseed is being processed in addition to the source operating status; 3. The oilseed inventory for the type of listed oilseed that is being processed during a normal operating period, you must record which type of listed oilseed is being processed in addition to the source operating status; 4. The tons of each type of listed oilseed received at the affected source each normal operating period;
86.0		CD	CONTINUED: 40 CFR Section 63.2862(c)(3)	5. All listed oilseed inventory adjustments, additions, or subtractions for normal operating periods. You must document the reason for the adjustment and justify the quantity of the adjustment; and 6. The tons of each type of listed oilseed processed during each operating month.
87.0		CD	40 CFR Section 63.2862(d)	After your source has processed listed oilseed for 12 operating months and you are not operating during an initial start-up as described in 40 CFR Section 63.2850(d)(2), or a malfunction period as described in 40 CFR Section 63.2850(e)(2), you must record the following:
88.0		CD	CONTINUED: 40 CFR Section 63.2862(d)(1)	(CONTINUED) Recordkeeping of actual solvent: by the end of the calendar month following each operating month, you must record the 12 operating months rolling sum of the actual solvent loss in gallons.
89.0		CD	40 CFR Section 63.2862(d)(2)	Recordkeeping of fraction of HAP: by the end of the calendar month following each operating month, you must record weighted average volume fraction of HAP in extraction solvent received for the previous 12 operating months.
90.0		CD	40 CFR Section 63.2862(d)(3)	Recordkeeping of oilseed processed: by the end of the calendar month following each operating month, you must record the 12 operating months rolling sum of each type of listed oilseed processed in tons.



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91.0		CD	40 CFR Section 63.2862(d)(4)	Recordkeeping for compliance ratio: By the end of each calendar month following an operating month, you must record the compliance ratio for each 12 month operating period.
92.0		CD	40 CFR Section 63.2862(d)(5)	Recordkeeping of compliance status: By the end of each calendar month following an operating month, you must record a statement of whether the source is in compliance with all of the requirements of subpart GGGG. This includes a determination of whether you have met all of the applicable requirements in 40 CFR Section 63.2850.
93.0		CD	40 CFR Section 63.2862(e)	Recordkeeping of each SSM event: For each SSM event subject to a malfunction period, you must record the following by the end of the calendar month following each month in which a malfunction period occurred: 1. A description and date of the SSM event, its duration, and reason it qualifies as a malfunction; 2. An estimate of the solvent loss in gallons for the duration of the malfunction period with supporting document; and 3. A checklist or other mechanism to indicate whether the SSM plan was followed during the malfunction period.
94.0		CD	hdr	N. REPORTING REQUIREMENTS FOR NESHAP and CONSENT DECREE
95.0		S/A	40 CFR Section 63.2861(a)	Compliance Certification: due before end of each year starting 06/20/2005 (year is defined as 12 calendar months) Each subsequent annual compliance certification is due 12 calendar months after the previous annual compliance certification. The annual compliance certification provides the compliance status for each operating month during the 12 calendar months period ending 60 days prior to the date on which the report is due. Include the following information in the compliance certification: (1) The name and address of the owner or operator; (2) The physical address of the vegetable oil production process; (3) Each listed oilseed type processed during the 12 calendar months period covered by the report; (4) Each HAP identified under 40 CFR Section 63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report; and (continued)
96.0		S/A	CONTINUED: 40 CFR Section 63.2861(a)	Compliance Certification: due before end of each year starting 06/20/2005 (CONTINUED) (year is defined as 12 calendar months) (5) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source; and (6) A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report. For each such compliance determination, you must include a certification of the following: (i) You are following the procedures described in the plan for demonstrating compliance and (ii) The compliance ratio is less than or equal to 1.00.
97.0		CD	40 CFR Section 63.2861(b)	Notification of Deviation Report: The deviation notification report must be submitted for each operating month, in which the compliance ratio exceeds 1.00. The report must be submitted by the end of the month following the calendar month in which the deviation occurred. This report must include the compliance ratio comprising the deviation. (1) The name and address of the owner or operator; (2) The physical address of the vegetable oil production process; (3) Each listed oilseed type processed during the 12 operating months period for which you determined the deviation; and (4) The compliance ratio comprising the deviation. You may reduce the frequency of submittal of the deviation notification report if the agency responsible for these NESHAP does not object as provided in 40 CFR Section 63.10(e)(3)(iii).



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98.0		CD	40 CFR Section 63.2861(c)	<p>Periodic SSM Report: By the end of the calendar month, submit a periodic startup, shutdown or malfunction (SSM) report for the previous month during which the source has been operated under an initial startup period or a malfunction period. The SSM report must include the following:</p> <ol style="list-style-type: none">1. The name, title, and signature of the source's responsible official who is certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the SSM plan;2. A description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial startup or malfunction period;3. An estimate of the solvent loss during the initial startup or malfunction period with supporting documentation.
99.0		CD	40 CFR Section 63.2861(d)	<p>Immediate SSM Reports: Within 2 working days after commencing actions inconsistent with the SSM plan, submit an immediate SSM report consisting of a telephone call or facsimile transmission followed by a letter within 7 working days of the event. The SSM report must include the following:</p> <ol style="list-style-type: none">1. The name, title, and signature of the source's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM Plan;2. A description and date of the SSM event, its duration, and reason it qualifies as a SSM; and3. An estimate of the solvent loss for the duration of the SSM event with supporting documentation.
100.0		CD	40 CFR Section 63.2863	<p>Records on-site:</p> <ol style="list-style-type: none">(a) Your records must be in a form suitable and readily available for review in accordance with 40 CFR Section 63.10(b)(1);(b) As specified in 40 CFR Section 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record; and(c) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, in accordance with 40 CFR Section 3.10(b)(1). You can keep the records off-site for the remaining 3 years.
101.0		S/A	Minn. R. 7007.0800, subp. 2	<p>Computer Dispersion Modeling Protocol: due 1096 days after 02/28/2006 . Submit modeling data as specified in MPCA guidance for Modeling Information Requests (for PM10, SO2 and NOx). This modeling information is for data collection purposes, no modeling analysis is required at this time. This is a state only requirement and is not enforceable by the EPA Administrator or citizens under the Clean Air Act.</p>



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Subject Item: GP 001 99% Fabric Filter Control Equipment

Associated Items: CE 006 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 007 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 008 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 009 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 014 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	The requirements of this group apply separately to each item listed under this group.
2.0		CD	hdr	A. OPERATIONAL REQUIREMENTS
3.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the control equipment any time that the process equipment that it controls is in operation such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 99 percent control efficiency
4.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the control equipment any time that the process equipment that it controls is in operation such that it achieves an overall control efficiency for Particulate Matter < 10 micron: greater than or equal to 99 percent control efficiency
5.0		CD	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the fabric filter at all times that any emission unit controlled by the fabric filter is in operation. The Permittee shall document periods of non-operation of the control equipment.
6.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	Pressure Drop: greater than or equal to 0.5 inches of water column and less than or equal to 8.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every 24 hours when in operation. The Permittee shall install instrumentation to measure the pressure drop across the baghouse.
7.0		CD	Minn. R. 7007.0800, subp. 4 and 5	Visible Emissions: The Permittee shall check the fabric filter stack for any visible emissions once each day of operation during daylight hours. During inclement weather, the Permittee shall read and record the pressure drop across the fabric filter, once each day of operation.
8.0		CD	Minn. R. 7007.0800, subp. 14	The Permittee shall operate and maintain the fabric filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.
9.0		CD	hdr	B. MONITORING AND RECORDKEEPING REQUIREMENTS
10.0		CD	Minn. R. 7007.0800, subp. 4 and 5	Recordkeeping of Visible Emissions and Pressure Drop: The Permittee shall record the time and date of each visible emission inspection and pressure drop reading, and whether or not any visible emissions were observed, and whether or not the observed pressure drop was within the range specified in this permit
11.0		CD	Minn. R. 7007.0800, subp. 4, 5 and 14	Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; - the recorded pressure drop is outside the required operating range; or - the fabric filter or any of its components are found during the inspections to need repair. Corrective actions shall return the pressure drop to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter.
12.0		CD	Minn. R. 7007.0800, subp. 4	Monitoring Equipment: The Permittee shall install and maintain the necessary monitoring equipment for measuring and recording pressure drop as required by this permit. The monitoring equipment must be installed, in use, and properly maintained when the monitored fabric filter is in operation.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

13.0		CD	Minn. R. 7007.0800, subp. 4, 5 & 14	Periodic Inspections: At least once per calendar year, or more frequently as required by the manufacturing specifications, the Permittee shall inspect the control equipment components. The Permittee shall maintain a written record of these inspections.
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COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: GP 002 89% Fabric Filter Control Equipment

Associated Items: CE 002 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 003 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 004 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

CE 021 Fabric Filter - Low Temperature, i.e., T<180 Degrees F

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	The requirements of this group apply separately to each item listed under this group.
2.0		CD	hdr	A. OPERATIONAL REQUIREMENTS
3.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the control equipment any time that the process equipment that it controls is in operation such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 89 percent control efficiency
4.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the control equipment any time that the process equipment that it controls is in operation such that it achieves an overall control efficiency for Particulate Matter < 10 micron: greater than or equal to 89 percent control efficiency
5.0		CD	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the fabric filter at all times that any emission unit controlled by the fabric filter is in operation. The Permittee shall document periods of non-operation of the control equipment.
6.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	Pressure Drop: greater than or equal to 0.5 inches of water column and less than or equal to 8.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every 24 hours when in operation. The Permittee shall install instrumentation to measure the pressure drop across the baghouse.
7.0		CD	Minn. R. 7007.0800, subp. 4 and 5	Visible Emissions: The Permittee shall check the fabric filter stack for any visible emissions once each day of operation during daylight hours. During inclement weather, the Permittee shall read and record the pressure drop across the fabric filter, once each day of operation.
8.0		CD	Minn. R. 7007.0800, subp. 14	The Permittee shall operate and maintain the fabric filter in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.
9.0		CD	hdr	B. MONITORING AND RECORDKEEPING REQUIREMENTS
10.0		CD	Minn. R. 7007.0800, subp. 4 and 5	Recordkeeping of Visible Emissions and Pressure Drop: The Permittee shall record the time and date of each visible emission inspection and pressure drop reading, and whether or not any visible emissions were observed, and whether or not the observed pressure drop was within the range specified in this permit
11.0		CD	Minn. R. 7007.0800, subp. 4, 5 and 14	Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; - the recorded pressure drop is outside the required operating range; or - the fabric filter or any of its components are found during the inspections to need repair. Corrective actions shall return the pressure drop to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the fabric filter. The Permittee shall keep a record of the type and date of any corrective action taken for each filter.
12.0		CD	Minn. R. 7007.0800, subp. 4	Monitoring Equipment: The Permittee shall install and maintain the necessary monitoring equipment for measuring and recording pressure drop as required by this permit. The monitoring equipment must be installed, in use, and properly maintained when the monitored fabric filter is in operation.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

13.0		CD	Minn. R. 7007.0800, subp. 4, 5 & 14	Periodic Inspections: At least once per calendar year, or more frequently as required by the manufacturing specifications, the Permittee shall inspect the control equipment components. The Permittee shall maintain a written record of these inspections.
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COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: GP 003 80% Cyclone Control Equipment

Associated Items: CE 005 Centrifugal Collector - Medium Efficiency

CE 013 Centrifugal Collector - Medium Efficiency

CE 015 Centrifugal Collector - Medium Efficiency

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	The requirements of this group apply separately to each item listed under this group.
2.0		CD	hdr	A. OPERATIONAL REQUIREMENTS
3.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the control equipment that it achieves an overall efficiency for Total Particulate Matter: greater than or equal to 80 percent control efficiency
4.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the control equipment that it achieves an overall efficiency for Particulate Matter < 10 micron: greater than or equal to 80 percent control efficiency
5.0		CD	Minn. R. 7007.0800, subp. 2 and 14; Minn. R. 7011.1005, subp. 1. B	The Permittee shall operate and maintain the cyclone at all times that any emission unit controlled by the cyclone is in operation. The Permittee shall document periods of non-operation of the control equipment.
6.0		CD	Minn. R. 7007.0800, subp. 14	The Permittee shall operate and maintain the cyclone in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.
7.0		CD	Minn. R. 7007.0800, subp. 4 and 5	Visible Emissions: The Permittee shall check the cyclone stack for any visible emissions once each day of operation during daylight hours.
8.0		CD	hdr	B. MONITORING AND RECORDKEEPING REQUIREMENTS
9.0		CD	Minn. R. 7007.0800, subp. 4 & 5	Recordkeeping of Visible Emissions: The Permittee shall record the time and date of each visible emission inspection and whether or not any visible emissions were observed.
10.0		CD	Minn. R. 7007.0800, subp. 4, 5 & 14	Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; - the cyclone or any of its components are found during the inspections to need repair. Corrective actions shall return the operation to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the cyclone. The Permittee shall keep a record of the type and date of any corrective action taken.
11.0		CD	Minn. R. 7007.0800, subp. 4, 5 & 14	Periodic Inspections: At least once per calendar year, or more frequently as required by the manufacturing specifications, the Permittee shall inspect the control equipment components. The Permittee shall maintain a written record of these inspections.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 002 Truck Receiving Pit 2

Associated Items: EU 002 Truck Dump Drag Conveyor 2

EU 068 S-N Drag Conveyor

EU 069 Truck Dump Elevator Leg #2

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.1005, subp. 3(A)	Opacity: less than or equal to 5 percent for fugitive emissions from railcar/truck unloading operations and material handling operations.
3.0		LIMIT	Minn. R. 7011.1005, subp. 3(D)	Opacity: less than or equal to 10 percent from control equipment.
4.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subp. 2	The fabric filter (CE002) shall be operated at all times when the emission unit is in operation. See GP002 for fabric filter requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 003 Railcar Receiving

Associated Items: EU 003 Rail Pit Belt Conveyor 1

EU 070 Rail Pit Conveyor #2

EU 071 Rail Seed Elevator Leg

EU 072 Driveway Drag

EU 152 N-S Rail Belt Conveyor

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.1005, subp. 3(A)	Opacity: less than or equal to 5 percent for fugitive emissions from railcar/truck unloading operations and material handling operations.
3.0		LIMIT	Minn. R. 7011.1005, subp. 3(D)	Opacity: less than or equal to 10 percent from control equipment.
4.0		LIMIT	Title I Condition: Limit taken to avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.01 grains/dry standard cubic foot
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		CD	Title I Condition: Limit taken to avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2	The fabric filter (CE003) shall be operated at all times when the emission unit is in operation. See GP002 for fabric filter requirements.
7.0		CD	hdr	SPECIFIC PERFORMANCE TESTING
8.0		S/A	Minn. R. 7017.2020, subp. 1 and 40 CFR Section 60.8(a)	Performance Test: due before end of each 60 months starting 11/21/2006 for PM emissions, PM10 emissions and opacity.
9.0		S/A	Minn. R. 7017.2020, subp. 1	Testing Frequency Plan: due 60 days after Performance Test. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on one-year (12 month), 36 month, and 60 month intervals, or as applicable, shall be required upon written approval of the MPCA.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 004 Process Elevator 1a & 1b

Associated Items: EU 001 Truck Dump Drag Conveyor 1
EU 008 Screw Conveyor to Tank 1000 #1
EU 073 Screw Conveyor to Tank 1000 #2
EU 074 Tank 1000 Discharge Drag Conveyor
EU 075 Drag Conveyor to Turnhead
EU 076 Seed Cleaner
EU 077 Bin #108 Feeder
EU 086 Seed Cleaner
EU 146 Rail Elevator Leg-150'
EU 147 Enclosed Drag Conveyor
EU 149 Seed Hi-Roller to Inside Elevator Leg w/ 8' extension
EU 150 Inside Silo Elevator Leg
EU 155 Dryer Feed Screw Conveyor
EU 156 Dryer Discharge Elevator Leg
EU 157 Bridge Drag Conveyor
EU 158 Seed Day Bin

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.1005, subp. 3(A)	Opacity: less than or equal to 5 percent for fugitive emissions from railcar/truck unloading operations and material handling operations.
3.0		LIMIT	Minn. R. 7011.1005, subp. 3(D)	Opacity: less than or equal to 10 percent from control equipment.
4.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
5.0		CD	Minn. R. 7007.0800, subp. 2	The fabric filter (CE006) shall be operated at all times when the emission unit is in operation. See GP001 for fabric filter requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 005 Old Flour Mill

Associated Items: EU 011 Elevator Leg

EU 078 160' Leg at Flour Mill Elevator

EU 079 Drag Conveyor to Seed Bins

EU 080 Drag Conveyor from Bins

EU 081 Screw N-S to Tanks 151 and 152

EU 082 Screw From Tank 151 to 152

EU 083 151 and 152 Discharge Screw W-E

EU 084 Screw from Tank 151 to Truck Dump Leg

EU 085 Screw Under Bins 1-6 Flour Mill Elevator

EU 135 Incline Screw to Tanks 151 and 152

EU 151 Screw Conveyor to Bins 1-6

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.1005, subp. 3(A)	Opacity: less than or equal to 5 percent for fugitive emissions from railcar/truck unloading operations and material handling operations.
3.0		LIMIT	Minn. R. 7011.1005, subp. 3(D)	Opacity: less than or equal to 10 percent from control equipment.
4.0		LIMIT	Title I Condition: Limit taken to avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.033 grains/dry standard cubic foot
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		CD	Title I Condition: Limit taken to avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2	The fabric filter (CE009) shall be operated at all times when the emission unit is in operation. See GP001 for fabric filter requirements.
7.0		CD	hdr	SPECIFIC PERFORMANCE TESTING
8.0		S/A	Minn. R. 7017.2020, subp. 1 and 40 CFR Section 60.8(a)	Performance Test: due before end of each 60 months starting 11/21/2006 for PM emissions, PM10 emissions and opacity.
9.0		S/A	Minn. R. 7017.2020, subp. 1	Testing Frequency Plan: due 60 days after Performance Test. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on one-year (12 month), 36 month, and 60 month intervals, or as applicable, shall be required upon written approval of the MPCA.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 007 Grain/Seed Dryer

Associated Items: EU 019 Column Dryer with Screen Airst

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. OPERATIONAL LIMITS
2.0		CD	Minn. R. 7011.1005, subp. 5	The perforations of the column dryer screen must not exceed 3/32 inches in diameter; and the emissions from a rack dryer must pass through a 50-mesh screen enclosure before discharge to the atmosphere.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: **SV 008 Expeller/Conditioner**

Associated Items: EU 023 K1 Expeller
EU 087 Drag Conveyor to Conditioners
EU 088 Screw Conveyor to Conditioners
EU 089 Conditioner #2
EU 090 Runaround Bulk-Flow 62.5 tph bottleneck to expellers
EU 091 K2 Expeller
EU 092 #1 Expeller
EU 093 #2 Expeller
EU 094 #3 Expeller
EU 095 #4 Expeller
EU 096 #5 Expeller
EU 097 #6 Expeller - To Be Removed
EU 098 #7 Expeller - To Be Removed
EU 099 #8 Expeller - To Be Removed
EU 100 Rerun Seed Elevator Leg
EU 101 Rerun Screw Conveyor to Day Bin
EU 102 Cake Drag Conveyor 1-8
EU 103 Cake Drag Cross Conveyor
EU 104 Cake Bulk-Flow
EU 105 Cake Hammermill
EU 106 6" Screw Meal to Runaround Conveyor #1
EU 107 6" Screw Meal to Runaround Conveyor #2
EU 176 Conditioner #1
EU 178 K3 Expeller

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Title I Condition: Limit to avoid classification as major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000	Total Particulate Matter: less than or equal to 0.63 lbs/hour
3.0		LIMIT	Title I Condition: Limit to avoid classification as major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000	PM < 10 micron: less than or equal to 0.75 lbs/hour
4.0		LIMIT	Title I Condition: Limit to avoid classification as major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000	PM < 2.5 micron: less than or equal to 0.75 lbs/hour
5.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
6.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent
7.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
8.0		CD	Minn. R. 7007.0800, subp. 2	The control equipment (CE010) shall be operated at all times when the emission unit is in operation. See GP003 and CE 010 for control equipment requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

9.0		CD	hdr	C. SPECIFIC PERFORMANCE TESTING REQUIREMENTS
10.0		S/A	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7017.2020, subp. 1	Performance Test: due 180 days after Equipment Installation to measure SV 008 PM2.5 emissions. Equipment installation is the installation of EU 178. The Permittee has the option to only test for PM10 and assume all PM10 emissions are PM2.5.
11.0		S/A	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7017.2020, subp. 1	Performance Test: due 180 days after Equipment Installation to measure SV 008 PM10 emissions. Equipment installation is the installation of EU 178.
12.0		S/A	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7017.2020, subp. 1	Performance Test: due 180 days after Equipment Installation to measure SV 008 PM emissions. Equipment installation is the installation of EU 178.
13.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due 180 days after Equipment Installation to measure SV 008 opacity. Equipment installation is the installation of EU 178.
14.0		S/A	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7017.2020, subp. 1	Testing Frequency Plan: due 60 days after Performance Test. The plan shall specify a testing frequency for PM, PM10, PM2.5, and opacity based on the test data and MPCA guidance. Future performance tests at 12-month, 36-month, 60-month intervals, or as applicable, shall be required upon written approval of the plan by the MPCA.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 009 Flaking Rolls

Associated Items: EU 025 #1 Flaker
EU 108 #2 Flaker
EU 109 #3 Flaker
EU 110 #4 Flaker
EU 111 #5 Flaker
EU 112 #6 Flaker
EU 113 Flake Overflow Bulk-Flow
EU 114 Flake Bulk-Flow Feed Screw Conveyor
EU 115 Flake Bulk-Flow
EU 116 Flake Cross Screw Conveyor
EU 117 Long Rotex Discharge Screw Conveyor
EU 118 Basement Cake Screw Conveyor
EU 159 Flaker Feed Conveyor
EU 160 Flaker Collect Conveyor

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Title I Condition: Limit taken to avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0285 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent
4.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
5.0		CD	Title I Condition: Limit taken to avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2	The control equipment (CE005) shall be operated at all times when the emission unit is in operation. See GP003 for control equipment requirements.
6.0		CD	hdr	SPECIFIC PERFORMANCE TESTING
7.0		S/A	Minn. R. 7017.2020, subp. 1 and 40 CFR Section 60.8(a)	Performance Test: due before end of each 60 months starting 11/21/2006 for PM emissions, PM10 emissions and opacity.
8.0		S/A	Minn. R. 7017.2020, subp. 1	Testing Frequency Plan: due 60 days after Performance Test. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on one-year (12 month), 36 month, and 60 month intervals, or as applicable, shall be required upon written approval of the MPCA.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 011 Extractor/DTDC (Desolventizer Toaster) Hexane Tanks

Associated Items: EU 033 DTDC

EU 065 Extractor

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent
4.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
5.0		CD	Title I Condition: CAAA of 1990; Minn. R. 7007.0800, subp. 2	The Cold Water Condenser plus Mineral Oil Absorption System (CE 028) shall be operated at all times when the emission units are in operation.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 012 DTDC (Dryers/Coolers)

Associated Items: EU 033 DTDC

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent
4.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
5.0		CD	Minn. R. 7007.0800, subp. 2	The control equipment (CE013) shall be operated at all times when the emission unit is in operation. See GP003 for control equipment requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 013 Meal Grinding

Associated Items: EU 034 Meal Incline Drag Conveyor from Ext.
EU 038 Outside Meal Bins/Harvestore
EU 043 S-N Tramco Drag to Barge Loading
EU 119 Horizontal Meal Drag Conveyor
EU 120 Sifter Feed Screw Conveyor
EU 121 Static Sifter #1
EU 122 Static Sifter #2
EU 123 Meal Grinder #1
EU 124 Meal Grinder #2
EU 125 Harvestore Feed Conveyor
EU 126 Meal Screw On Top of Inside Meal Bins
EU 127 Meal Screw from 24" Rev. Screw to East
EU 128 L-Path by EXT for Spilled Meal
EU 129 Meal Hi-Roller East-West
EU 130 24" Reversing Screw E-W or W-E
EU 131 S-N 24" Screw Conveyor to River
EU 161 Final Meal Elevator Leg
EU 162 Hammermill Discharge Drag Conveyor
EU 164 Elevator Leg to Harvestore
EU 165 Drag Conveyor to Inside Bins

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent
4.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
5.0		CD	Minn. R. 7007.0800, subp. 2	The control equipment (CE014) shall be operated at all times when the emission unit is in operation. See GP001 for control equipment requirements.
6.0		CD	hdr	SPECIFIC PERFORMANCE TESTING
7.0		S/A	Minn. R. 7017.2020, subp. 1 and 40 CFR Section 60.8(a)	Performance Test: due before end of each 60 months starting 11/21/2006 for PM emissions, PM10 emissions and opacity.
8.0		S/A	Minn. R. 7017.2020, subp. 1	Testing Frequency Plan: due 60 days after Performance Test. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on one-year (12 month), 36 month, and 60 month intervals, or as applicable, shall be required upon written approval of the MPCA.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 014 Pellet Cooler

Associated Items: EU 041 Pellet Cooler

EU 132 Pellet Mill 600 HP

EU 133 Pellet Mill E 250 HP

EU 134 Pellet Mill W 250 HP

EU 136 Cross Screw to Pellet Leg 1st Floor

EU 163 Pellet Elevator Leg

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent
4.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
5.0		CD	Minn. R. 7007.0800, subp. 2	The control equipment (CE014) shall be operated at all times when the emission unit is in operation. See GP001 for control equipment requirements.
6.0		CD	hdr	SPECIFIC PERFORMANCE TESTING
7.0		S/A	Minn. R. 7017.2020, subp. 1 and 40 CFR Section 60.8(a)	Performance Test: due before end of each 60 months starting 11/21/2006 for PM emissions, PM10 emissions and opacity.
8.0		S/A	Minn. R. 7017.2020, subp. 1	Testing Frequency Plan: due 60 days after Performance Test. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on one-year (12 month), 36 month, and 60 month intervals, or as applicable, shall be required upon written approval of the MPCA.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 015 River Bin Tank 17

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent
4.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
5.0		CD	Minn. R. 7007.0800, subp. 2	The control equipment (CE007) shall be operated at all times when the emission unit is in operation. See GP001 for control equipment requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 016 River Bin Tank 18

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent
4.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
5.0		CD	Minn. R. 7007.0800, subp. 2	The control equipment (CE008) shall be operated at all times when the emission unit is in operation. See GP001 for control equipment requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 017 Rail/Barge Loadout/Barge Receiving

Associated Items: EU 005 Park Track Bulk Flow
EU 042 River Bin Elevator Leg
EU 044 River Bin Feed Drag Conveyor(Tank 17)
EU 137 Drag Conveyor to River Bins
EU 138 Rail Cross Conveyor
EU 139 Rail Pit Discharge Conveyor
EU 166 L-Path Conveyor Under Bins
EU 167 Drag Conveyor to Rail
EU 169 Traveling Enclosed Belt Conveyor

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.1005, subp. 3(A)	Opacity: less than or equal to 5 percent for fugitive emissions from a truck unloading station, railcar unloading station, railcar loading station, or handling operation;
3.0		LIMIT	Minn. R. 7011.1005, subp. 3(B)	Opacity: less than or equal to 10 percent opacity for discharge of fugitive emissions from a truck loading station
4.0		LIMIT	Minn. R. 7011.1005, subp. 3(C)	Opacity: less than or equal to 20 percent opacity for fugitive emissions from a ship or barge loading or unloading station, except that during trimming or topping-off, when normal loading procedures cannot be used, no opacity standard applies.
5.0		LIMIT	Minn. R. 7011.1005, subp. 3(D)	Opacity: less than or equal to 10 percent from control equipment.
6.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
7.0		CD	Minn. R. 7007.0800, subp. 2	The control equipment (CE021) shall be operated at all times when the emission unit is in operation. See GP002 for control equipment requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: SV 018 Truck Loadout

Associated Items: EU 140 Under Bins Conveyor to Loadout
EU 141 Tramco Drag Under Inside Meal Bins
EU 142 Goliath Underloader
EU 143 Harvestore Discharge Conveyor
EU 144 Harvestore Discharge Inclined Conveyor
EU 145 Harvestore Discharge Elevator Leg
EU 168 Truck Meal Loadout Drag Conveyor

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.1005, subp. 3(B)	Opacity: less than or equal to 10 percent opacity for discharge of fugitive emissions from a truck loading station
3.0		LIMIT	Minn. R. 7011.1005, subp. 3(D)	Opacity: less than or equal to 10 percent from control equipment.
4.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
5.0		CD	Minn. R. 7007.0800, subp. 2	The control equipment (CE004) shall be operated at all times when the emission unit is in operation. See GP002 for control equipment requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: EU 059 Boiler #1

Associated Items: SV 023 Boiler 1

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. OPERATIONAL LIMITATION
2.0		LIMIT	Minn. R. 7011.0510, subp. 1	Total Particulate Matter: less than or equal to 0.6 lbs/million Btu heat input using 3-hour Rolling Average <0.15 lbs/million BTU heat input for PTE calculations>
3.0		LIMIT	Minn. R. 7011.0510, subp. 2	Opacity: less than or equal to 20 percent except for one six-minute period per hour of not more than 60 percent opacity.
4.0		CD	40 CFR pt. 63, subp. DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	The Permittee shall comply with the requirements of 40 CFR pt. 63, subp. DDDDD.
5.0		CD	hdr	B. OTHER LIMITS AND REQUIREMENTS
6.0		LIMIT	Minn. R. 7007.0800, subp. 2	Sulfur Content of Fuel: less than or equal to 2.0 percent by weight of fuel oil.
7.0		CD	Minn. R. 7007.0800, subp. 2	Fuel Type: Natural gas and Fuel oil only.
8.0		CD	Minn. R. 7007.0800, subp. 4	Visible Emissions: The Permittee shall check the associated stack for visible emissions during daylight hours, while burning fuel oil.
9.0		CD	Minn. R. 7007.0800, subp. 2	Capacity: less than or equal to 88 million Btu's/hour
10.0		CD	hdr	C. RECORDKEEPING FOR OPERATIONAL LIMITATION
11.0		CD	Minn. R. 7007.0800, subps. 4 & 5	Daily Recordkeeping: On each day of operation, the Permittee shall record and maintain the type of fuel burned.
12.0		CD	Minn. R. 7007.0800, subps. 4 & 5	Monthly Recordkeeping -- Fuel Use. By the end of each calendar month, the Permittee shall calculate and record the following: 1) The total fuel use for the previous calendar month using the daily usage records. 2) The type of fuel used for the previous calendar month using the daily usage records. 3) The 12-month rolling sum total fuel use for the previous 12-month period by summing the monthly total fuel use data for the previous 12 months.
13.0		CD	Minn. R. 7007.0800, subps. 4 & 5	Recordkeeping of Visible Emissions (VE): The Permittee shall keep records on the time and date of VE inspection, whether or not any VEs were observed.
14.0		CD	Minn. R. 7007.0800, subps. 4 & 5	Recordkeeping of Corrective Actions (VE): The Permittee shall record the corrective actions taken, as soon as possible as based on the operation and maintenance plan to eliminate any visible emissions.
15.0		CD	Minn. R. 7007.0800, subps. 4 & 5	Fuel Supplier Certification: The Permittee shall retain written documentation of each shipment of fuel oil recieved. The written documentation shall include the following information: the sulfur content of the fuel, the method used to determine the sulfur content and certification that the sulfur content is less than or equal to 2.0% by weight.
16.0		CD	hdr	SPECIFIC PERFORMANCE TESTING
17.0		S/A	Minn. R. 7017.2020, subp. 1 and 40 CFR 60.8(a)	Performance Test: due before end of each 60 months starting 11/21/2006 for PM emissions, PM10 emissions and opacity.
18.0		S/A	Minn. R. 7017.2020, subp. 1	Testing Frequency Plan: due 60 days after Performance Test. The plan shall specify a testing frequency based on the test data and MPCA guidance. Future performance tests based on one-year (12 month), 36 month, and 60 month intervals, or as applicable, shall be required upon written approval of the MPCA.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: EU 066 Boiler #2

Associated Items: SV 022 Boiler 2

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. OPERATIONAL LIMITATION
2.0		LIMIT	Minn. R. 7011.0510, subp. 1	Total Particulate Matter: less than or equal to 0.6 lbs/million Btu heat input using 3-hour Rolling Average <0.15 lbs/million BTU heat input for PTE calculations>
3.0		LIMIT	Minn. R. 7011.0510, subp. 2	Opacity: less than or equal to 20 percent except for one six-minute period per hour of not more than 60 percent opacity.
4.0		CD	40 CFR pt. 63, subp. DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	The Permittee shall comply with the requirements of 40 CFR pt. 63, subp. DDDDD.
5.0		CD	hdr	B. OTHER LIMITS AND REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subp. 2	Fuel Type: Natural gas.
7.0		CD	Minn. R. 7007.0800, subp. 2	Capacity: less than or equal to 65 million Btu's/hour
8.0		CD	hdr	C. RECORDKEEPING FOR OPERATIONAL LIMITATION
9.0		CD	Minn. R. 7007.0800, subps. 4 & 5	Monthly Recordkeeping -- Fuel Use. By the end of each calendar month, the Permittee shall calculate and record the following: 1) The total fuel use for the previous calendar month using the daily usage records. 2) The type of fuel used for the previous calendar month using the daily usage records. 3) The 12-month rolling sum total fuel use for the previous 12-month period by summing the monthly total fuel use data for the previous 12 months.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: EU 097 #6 Expeller - To Be Removed

Associated Items: CE 010 Centrifugal Collector - Medium Efficiency

SV 008 Expeller/Conditioner

	NC/ CA	Type	Citation	Requirement
1.0		S/A	Minn. R. 7007.0800, subp. 2	Shutdown: due 15 days after Startup of EU 178 K3 Expeller. The Permittee shall shutdown EU 097 no later than 15 days after startup of EU 178.
2.0		S/A	Minn. R. 7007.0800, subp. 2	Notification: due 15 days after Shutdown of EU 097 Expeller #6. The notification shall specify the actual shutdown date for EU 097.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: EU 098 #7 Expeller - To Be Removed

Associated Items: CE 010 Centrifugal Collector - Medium Efficiency

SV 008 Expeller/Conditioner

	NC/ CA	Type	Citation	Requirement
1.0		S/A	Minn. R. 7007.0800, subp. 2	Shutdown: due 1 days before Startup of EU 178 K3 Expeller. The Permittee shall shutdown EU 098 at least 1 day before startup of EU 178.
2.0		S/A	Minn. R. 7007.0800, subp. 2	Notification: due 15 days after Shutdown of EU 098 Expeller #7. The notification shall specify the actual shutdown date for EU 098.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: EU 099 #8 Expeller - To Be Removed

Associated Items: CE 010 Centrifugal Collector - Medium Efficiency

SV 008 Expeller/Conditioner

	NC/ CA	Type	Citation	Requirement
1.0		S/A	Minn. R. 7007.0800, subp. 2	Shutdown: due 1 days before Startup of EU 178 K3 Expeller. The Permittee shall shutdown EU 099 at least 1 day before startup of EU 178.
2.0		S/A	Minn. R. 7007.0800, subp. 2	Notification: due 15 days after Shutdown of EU 099 Expeller #8. The notification shall specify the actual shutdown date for EU 099.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: EU 178 K3 Expeller

Associated Items: CE 010 Centrifugal Collector - Medium Efficiency

SV 008 Expeller/Conditioner

	NC/ CA	Type	Citation	Requirement
1.0		S/A	Minn. R. 7007.0800, subp. 2	Notification of the Actual Date of Initial Startup: due 15 days after Initial Startup of EU 178 K3 Expeller. The notification shall specify the actual date of initial startup of EU 178.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: CE 010 Centrifugal Collector - Medium Efficiency

Associated Items:

- EU 023 K1 Expeller
- EU 087 Drag Conveyor to Conditioners
- EU 088 Screw Conveyor to Conditioners
- EU 089 Conditioner #2
- EU 090 Runaround Bulk-Flow 62.5 tph bottleneck to expellers
- EU 091 K2 Expeller
- EU 092 #1 Expeller
- EU 093 #2 Expeller
- EU 094 #3 Expeller
- EU 095 #4 Expeller
- EU 096 #5 Expeller
- EU 097 #6 Expeller - To Be Removed
- EU 098 #7 Expeller - To Be Removed
- EU 099 #8 Expeller - To Be Removed
- EU 100 Rerun Seed Elevator Leg
- EU 101 Rerun Screw Conveyor to Day Bin
- EU 102 Cake Drag Conveyor 1-8
- EU 103 Cake Drag Cross Conveyor
- EU 104 Cake Bulk-Flow
- EU 105 Cake Hammermill
- EU 106 6" Screw Meal to Runaround Conveyor #1
- EU 107 6" Screw Meal to Runaround Conveyor #2
- EU 176 Conditioner #1
- EU 178 K3 Expeller

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. OPERATING REQUIREMENTS
2.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 14	The Permittee shall operate and maintain CE 010 so that it achieves an overall control efficiency for PM < 2.5 micron: greater than or equal to 80 percent control efficiency
3.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14	The Permittee shall operate and maintain CE 010 so that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 80 percent control efficiency
4.0		LIMIT	Minn. R. 7007.0800, subp. 2 and 14	The Permittee shall operate and maintain CE 010 so that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 80 percent control efficiency
5.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 & Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2 & 14	The Permittee shall operate and maintain CE 010 at all times that any emission unit controlled by the cyclone is in operation. The Permittee shall document periods of non-operation of the control equipment.
6.0		CD	Minn. R. 7007.0800, subp. 14	The Permittee shall operate and maintain CE 010 in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

7.0		CD	hdr	B. MONITORING AND RECORDKEEPING REQUIREMENTS
8.0		CD	Minn. R. 7007.0800, subp. 4 & 5	Visible Emissions: The Permittee shall check the CE 010 stack (SV 008) for any visible emissions once each day of operation during daylight hours.
9.0		CD	Minn. R. 7007.0800, subp. 4 & 5	Recordkeeping of Visible Emissions: The Permittee shall record the time and date of each visible emission inspection and whether or not any visible emissions were observed.
10.0		CD	Minn. R. 7007.0800, subp. 4, 5 & 14	Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - visible emissions are observed; - CE 010 or any of its components are found during the inspections to need repair. Corrective actions shall return the operation to within the permitted range, eliminate visible emissions, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the cyclone. The Permittee shall keep a record of the type and date of any corrective action taken.
11.0		CD	Minn. R. 7007.0800, subp. 4, 5 & 14	Periodic Inspections: At least once per calendar year, or more frequently as required by the manufacturing specifications, the Permittee shall inspect CE 010 components. The Permittee shall maintain a written record of these inspections.



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

Permit Number: 04900001 - 003

Subject Item: CE 028 MO Absorber - Cold H2O Cond

Associated Items: EU 033 DTDC

EU 065 Extractor

TK 001 Commercial Grade Hexane

TK 002 Commercial Grade Hexane

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	CE 028 is defined as the Mineral Oil Absorption System (inclusive of the cold water condenser)
2.0		CD	hdr	A. OPERATIONAL REQUIREMENTS
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency for Volatile Organic Compounds: greater than or equal to 95 percent control efficiency
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	The Permittee shall operate and maintain the control equipment such that it achieves an overall control efficiency for Hexane: greater than or equal to 95 percent control efficiency
5.0		CD	Minn. R. 7007.0800, subp. 2	The Permittee shall operate and maintain the control device at all times that any emission unit controlled by the control device is in operation. The Permittee shall document periods of non-operation of the control equipment.
6.0		LIMIT	Minn. R. 7007.0800, subp. 2	Cold mineral oil entering the control equipment must be maintained at a Temperature: less than or equal to 120 degrees F
7.0		LIMIT	Minn. R. 7007.0800, subp. 2	Mineral Oil flow rate must be maintained at a Liquid Flow Rate: greater than or equal to 20 gallons/minute
8.0		LIMIT	Minn. R. 7007.0800, subp. 2	Cold Water Condenser outlet gas must be maintained at a Temperature: less than or equal to 105 degrees F
9.0		CD	Minn. R. 7007.0800, subp. 2	The Permittee shall operate and maintain the equipment in accordance with the Operation and Maintenance (O & M) Plan to achieve optimal control efficiencies. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.
10.0		CD	hdr	B. MONITORING AND RECORDKEEPING REQUIREMENTS
11.0		CD	Minn. R. 7007.0800, subp. 4 & 5	Monitoring Equipment: The Permittee shall install and maintain the necessary monitoring equipment for measuring and recording the temperature and flow rate, as required by this permit. The monitoring equipment must be installed, in use, and properly maintained when the monitored equipment is in operation.
12.0		CD	Minn. R. 7007.0800, subp. 4 & 5	The Permittee shall maintain and operate a thermocouple monitoring device that continuously indicates and records the cold oil mineral oil temperature entering the mineral oil scrubber and the cold water condenser outlet gas. An alarm shall be installed and programmed to sound indicating when the temperature of the cold oil mineral oil goes outside of the permitted temperature limit.
13.0		CD	Minn. R. 7007.0800, subp. 4 & 5	Monitoring: The Permittee shall physically check the temperature recording devices at least once each operating shift to verify that it is working and recording properly. The Permittee shall maintain a written record of the daily verifications.
14.0		CD	Minn. R. 7007.0800, subp. 4 & 5	Monitoring: The Permittee shall record the operating parameters once each operating shift. The record shall include the time and date of the reading and whether or not it was within the range specified by this permit.
15.0		CD	Minn. R. 7007.0800, subp. 4, 5, & 14	<p>Corrective Actions: If the temperature is above the maximum, or the operating parameters are outside the specified ranges, or if the control equipment or any of its components are found during the inspections to need repair, the Permittee shall take corrective action as soon as possible.</p> <p>Corrective actions shall return the temperature, flowrates, and/or operating parameters to the specified limits/ranges and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the control equipment. The Permittee shall keep a record of the type and date of any corrective action taken.</p>



COMPLIANCE PLAN **CD-01**

Facility Name: ADM - Red Wing

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16.0		CD	Minn. R. 7007.0800, subp. 4, 5, & 14	Inspections: At least once per calendar year, or more frequently if required by the manufacturer specifications, the Permittee shall inspect the control equipment system components. The Permittee shall maintain a written record of the inspection and any corrective actions taken resulting from the inspection.
17.0		CD	Minn. R. 7007.0800, subp. 4, 5, & 14	Annual Calibration: The Permittee shall calibrate the temperature monitor and flow rate gauges at least annually and shall maintain a written record of the calibration and any action resulting from the calibration.



FACILITY DESCRIPTION: GROUPS (GP)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

	ID No.	Group Status	Added By (Action)	Retired By (Action)	Include in EI	Operator ID for Item	Group Description	Group Items
1	GP 001	Active	PER 001		<input type="checkbox"/>		99% Fabric Filter Control Equipment	CE 006, CE 007, CE 008, CE 009, CE 014
2	GP 002	Active	PER 002		<input type="checkbox"/>		89% Fabric Filter Control Equipment	CE 002, CE 003, CE 004, CE 021
3	GP 003	Active	PER 001		<input type="checkbox"/>		80% Cyclone Control Equipment	CE 005, CE 010, CE 013, CE 015
4	GP 003	Active	PER 003		<input type="checkbox"/>		80% Cyclone Control Equipment	CE 005, CE 013, CE 015



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
1	EU 001	Active	PER 002		<input type="checkbox"/>	EU 001	SV 004 (M)	CE 006	Truck Dump Drag Conveyor 1			2076					
2	EU 002	Active	PER 001		<input type="checkbox"/>	EU 002	SV 002 (M)	CE 002	Truck Dump Drag Conveyor 2			2076					
3	EU 003	Active	PER 001		<input type="checkbox"/>	EU 003	SV 003 (M)	CE 003	Rail Pit Belt Conveyor 1			2076					
4	EU 005	Active	PER 001		<input type="checkbox"/>	EU 004	SV 017 (M)	CE 021	Park Track Bulk Flow			2076					
5	EU 008	Active	PER 001		<input type="checkbox"/>	EU 006	SV 004 (M)	CE 006	Screw Conveyor to Tank 1000 #1			2076					
6	EU 011	Active	PER 001		<input type="checkbox"/>	EU 011	SV 005 (M)	CE 009	Elevator Leg			2076					
7	EU 019	Active	PER 001		<input type="checkbox"/>	EU 019	SV 007 (M)		Column Dryer with Screen Airs			2076					
8	EU 023	Active	PER 001		<input type="checkbox"/>	EU 023	SV 008 (M)	CE 010	K1 Expeller			2076					
9	EU 025	Active	PER 001		<input type="checkbox"/>	EU 025	SV 009 (M)	CE 005	#1 Flaker			2076					
10	EU 030	Active	PER 001		<input checked="" type="checkbox"/>	EU 030	SV 010 (M)		Bulk Flow Conveyor			2076					
11	EU 033	Active	PER 001		<input type="checkbox"/>	EU 033	SV 011 SV 012	CE 013 CE 028	DTDC			2076					
12	EU 034	Active	PER 001		<input type="checkbox"/>	EU 034	SV 013 (M)	CE 014	Meal Incline Drag Conveyor from Ext.			2076					
13	EU 038	Active	PER 001		<input type="checkbox"/>	EU 038	SV 013 (M)	CE 014	Outside Meal Bins/Harvestore			2076					
14	EU 041	Active	PER 001		<input type="checkbox"/>	EU 041	SV 014 (M)	CE 015	Pellet Cooler			2076					
15	EU 042	Active	PER 001		<input type="checkbox"/>	EU 042	SV 017 (M)	CE 021	River Bin Elevator Leg			2076					
16	EU 043	Active	PER 001		<input type="checkbox"/>	EU 043	SV 013 (M)	CE 014	S-N Tramco Drag to Barge Loading			2076					
17	EU 044	Active	PER 001		<input type="checkbox"/>	EU 044	SV 017 (M)	CE 021	River Bin Feed Drag Conveyor(Tank 17)			2076					
18	EU 050	Retired	PER 002		<input checked="" type="checkbox"/>				Bleaching Clay Slurry Tank			2076					
19	EU 051	Active	PER 001		<input checked="" type="checkbox"/>	EU 051	SV 020 (M)	CE 018	Bleaching Clay Daybin			2076					
20	EU 052	Active	PER 001		<input checked="" type="checkbox"/>	EU 052	SV 021 (M)	CE 019	Bleaching Clay Precoat Tank			2076					
21	EU 053	Active	PER 001		<input checked="" type="checkbox"/>	EU 053	SV 019 (M)	CE 020	Diatomaceous Earth Daybin			2076					
22	EU 054	Active	PER 001		<input checked="" type="checkbox"/>	EU 054	SV 021 (M)	CE 019	Dewax Precoat Tank			2076					
23	EU 055	Active	PER 001		<input checked="" type="checkbox"/>	EU 055	SV 021 (M)	CE 019	Dewax Chill Tank			2076					
24	EU 056	Active	PER 001		<input checked="" type="checkbox"/>	EU 056	SV 021 (M)	CE 019	Dewax Slurry Tank (body feed)			2076					

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
1	EU 001	Active	PER 002							
2	EU 002	Active	PER 001							
3	EU 003	Active	PER 001							
4	EU 005	Active	PER 001							
5	EU 008	Active	PER 001							
6	EU 011	Active	PER 001							
7	EU 019	Active	PER 001							
8	EU 023	Active	PER 001							
9	EU 025	Active	PER 001							
10	EU 030	Active	PER 001							
11	EU 033	Active	PER 001							
12	EU 034	Active	PER 001							
13	EU 038	Active	PER 001							
14	EU 041	Active	PER 001							
15	EU 042	Active	PER 001							
16	EU 043	Active	PER 001							
17	EU 044	Active	PER 001							
18	EU 050	Retired	PER 002							
19	EU 051	Active	PER 001							
20	EU 052	Active	PER 001							
21	EU 053	Active	PER 001							
22	EU 054	Active	PER 001							
23	EU 055	Active	PER 001							
24	EU 056	Active	PER 001							



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
25	EU 057	Retired	PER 002		<input checked="" type="checkbox"/>				Kettle Tank			2076					
26	EU 059	Active	PER 001		<input type="checkbox"/>	EU 059	SV 023 (M)		Boiler #1			2076					
27	EU 060	Removed	PER 002		<input type="checkbox"/>			CE 017	Standby Boiler No. 1			2076					
28	EU 061	Removed	PER 002		<input type="checkbox"/>			CE 017	Standby Boiler No. 2			2076					
29	EU 065	Active	PER 001		<input type="checkbox"/>	EU 065	SV 011 (M)	CE 028	Extractor			2076					
30	EU 066	Active	PER 001		<input type="checkbox"/>	EU 066	SV 022 (M)		Boiler #2			2076					
31	EU 067	Removed	PER 002		<input type="checkbox"/>	EU 067			Truck Dump Elevator Leg #1			2076					
32	EU 068	Active	PER 001		<input type="checkbox"/>	EU 068	SV 002 (M)	CE 002	S-N Drag Conveyor			2076					
33	EU 069	Active	PER 001		<input type="checkbox"/>	EU 069	SV 002 (M)	CE 002	Truck Dump Elevator Leg #2			2076					
34	EU 070	Active	PER 001		<input type="checkbox"/>	EU 070	SV 003 (M)	CE 003	Rail Pit Conveyor #2			2076					
35	EU 071	Active	PER 001		<input type="checkbox"/>	EU 071	SV 003 (M)	CE 003	Rail Seed Elevator Leg			2076					
36	EU 072	Active	PER 001		<input type="checkbox"/>	EU 072	SV 003 (M)	CE 003	Driveway Drag			2076					
37	EU 073	Active	PER 001		<input type="checkbox"/>	EU 073	SV 004 (M)	CE 006	Screw Conveyor to Tank 1000 #2			2076					
38	EU 074	Active	PER 001		<input type="checkbox"/>	EU 074	SV 004 (M)	CE 006	Tank 1000 Discharge Drag Conveyor			2076					
39	EU 075	Active	PER 001		<input type="checkbox"/>	EU 075	SV 004 (M)	CE 006	Drag Conveyor to Turnhead			2076					
40	EU 076	Active	PER 001		<input type="checkbox"/>	EU 076	SV 004 (M)	CE 006	Seed Cleaner			2076					
41	EU 077	Active	PER 001		<input type="checkbox"/>	EU 077	SV 004 (M)	CE 006	Bin #108 Feeder			2076					
42	EU 078	Active	PER 001		<input type="checkbox"/>	EU 078	SV 005 (M)	CE 009	160' Leg at Flour Mill Elevator			2076					
43	EU 079	Active	PER 001		<input type="checkbox"/>	EU 079	SV 005 (M)	CE 009	Drag Conveyor to Seed Bins			2076					
44	EU 080	Active	PER 001		<input type="checkbox"/>	EU 080	SV 005 (M)	CE 009	Drag Conveyor from Bins			2076					
45	EU 081	Active	PER 001		<input type="checkbox"/>	EU 081	SV 005 (M)	CE 009	Screw N-S to Tanks 151 and 152			2076					
46	EU 082	Active	PER 001		<input type="checkbox"/>	EU 082	SV 005 (M)	CE 009	Screw From Tank 151 to 152			2076					
47	EU 083	Active	PER 001		<input type="checkbox"/>	EU 083	SV 005 (M)	CE 009	151 and 152 Discharge Screw W-E			2076					
48	EU 084	Active	PER 001		<input type="checkbox"/>	EU 084	SV 005 (M)	CE 009	Screw from Tank 151 to Truck Dump Leg			2076					

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
25	EU 057	Retired	PER 002							
26	EU 059	Active	PER 001							
27	EU 060	Removed	PER 002			09/30/2001				
28	EU 061	Removed	PER 002			09/30/2001				
29	EU 065	Active	PER 001							
30	EU 066	Active	PER 001							
31	EU 067	Removed	PER 002			11/30/2007				
32	EU 068	Active	PER 001							
33	EU 069	Active	PER 001							
34	EU 070	Active	PER 001							
35	EU 071	Active	PER 001							
36	EU 072	Active	PER 001							
37	EU 073	Active	PER 001							
38	EU 074	Active	PER 001							
39	EU 075	Active	PER 001							
40	EU 076	Active	PER 001							
41	EU 077	Active	PER 001							
42	EU 078	Active	PER 001							
43	EU 079	Active	PER 001							
44	EU 080	Active	PER 001							
45	EU 081	Active	PER 001							
46	EU 082	Active	PER 001							
47	EU 083	Active	PER 001							
48	EU 084	Active	PER 001							



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
49	EU 085	Active	PER 001		<input type="checkbox"/>	EU 085	SV 005 (M)	CE 009	Screw Under Bins 1-6 Flour Mill Elevator			2076					
50	EU 086	Active	PER 001		<input type="checkbox"/>	EU 086	SV 004 (M)	CE 006	Seed Cleaner			2076					
51	EU 087	Active	PER 001		<input type="checkbox"/>	EU 087	SV 008 (M)	CE 010	Drag Conveyor to Conditioners			2076					
52	EU 088	Active	PER 001		<input type="checkbox"/>	EU 088	SV 008 (M)	CE 010	Screw Conveyor to Conditioners			2076					
53	EU 089	Active	PER 001		<input type="checkbox"/>	EU 089	SV 008 (M)	CE 010	Conditioner #2			2076					
54	EU 090	Active	PER 001		<input type="checkbox"/>	EU 090	SV 008 (M)	CE 010	Runaround Bulk -Flow to Expellers			2076					
55	EU 090	Active	PER 003		<input type="checkbox"/>	EU 090	SV 008 (M)	CE 010	Runaround Bulk-Flow 62.5 tph bottleneck to expellers			2076	62.5	Grain	Ton	Hr	
56	EU 091	Active	PER 001		<input type="checkbox"/>	EU 091	SV 008 (M)	CE 010	K2 Expeller			2076					
57	EU 092	Active	PER 001		<input type="checkbox"/>	EU 092	SV 008 (M)	CE 010	#1 Expeller			2076					
58	EU 093	Active	PER 001		<input type="checkbox"/>	EU 093	SV 008 (M)	CE 010	#2 Expeller			2076					
59	EU 094	Active	PER 001		<input type="checkbox"/>	EU 094	SV 008 (M)	CE 010	#3 Expeller			2076					
60	EU 095	Active	PER 001		<input type="checkbox"/>	EU 095	SV 008 (M)	CE 010	#4 Expeller			2076					
61	EU 096	Active	PER 001		<input type="checkbox"/>	EU 096	SV 008 (M)	CE 010	#5 Expeller			2076					
62	EU 097	Active	PER 001		<input type="checkbox"/>	EU 097	SV 008 (M)	CE 010	#6 Expeller			2076					
63	EU 097	Active	PER 003		<input type="checkbox"/>	EU 097	SV 008 (M)	CE 010	#6 Expeller - To Be Removed			2076	8.5	Grain	Ton	Hr	
64	EU 098	Active	PER 001		<input type="checkbox"/>	EU 098	SV 008 (M)	CE 010	#7 Expeller			2076					
65	EU 098	Active	PER 003		<input type="checkbox"/>	EU 098	SV 008 (M)	CE 010	#7 Expeller - To Be Removed			2076	8.5	Grain	Ton	Hr	
66	EU 099	Active	PER 001		<input type="checkbox"/>	EU 099	SV 008 (M)	CE 010	#8 Expeller			2076					
67	EU 099	Active	PER 003		<input type="checkbox"/>	EU 099	SV 008 (M)	CE 010	#8 Expeller - To Be Removed			2076	8.5	Grain	Ton	Hr	
68	EU 100	Active	PER 001		<input type="checkbox"/>	EU 100	SV 008 (M)	CE 010	Rerun Seed Elevator Leg			2076					
69	EU 101	Active	PER 001		<input type="checkbox"/>	EU 101	SV 008 (M)	CE 010	Rerun Screw Conveyor to Day Bin			2076					
70	EU 102	Active	PER 001		<input type="checkbox"/>	EU 102	SV 008 (M)	CE 010	Cake Drag Conveyor 1-8			2076					
71	EU 103	Active	PER 001		<input type="checkbox"/>	EU 103	SV 008 (M)	CE 010	Cake Drag Cross Conveyor			2076					
72	EU 104	Active	PER 001		<input type="checkbox"/>	EU 104	SV 008 (M)	CE 010	Cake Bulk-Flow			2076					

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
49	EU 085	Active	PER 001							
50	EU 086	Active	PER 001							
51	EU 087	Active	PER 001							
52	EU 088	Active	PER 001							
53	EU 089	Active	PER 001							
54	EU 090	Active	PER 001							
55	EU 090	Active	PER 003						Group of Sources	
56	EU 091	Active	PER 001							
57	EU 092	Active	PER 001							
58	EU 093	Active	PER 001							
59	EU 094	Active	PER 001							
60	EU 095	Active	PER 001							
61	EU 096	Active	PER 001							
62	EU 097	Active	PER 001							
63	EU 097	Active	PER 003							
64	EU 098	Active	PER 001							
65	EU 098	Active	PER 003							
66	EU 099	Active	PER 001							
67	EU 099	Active	PER 003							
68	EU 100	Active	PER 001							
69	EU 101	Active	PER 001							
70	EU 102	Active	PER 001							
71	EU 103	Active	PER 001							
72	EU 104	Active	PER 001							



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
73	EU 105	Active	PER 001		<input type="checkbox"/>	EU 105	SV 008 (M)	CE 010	Cake Hammermill			2076					
74	EU 106	Active	PER 001		<input type="checkbox"/>	EU 106	SV 008 (M)	CE 010	6" Screw Meal to Runaround Conveyor #1			2076					
75	EU 107	Active	PER 001		<input type="checkbox"/>	EU 107	SV 008 (M)	CE 010	6" Screw Meal to Runaround Conveyor #2			2076					
76	EU 108	Active	PER 001		<input type="checkbox"/>	EU 108	SV 009 (M)	CE 005	#2 Flaker			2076					
77	EU 109	Active	PER 001		<input type="checkbox"/>	EU 109	SV 009 (M)	CE 005	#3 Flaker			2076					
78	EU 110	Active	PER 001		<input type="checkbox"/>	EU 110	SV 009 (M)	CE 005	#4 Flaker			2076					
79	EU 111	Active	PER 001		<input type="checkbox"/>	EU 111	SV 009 (M)	CE 005	#5 Flaker			2076					
80	EU 112	Active	PER 001		<input type="checkbox"/>	EU 112	SV 009 (M)	CE 005	#6 Flaker			2076					
81	EU 113	Active	PER 001		<input type="checkbox"/>	EU 113	SV 009 (M)	CE 005	Flake Overflow Bulk-Flow			2076					
82	EU 114	Active	PER 001		<input type="checkbox"/>	EU 114	SV 009 (M)	CE 005	Flake Bulk-Flow Feed Screw Conveyor			2076					
83	EU 115	Active	PER 001		<input type="checkbox"/>	EU 115	SV 009 (M)	CE 005	Flake Bulk-Flow			2076					
84	EU 116	Active	PER 001		<input type="checkbox"/>	EU 116	SV 009 (M)	CE 005	Flake Cross Screw Conveyor			2076					
85	EU 117	Active	PER 001		<input type="checkbox"/>	EU 117	SV 009 (M)	CE 005	Long Rotex Discharge Screw Conveyor			2076					
86	EU 118	Active	PER 001		<input type="checkbox"/>	EU 118	SV 009 (M)	CE 005	Basement Cake Screw Conveyor			2076					
87	EU 119	Active	PER 001		<input type="checkbox"/>	EU 119	SV 013 (M)	CE 014	Horizontal Meal Drag Conveyor			2076					
88	EU 120	Active	PER 001		<input type="checkbox"/>	EU 120	SV 013 (M)	CE 014	Sifter Feed Screw Conveyor			2076					
89	EU 121	Active	PER 001		<input type="checkbox"/>	EU 121	SV 013 (M)	CE 014	Static Sifter #1			2076					
90	EU 122	Active	PER 001		<input type="checkbox"/>	EU 122	SV 013 (M)	CE 014	Static Sifter #2			2076					
91	EU 123	Active	PER 001		<input type="checkbox"/>	EU 123	SV 013 (M)	CE 014	Meal Grinder #1			2076					
92	EU 124	Active	PER 001		<input type="checkbox"/>	EU 124	SV 013 (M)	CE 014	Meal Grinder #2			2076					
93	EU 125	Active	PER 001		<input type="checkbox"/>	EU 125	SV 013 (M)	CE 014	Harvestore Feed Conveyor			2076					
94	EU 126	Active	PER 001		<input type="checkbox"/>	EU 126	SV 013 (M)	CE 014	Meal Screw On Top of Inside Meal Bins			2076					
95	EU 127	Active	PER 001		<input type="checkbox"/>	EU 127	SV 013 (M)	CE 014	Meal Screw from 24" Rev. Screw to East			2076					
96	EU 128	Active	PER 001		<input type="checkbox"/>	EU 128	SV 013 (M)	CE 014	L-Path by EXT for Spilled Meal			2076					

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
73	EU 105	Active	PER 001							
74	EU 106	Active	PER 001							
75	EU 107	Active	PER 001							
76	EU 108	Active	PER 001							
77	EU 109	Active	PER 001							
78	EU 110	Active	PER 001							
79	EU 111	Active	PER 001							
80	EU 112	Active	PER 001							
81	EU 113	Active	PER 001							
82	EU 114	Active	PER 001							
83	EU 115	Active	PER 001							
84	EU 116	Active	PER 001							
85	EU 117	Active	PER 001							
86	EU 118	Active	PER 001							
87	EU 119	Active	PER 001							
88	EU 120	Active	PER 001							
89	EU 121	Active	PER 001							
90	EU 122	Active	PER 001							
91	EU 123	Active	PER 001							
92	EU 124	Active	PER 001							
93	EU 125	Active	PER 001							
94	EU 126	Active	PER 001							
95	EU 127	Active	PER 001							
96	EU 128	Active	PER 001							



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
97	EU 129	Active	PER 001		<input type="checkbox"/>	EU 129	SV 013 (M)	CE 014	Meal Hi-Roller East-West			2076					
98	EU 130	Active	PER 001		<input type="checkbox"/>	EU 130	SV 013 (M)	CE 014	24" Reversing Screw E-W or W-E			2076					
99	EU 131	Active	PER 001		<input type="checkbox"/>	EU 131	SV 013 (M)	CE 014	S-N 24" Screw Conveyor to River			2076					
100	EU 132	Active	PER 001		<input type="checkbox"/>	EU 132	SV 014 (M)	CE 015	Pellet Mill 600 HP			2076					
101	EU 133	Active	PER 001		<input type="checkbox"/>	EU 133	SV 014 (M)	CE 015	Pellet Mill E 250 HP			2076					
102	EU 134	Active	PER 001		<input type="checkbox"/>	EU 134	SV 014 (M)	CE 015	Pellet Mill W 250 HP			2076					
103	EU 135	Active	PER 001		<input type="checkbox"/>	EU 013	SV 005 (M)	CE 009	Incline Screw to Tanks 151 and 152			2076					
104	EU 136	Active	PER 001		<input type="checkbox"/>	EU 136	SV 014 (M)	CE 015	Cross Screw to Pellet Leg 1st Floor			2076					
105	EU 137	Active	PER 001		<input type="checkbox"/>	EU 137	SV 017 (M)	CE 021	Drag Conveyor to River Bins			2076					
106	EU 138	Active	PER 001		<input type="checkbox"/>	EU 138	SV 017 (M)	CE 021	Rail Cross Conveyor			2076					
107	EU 139	Active	PER 001		<input type="checkbox"/>	EU 139	SV 017 (M)	CE 021	Rail Pit Discharge Conveyor			2076					
108	EU 140	Active	PER 001		<input type="checkbox"/>	EU 140	SV 018 (M)	CE 004	Under Bins Conveyor to Loadout			2076					
109	EU 141	Active	PER 001		<input type="checkbox"/>	EU 141	SV 018 (M)	CE 004	Tramco Drag Under Inside Meal Bins			2076					
110	EU 142	Active	PER 001		<input type="checkbox"/>	EU 142	SV 018 (M)	CE 004	Goliath Underloader			2076					
111	EU 143	Active	PER 001		<input type="checkbox"/>	EU 143	SV 018 (M)	CE 004	Harvestore Discharge Conveyor			2076					
112	EU 144	Active	PER 001		<input type="checkbox"/>	EU 144	SV 018 (M)	CE 004	Harvestore Discharge Inclined Conveyor			2076					
113	EU 145	Active	PER 001		<input type="checkbox"/>	EU 145	SV 018 (M)	CE 004	Harvestore Discharge Elevator Leg			2076					
114	EU 146	Active	PER 001		<input type="checkbox"/>	EU 005	SV 004 (M)	CE 006	Rail Elevator Leg-150'			2076					
115	EU 147	Active	PER 002		<input type="checkbox"/>	EU 007	SV 004 (M)	CE 006	Enclosed Drag Conveyor			2076					
116	EU 148	Active	PER 001		<input checked="" type="checkbox"/>	EU 008	SV 006 (M)		Top Vents - Process Elevator Silos			2076					
117	EU 149	Active	PER 002		<input type="checkbox"/>	EU 009	SV 004 (M)	CE 006	Seed Hi-Roller to Inside Elevator Leg w/ 8' extension			2076					
118	EU 150	Active	PER 001		<input type="checkbox"/>	EU 010	SV 004 (M)	CE 006	Inside Silo Elevator Leg			2076					

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
97	EU 129	Active	PER 001							
98	EU 130	Active	PER 001							
99	EU 131	Active	PER 001							
100	EU 132	Active	PER 001							
101	EU 133	Active	PER 001							
102	EU 134	Active	PER 001							
103	EU 135	Active	PER 001							
104	EU 136	Active	PER 001							
105	EU 137	Active	PER 001							
106	EU 138	Active	PER 001							
107	EU 139	Active	PER 001							
108	EU 140	Active	PER 001							
109	EU 141	Active	PER 001							
110	EU 142	Active	PER 001							
111	EU 143	Active	PER 001							
112	EU 144	Active	PER 001							
113	EU 145	Active	PER 001							
114	EU 146	Active	PER 001							
115	EU 147	Active	PER 002							
116	EU 148	Active	PER 001							
117	EU 149	Active	PER 002							
118	EU 150	Active	PER 001							



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
119	EU 151	Active	PER 001		<input type="checkbox"/>	EU 012	SV 005 (M)	CE 009	Screw Conveyor to Bins 1-6			2076					
120	EU 152	Active	PER 001		<input type="checkbox"/>	EU 014	SV 003 (M)	CE 003	N-S Rail Belt Conveyor			2076					
121	EU 153	Active	PER 001		<input checked="" type="checkbox"/>	EU 016	SV 006 (M)		Top Vents - Tank 153			2076					
122	EU 154	Active	PER 001		<input checked="" type="checkbox"/>	EU 017	SV 006 (M)		Top Vents - Tank 154			2076					
123	EU 155	Active	PER 001		<input type="checkbox"/>	EU 018	SV 004 (M)	CE 006	Dryer Feed Screw Conveyor			2076					
124	EU 156	Active	PER 001		<input type="checkbox"/>	EU 020	SV 004 (M)	CE 006	Dryer Discharge Elevator Leg			2076					
125	EU 157	Active	PER 001		<input type="checkbox"/>	EU 021	SV 004 (M)	CE 006	Bridge Drag Conveyor			2076					
126	EU 158	Active	PER 001		<input type="checkbox"/>	EU 022	SV 004	CE 006	Seed Day Bin			2076					
127	EU 159	Active	PER 001		<input type="checkbox"/>	EU 028	SV 009 (M)	CE 005	Flaker Feed Conveyor			2076					
128	EU 160	Active	PER 001		<input type="checkbox"/>	EU 029	SV 009 (M)	CE 005	Flaker Collect Conveyor			2076					
129	EU 161	Active	PER 001		<input type="checkbox"/>	EU 035	SV 013 (M)	CE 014	Final Meal Elevator Leg			2076					
130	EU 162	Active	PER 001		<input type="checkbox"/>	EU 036	SV 013 (M)	CE 014	Hammermill Discharge Drag Conveyor			2076					
131	EU 163	Active	PER 001		<input type="checkbox"/>	EU 037	SV 014 (M)	CE 015	Pellet Elevator Leg			2076					
132	EU 164	Active	PER 001		<input type="checkbox"/>	EU 039	SV 013 (M)	CE 014	Elevator Leg to Harvestore			2076					
133	EU 165	Active	PER 001		<input type="checkbox"/>	EU 040	SV 013 (M)	CE 014	Drag Conveyor to Inside Bins			2076					
134	EU 166	Active	PER 001		<input type="checkbox"/>	EU 045	SV 017 (M)	CE 021	L-Path Conveyor Under Bins			2076					
135	EU 167	Active	PER 001		<input type="checkbox"/>	EU 046	SV 017 (M)	CE 021	Drag Conveyor to Rail			2076					
136	EU 168	Active	PER 001		<input type="checkbox"/>	EU 047	SV 018 (M)	CE 004	Truck Meal Loadout Drag Conveyor			2076					
137	EU 169	Active	PER 001		<input type="checkbox"/>	EU 048	SV 017 (M)	CE 021	Traveling Enclosed Belt Conveyor			2076					
138	EU 170	Active	PER 001		<input checked="" type="checkbox"/>	EU 146	SV 006 (M)		Top Vents - Flour Mill Elevator Silos			2076					
139	EU 171	Active	PER 001		<input checked="" type="checkbox"/>	EU 147			Top Vents Inside Meal Storage Bins			2076					
140	EU 172	Active	PER 001		<input checked="" type="checkbox"/>	EU 148			Top Vents Outside Meal Storage Bins			2076					
141	EU 173	Active	PER 001		<input checked="" type="checkbox"/>	EU 149	SV 020 (M)		Bleaching Clay Slurry Tank			2076					
142	EU 176	Active	PER 001		<input type="checkbox"/>	EU 024	SV 008 (M)	CE 010	Conditioner #1			2076					

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
119	EU 151	Active	PER 001							
120	EU 152	Active	PER 001							
121	EU 153	Active	PER 001							
122	EU 154	Active	PER 001							
123	EU 155	Active	PER 001							
124	EU 156	Active	PER 001							
125	EU 157	Active	PER 001							
126	EU 158	Active	PER 001							
127	EU 159	Active	PER 001							
128	EU 160	Active	PER 001							
129	EU 161	Active	PER 001							
130	EU 162	Active	PER 001							
131	EU 163	Active	PER 001							
132	EU 164	Active	PER 001							
133	EU 165	Active	PER 001							
134	EU 166	Active	PER 001							
135	EU 167	Active	PER 001							
136	EU 168	Active	PER 001							
137	EU 169	Active	PER 001							
138	EU 170	Active	PER 001							
139	EU 171	Active	PER 001							
140	EU 172	Active	PER 001							
141	EU 173	Active	PER 001							
142	EU 176	Active	PER 001							



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
143	EU 177	Active	PER 001		<input checked="" type="checkbox"/>	EU 152	SV 006 (M)		Top Vents-Tank 1000			2076					
144	EU 178	Active	PER 003		<input type="checkbox"/>		SV 008 (M)	CE 010	K3 Expeller	Krupp	EP-20	2076	30	Grain	Ton	Hr	

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
143	EU 177	Active	PER 001							
144	EU 178	Active	PER 003							

FACILITY DESCRIPTION: Potential-to-emit (by item)

Show: Active and Pending Records

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
SV 008							
	PM < 2.5 micron	PER 003		7.50E-01	3.29E+00	3.29E+00	
	PM < 10 micron	PER 003		7.50E-01	3.29E+00	3.29E+00	
	Total Particulate Matter	PER 003		6.30E-01	2.76E+00	2.76E+00	

FACILITY DESCRIPTION: Potential-to-emit (by item)

Show: Active and Pending Records

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
EU 097							
	PM < 10 micron	PER 002		2.76E-01	1.21E+00	2.40E-01	
	PM < 10 micron	PER 003		2.76E-01	1.21E+00		
	Total Particulate Matter	PER 002		4.25E-01	1.86E+00	3.70E-01	
	Total Particulate Matter	PER 003		4.25E-01	1.86E+00		

FACILITY DESCRIPTION: Potential-to-emit (by item)

Show: Active and Pending Records

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
EU 098							
	PM < 10 micron	PER 002		2.76E-01	1.21E+00	2.40E-01	
	PM < 10 micron	PER 003		2.76E-01	1.21E+00		
	Total Particulate Matter	PER 002		4.25E-01	1.86E+00	3.70E-01	
	Total Particulate Matter	PER 003		4.25E-01	1.86E+00		

FACILITY DESCRIPTION: Potential-to-emit (by item)

Show: Active and Pending Records

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
EU 099							
	PM < 10 micron	PER 002		2.76E-01	1.21E+00	2.40E-01	
	PM < 10 micron	PER 003		2.76E-01	1.21E+00		
	Total Particulate Matter	PER 002		4.25E-01	1.86E+00	3.70E-01	
	Total Particulate Matter	PER 003		4.25E-01	1.86E+00		

FACILITY DESCRIPTION: Potential-to-emit (by item)

Show: Active and Pending Records

AQD Facility ID: 04900001

Facility Name: ADM - Red Wing

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
EU 178							
	PM < 2.5 micron	PER 003		2.20E-01	4.83E+00		
	PM < 10 micron	PER 003		2.20E-01	4.83E+00		
	Total Particulate Matter	PER 003		1.90E-01	4.05E+00		

ATTACHMENT 3

ADDITIONAL FEE POINTS CALCULATION

Points Calculator

1) AQ Facility ID No.: 10900030
 2) Facility Name: ADM - Red Wing
 3) Small business? y/n? N
 4) DQ Numbers (including all rolled): 4018
 5) Date of each Application Received: 6/26/12
 6) Final Permit No. 04900001-003
 7) Permit Staff M Cole
 8) "Work completed" in which .xls file (i.e. unit 2b, unit 1a, biofuels)? NA

Total Points	35
---------------------	-----------

<u>Application Type</u>	<u>DQ No.</u>	<u>Qty.</u>	<u>Points</u>	<u>Total Points</u>	<u>Details</u>
Administrative Amendment			1	0	
Minor Amendment			4	0	
Applicability Request			10	0	
Moderate Amendment			15	0	
Major Amendment	4018	1	25	25	
Individual State Permit (not reissuance)			50	0	
Individual Part 70 Permit (not reissuance)			75	0	

Additional Points

Modeling Review			15	0
BACT Review			15	0
LAER Review			15	0
CAIR/Part 75 CEM analysis			10	0
NSPS Review			10	0
NESHAP Review			10	0
Case-by-case MACT Review			20	0
Netting			10	0
Limits to remain below threshold	4018	1	10	10
Plantwide Applicability Limit (PAL)			20	0
AERA review			15	0
Variance request under 7000.7000			35	0
Confidentiality request under 7000.1300			2	0

EAW review

Part 4410.4300, subparts 18, item A; and 29			15	0
Part 4410.4300, subparts 8, items A & B; 10, items A to C; 16, items A & D; 17, items A to C & E to G; and 18, items B & C			35	0
Part 4410.4300, subparts 4; 5 items A & B; 13; 15; 16, items B & C; and 17 item D			70	0

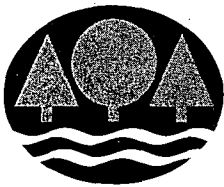
Add'l Points	10
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NOTES:

Although the Permittee did not propose limits to remain the NSR significant emissions increase thresholds, PM, PM10, and PM2.5 emission limits and a PM2.5 control efficiency requirement are necessary to avoid a major NSR modification

ATTACHMENT 4

2006 FUGITIVE EMISSIONS CONTROL PLAN



Minnesota Pollution Control Agency

June 21, 2006

Mr. David R. Turner, Plant Manager
ADM - Red Wing
126 LaGrange
Box 74
Red Wing, Minnesota 55066

Official File Stamp	
ADM Red Wing	
File Name	175F
File Number	
Page #	Staff JAB
Correspondence	
History	2006

RE: Fugitive Emission Control Plan, Review and Approval
Archer Daniels Midland Company - Red Wing
Air Emission Permit No. 04900001-001

Dear Mr. Turner:

The Minnesota Pollution Control Agency (MPCA) has completed its review of Archer Daniels Midland, Red Wing (Company) Fugitive Emission Control Plan, which the MPCA received on April 28, 2006.

The MPCA approves of the plan as received and believes it meets the requirements as specified in the Company's Air Quality Emission Permit (No. 001) issued on February 28, 2006.

The MPCA appreciates the Company's prompt attention to this permit requirement. If you have any questions or comments regarding this review and approval, please contact Greg Berger at (651) 296-8374.

Sincerely,

Steve D. Giddings, Supervisor
Compliance and Enforcement Section
Industrial Division

SDG/GB:ah

cc: Air Quality File No. 175F



Oilseed Processing

2006
JH GAB 175 F

Archer Daniels Midland Company
126 LaGrange, Box 74
Red Wing, MN 55066

April 27, 2006

AQ Permit Technical Adviser
Industrial Division
Minnesota Pollution Control Agency
520 Lafayette Rd. N.
St Paul, MN 55155-4194

Certified Mail-Return Receipt

Re: Fugitive Emission Control Plan
Air Emission Permit No. 049000001-001

Dear Adviser:

We have enclosed the Fugitive Emission Control Plan for your review and approval as required by the permit.

Please advise if changes are required.

Sincerely,

David R. Turner
Plant Manager

RECEIVED

APR 28 2006

4/28

ADM Red Wing FUGITIVE EMISSION CONTROL PLAN

Table of Contents

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Table 3-1 Fugitive Emission Source Practices

Table 3-2 Site Map

Form 4-1 Daily Visible Emission Checklist

1.0 Introduction

On February 28, 2006, Archer Daniels Midland (ADM) Red Wing was issued a Part 70 Air Emissions Operating Permit (Title V permit) which allows ADM to operate an oilseed processing and oil refining operation located in Red Wing, Minnesota. The permit requires that ADM submit a Fugitive Emission Control Plan to the MPCA for approval and follow the actions and recordkeeping specified in the approved plan. Upon approval by the MPCA, the plan will meet the permit requirements. MPCA's letter of approval of the plan is included in the records retained.

Amendments to the plan are subject to the Commissioner's approval prior to implementation.

2.0 Plan Objectives

The Fugitive Emission Control Plan's objectives are to provide ADM personnel with control measures and practices to minimize and control fugitive emissions as required by the Title V Permit. The plan defines: the procedures staff will follow to control emissions; when emissions are at levels requiring corrective actions; steps that will be followed to bring emissions within appropriate ranges; and steps and procedures ADM will use to demonstrate procedures are followed and to verify the facility is controlling avoidable fugitive emissions, as required by the Title V permit.

To meet these objectives, the Fugitive Control Plan:

- Identifies all fugitive emission sources
- Identifies the sources with avoidable fugitive emissions which are subject to the plan requirements
- Identifies the primary and contingent control measures and practices employed at ADM to control and minimize fugitive emissions
- Identifies visible emissions observations and corrective action requirements
- Describes fugitive dust control training elements
- Identifies ADM fugitive dust control recordkeeping requirements

3.0 Fugitive Emission Sources

Table 3-1 lists the fugitive emission sources identified in the permit and briefly describes the measures and practices employed to control fugitive emissions at each source. Table 3-1 also identifies the fugitive emission sources that require visible emission observation. The fugitive emission sources listed in the permit are further described below.

3.1 Truck Receiving Pit No 1 (FS-01) Truck Receiving Pit No 2 (FS-09)

Truck receiving is conducted Mon – Friday from 7 am – 5 pm and extended hours during the harvest season. Soft seeds are brought in by both hopper bottom and dump bed trucks and dumped in a pit.

Fugitive particulate emissions are minimal due to the dump pits being aspirated by a baghouse and through the dump pit being partially closed.

3.2 Rail Receiving (FS-02)

Rail Receiving is conducted Monday – Friday from 7 am – 5 pm and extended hours depending on market conditions and seed availability. Hopper Bottom rail cars are brought in and dumped in a pit.

Fugitive particulate emissions are minimal due to the dump pits being aspirated by a baghouse and through the dump pit being partially closed. Also the dumping into the pit is choke fed which eliminates the distance of product drop, minimizing dust.

3.3 Barge Load Out (FS03)

Barges are loaded Monday - Friday from 7 am – 5 pm and extended hours depending on market conditions and seed availability. Fugitive emissions are minimal due to the load out spout and conveying equipment being aspirated. Also loading procedures allow for minimal product dropping distance

3.4 Truck Meal Load Out (FS-05)

Truck Load out is conducted Mon – Friday from 7 am – 5 pm and extended hours during the harvest season. Trucks are loaded with primarily soft seed meal but pellets are also loaded.

Fugitive particulate emissions are minimal due to the loading spout being aspirated by a baghouse and because the load out building is partially enclosed.

3.5 Hexane Loss From Oil Produced on-Site (FS)

The Soft seed Oil Extraction Process operates 24 hours a day, 7 days a week. Fugitive hexane emissions are generated from leaks in pump seals, packing glands and other process equipment.

Fugitive VOC emissions are minimal due to the process equipment being under vacuum.

4.0 Operating Practices and Control Measures

The operating practices and control measures that will be implemented and recorded for the significant fugitive emission sources identified in Section 3 are described below.

4.1 Truck Receiving (FS01 & FS09)

Primary Control: Bag filter dust control system

Contingent Control: Partially Enclosed building

Practices: Daily visible emission check by shift manager or other designated visible emission observer
Daily pressure drop reading on baghouse logged by production operator

Records: Daily Visible Emissions Checklist (Form 4.1)
Daily Pressure drop readings for bagfilters (Form 4.1)

4.2 Rail Receiving (FS02)

Primary Control: Bag filter dust control system

Contingent Control: Shallow pit allowing choke feed

Practices: Daily visible emission check by shift manager or other designated visible emission observer
Daily pressure drop reading on baghouse logged by production operator

Records: Daily Visible Emissions Checklist (Form 4.1)
Daily Pressure drop readings for bagfilters (Form 4.1)

4.3 Barge Load out (FS03)

Primary Control: Bag filter dust control system

Contingent Control: Loading procedures to minimize product dropping distance

Practices: Daily visible emission check by shift manager or other designated visible emission observer
Daily pressure drop reading on bag house logged by production operator

Records: Daily Visible Emissions Checklist (Form 4.1)
Daily Pressure drop readings for bag filters (Form 4.1)

4.4 Truck Meal Load out (FS05)

Primary Control: Bag filter dust control system

Contingent Control: Partially Enclosed building

Practices: Daily visible emission check by shift manager or other designated visible emission observer

Daily pressure drop reading on bag house logged by production operator

Records: Daily Visible Emissions Checklist (Form 4.1)

Daily Pressure drop readings for bag filters (Form 4.1)

4.5 Hexane Loss from Oil Produced on-Site (FS)

Primary Control: Mineral Oil Absorber System

Contingent Control:

Practices: Daily monitoring of Temperature and flow for mineral oil
Follow Leak Detection Plan

Records: Daily Production Log

5.0 Training

An integral Part of the implementation of the Fugitive Emission Control Plan is appropriate training for the personnel involved. Training will be provided for all levels of personnel at the facility. Training records will be kept by the Plant Manager. Training will cover the following:

- Employee Responsibilities
- Forms
- Reporting
- Recordkeeping
- Corrective Action
- Maintenance
- Work Orders
- Dust Observation and Visibility Training
- Weather Observations
- Location of Information

6.0 Records

The following records will be maintained at ADM for a period of five (5) years, which is specified by the Facility's Title V Operating Permit.

- Pollution Control Device Inspections
- Daily Visible Emission Checklists
- Completed Work Orders
- Employee Training Records
- MPCA Fugitive Emission Plan Approval Letter
- Daily Operator's Report

7.0 Notifications

ADM will comply with MPCA notification rules, Minnesota R. 7019.1000, for shutdown and breakdowns.






Table 3-1
Fugitive Emission Source Practices

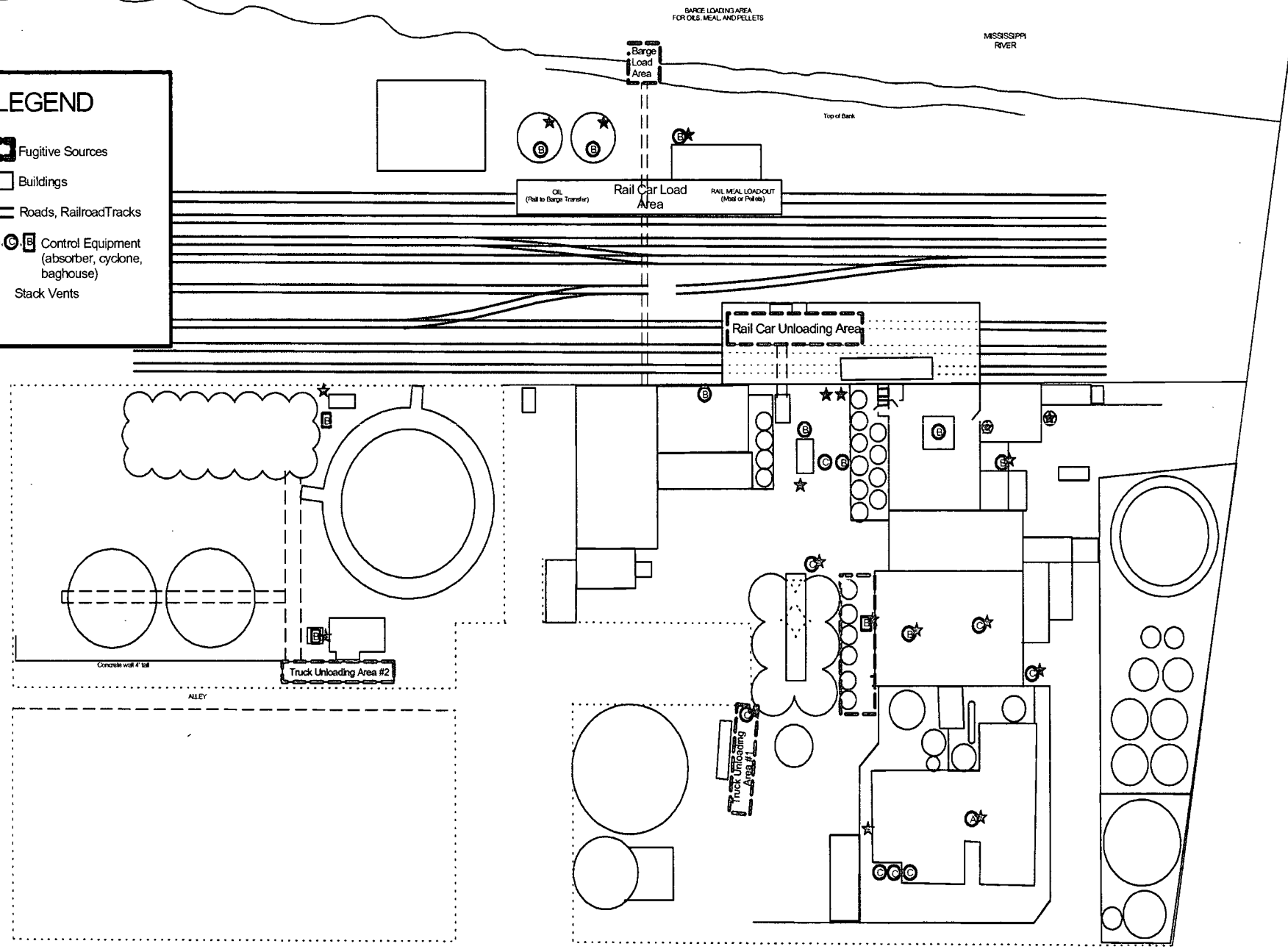
Emission Unit ID #	Emission Unit Name	Source Location	Operating/Control Practice	Visible Emissions Check Required?
FS01 & FS09	Truck Receiving	Processing Plant	Make sure bag filter is operating properly	Yes
FS02	Rail Receiving	Processing Plant	Make sure bag filter is operating properly	Yes
FS03	Barge Load out	Processing Plant	Make sure bag filter is operating properly	Yes
FS05	Truck Meal Load out	Processing Plant	Make sure bag filter is operating properly	Yes
FS	Hexane Loss from Production	Processing Plant	Make sure mineral oil system is operating properly	No

**Table 3-2
Site Map**

(See Attached Form)

LEGEND

-  Fugitive Sources
-  Buildings
-  Roads, Railroad Tracks
-  Control Equipment
(absorber, cyclone,
baghouse)
-  Stack Vents



Form 4.1
Daily Visible Emission Checklist

(See Attached Form)

Inspector: _____

Date: _____

Process Visual Inspection Log - Daily Recordkeeping Requirements

Baghouse Dust Collectors	CE# / SV#	Time	Pressure Drop	Allowable Range	Visible Emissions	Comments
Process Elevator Truck Dump Dust Collector	001 / 01			0.5" to 8.0"	Yes / No	
Flour Mill Elevator Truck Dump Dust Collector	002 / 02			0.5" to 8.0"	Yes / No	
Rail Seed Receiving Dust Collector	003 / 03			0.5" to 8.0"	Yes / No	
Truck Meal Loadout Dust Collector	004 / 18			0.5" to 8.0"	Yes / No	
Process Elevator Dust Collector	006 / 04			0.5" to 8.0"	Yes / No	
River Bin Tank 17	007 / 15			0.5" to 8.0"	Yes / No	
River Bin Tank 18	008 / 16			0.5" to 8.0"	Yes / No	
Flour Mill Elevator Dust Collector	009 / 05			0.5" to 8.0"	Yes / No	
Meal Grind Dust Collector	014 / 05			0.5" to 8.0"	Yes / No	
Rail/Barge Loadout Dust Collector	021 / 17			0.5" to 8.0"	Yes / No	

Cyclone Dust Collectors	CE# / SV#	Time	Visible Emissions	Comments
Flaker Cyclone	005 / 09		Yes / No	
Conditioner Cyclone	010 / 08		Yes / No	
DC Cyclones	013 / 12		Yes / No	
Pellet Cooler Cyclone	015 / 14		Yes / No	

Fugitive Source	FS# / CE#	Time	Visible Emissions	Doors Closed	Comments
Truck Receiving Pit No. 1	01 / 001		Yes / No		
Truck Receiving Pit No. 2	09 / 002		Yes / No		
Truck Meal Loadout	05 / 004		Yes / No	Yes / No	
Railcar Receiving - South	02 / 003		Yes / No		
Barge Loadout	03 / 021		Yes / No		

- * VE observations must be documented each day. When the process is down or inclement weather restricts observation please record a note in the comment line.
- * The dust collectors must be operated at all times that the process is operating, and any problems must be corrected as soon as possible.
- * Write a work order if you find that any pressure drop is not in range or if you detect any visible emissions. Begin corrective actions immediately.
- * If you detect significant fugitive emissions, make sure that where the dump/loadout can be fully enclosed, doors are closed and that the dust collector is working properly.
- * The visible emission checks must be made during daylight hours.