

**Technical Support Document  
For  
Draft Air Emission Permit No. 16500029-102**

This technical support document (TSD) is intended for all parties interested in the draft 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 permit.

**1. General information**

**1.1 Applicant and stationary source location:**

**Table 1. Applicant and source address**

<b>Applicant/Address</b>	<b>Stationary source/Address (SIC Code: 5153 - Grain and Field Beans)</b>
Crystal Valley Cooperative 1911 Excel Dr Mankato, Minnesota 56001-6281	Crystal Valley Cooperative - Madelia 83737 290th St Madelia, MN 56062
Contact: Reese Boucher Phone: 507-327-8686	

**1.2 Facility description**

Crystal Valley Coop - Madelia is a country grain elevator limited to receiving 260,000 tons per year (tpy) of grain. The facility receives corn and soybeans. Operation at the facility include grain receiving, handling, storage, and loadout to trucks and rail. There are four grain receiving pits, receiving grain only from trucks. If wet grain is received, the grain is dried in one of the two column dryers prior to storage. The facility has 22 vented silos/storage bins. Over 80% of the grain is loaded out by rail, and five of the storage bins directly load out to trucks.

The main pollutants of concern are particulate matter (PM), particulate matter less than 10 microns (PM<sub>10</sub>), and particulate matter less than 2.5 microns (PM<sub>2.5</sub>). Sources of PM/PM<sub>10</sub>/PM<sub>2.5</sub> are grain receiving, storage, drying, handling, loadout, and uncaptured (fugitive) emissions from truck traffic on unpaved roads. The facility also has combustion related pollutants from the grain dryer: nitrogen oxides (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), carbon monoxide (CO), carbon dioxide equivalent (CO<sub>2e</sub>), and hazardous air pollutants (HAPs).

**1.3 Description of the activities allowed by this permit action**

This permit action is Permit Reopening. This permit action is a permit reopening under Minn. R. 7007.1600, subp. 1(C) to correct material mistakes in the existing permit 16500029-101. The correction is removing opacity limits for “process emissions” from conveyors at COMG 5, which does not have any “process emissions” as defined by 40 CFR pt. 60, subp. DD.

**1.4 Description of notifications and applications included in this action**

**Table 2. Notifications and applications included in this action**

<b>Date received</b>	<b>Application/notification type and description</b>
MPCA Initiated	Permit Reopening (IND20260001)

**1.5 Facility emissions:**

**Table 3. Facility classification**

Classification	Major	Synthetic minor/area	Minor/area
PSD		X	
Part 70 Permit Program		X	
Part 63 NESHAP			X

**1.6 Changes to permit**

The following changes were made to the permit:

- Modified the opacity test due date for EQUI 38 to be due 30 days after the date of start-up because EQUI 38 was not operating during the Opacity 9, 2025 test.
- Removed opacity test requirements that were completed for EQUIs 3, 4, 5, 6, 34, 45, 46, 49, 50 and 51.

**2. Regulatory and/or statutory basis**

This permit action does not change any regulatory requirements that apply to the facility.

**2.1 New source review (NSR)**

The permit carries forward limits on the facility such that it is a minor source under New Source Review regulations. No modifications are authorized by this permit.

**2.2 Part 70 permit program**

The permit carries forward limits on the facility such that it is a nonmajor source under the Part 70 permit program. The fugitive emissions are not included when determining whether the source is a major stationary source since this facility is not one of the 28 listed source categories.

**2.3 New source performance standards (NSPS)**

The Permittee has stated that New Source Performance Standards apply to the operations at this facility.

**2.4 National emission standards for hazardous air pollutants (NESHAP)**

The facility is an area source under NESHAP regulations, but the Permittee has stated that no area source NESHAP standards apply.

**2.5 Regulatory overview****Table 4. Regulatory overview of units affected by the modification/permit amendment**

Subject item*	Applicable regulations	Rationale
COMG 5 (Enclosed conveyors subject to NSPS DD)	40 CFR pt. 60, subp. DD Minn. R. 7011.1005	Standards of Performance for Grain Elevators. Applicability criteria include: <ul style="list-style-type: none"> <li>• Facility is constructed after 8/13/1978 and exceeds 2.5 million US bushels of grain storage capacity.</li> <li>• Applies to the truck unloading and loading station, railcar unloading station, grain dryer, and all grain handling operations at the facility that were installed after the facility's grain storage capacity exceeded 2.5 million bushels (occurred 9/1/2003).</li> </ul> Note that these conveyors have no collection system for particulate matter.

\*Location of the requirement in the permit (e.g., EQUI 1, STRU 2, etc.).

### 3. Technical information

#### 3.1 Performance testing history

Table 5 shows the performance tests for receiving pits and enclosed conveyors for opacity conducted since the state permit was issued.

**Table 5. Performance Tests for Opacity**

ID#	Test Date	Applicable Limit	Opacity Result
EQUI 3	10/9/25	<= 5% from truck unloading	0.2%
EQUI 4	10/9/25	<= 5% from truck unloading	0%
EQUI 5	10/9/25	<= 5% from truck unloading	0%
EQUI 6	10/9/25	<= 5% from truck unloading	1.0%
COMG 5 (conveyors)	10/9/25	<= 0% from grain handling fugitive	0%

Based on the low opacity test results, the permit does not require any further re-testing for opacity because work practices to minimize grain handling emissions along with visible emission checks on truck unloading emissions are sufficient to demonstrate compliance with either the Minn. R. 7011.1005 or the NSPS DD standard as applicable.

#### 3.2 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.
- The kind of monitoring found on similar units elsewhere.

The table below summarizes the monitoring requirements associated with this amendment.

**Table 6. Monitoring**

Subject item*	Requirement (rule basis)	What is the monitoring	Why is this monitoring adequate?
COMG 5 (Enclosed conveyors subject to NSPS DD)	Opacity <= 0% opacity from grain handling operation fugitive emissions. [40 CFR 60.302(c)(2) & Minn. R. 7011.1005, subp. 2]	Work practices to minimize grain handling emissions	This group consists of enclosed conveyors and legs that are used to transport grain. No pressure release valves or fans are used in the grain handling system. Pressure that is created from the movement of grain through an individual conveyor is taken in by other connected conveyors. These enclosed conveyors are designed to lose as little material as possible; therefore, very little, if any, particulate is expected to be emitted from them and no monitoring is needed.
EQUI 38 (Enclosed conveyor subject to NSPS DD)	Opacity requirement under COMG 5	Performance test	This permit requires a one-time opacity performance test to demonstrate compliance with 40 CFR pt. 60, subp. DD. This test shall be conducted within 30 days after startup of the unit.

\*Location of the requirement in the permit (e.g., EQUI 1, STRU 2, etc.).

### **3.3 Insignificant activities**

Crystal Valley Cooperative - Madelia has several operations which are classified as insignificant activities under the MPCA's permitting rules. These are listed in Appendix A to the permit. No changes to insignificant activities are included in this modification.

### **3.4 Permit organization and standard language**

The only item that deviates from MPCA Tempo Guidance is the listing of certain applicable requirements at the group level even though they apply at the individual unit. Specifically: the opacity limits from the Standards of Performance for Dry Bulk Agricultural Commodity Facilities that apply to enclosed conveyors (COMG 6) and grain bins/storage (COMG 7), as well as the opacity limits from the Standards of Performance for Grain elevators for 40 CFR pt. 60, subp. DD that apply to enclosed conveyors are listed at the group level. In general, limits that apply to individual pieces of equipment should be tracked at the unit level and should not be listed at a group. The main reason is if there were noncompliance with a limit by one unit within the group, the computer system would say the whole group was out of compliance. For this case, enclosed conveyors and bins/silos are not reasonably expected to generate enough particulate matter to violate the limits. Therefore, it is highly unlikely that the MPCA would need to track noncompliance with this limit at the individual unit level so the permit team decided that a group was an acceptable way to include these requirements.

### **3.5 Comments received**

This section will be completed after the referenced review periods.

Public Notice Period: [start date] – [end date]

EPA Review Period: [start date] – [end date]

## **4. Permit fee assessment**

The permit action includes one reopening for which no points are charged.

## **5. Conclusion**

Based on the information provided by Crystal Valley Cooperative - Madelia the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 16500029-102 and this TSD, will not cause or contribute to a violation of applicable federal regulations and Minnesota Rules.

Staff members on permit team: Jesse Loi (permit engineer)  
Adriane Lorsung (peer reviewer)  
Rebecca Settle (performance test)  
Joe Handtmann (data coordinator)  
Beckie Olson (permit writing assistant)  
Laurie O'Brien (administrative support)

Tempo Activities: Permit Reopening (IND20260001)

Attachments: 1. Reopening notification email  
2. Subject item inventory and requirements report

**Attachment 1 – Reopening notification email**

**From:** [Loi, Jesse \(MPCA\)](#)  
**To:** [reece.boucher@crystalvalley.coop](mailto:reece.boucher@crystalvalley.coop)  
**Cc:** [roger.kienholz@crystalvalley.coop](mailto:roger.kienholz@crystalvalley.coop)  
**Subject:** Reopening of Air Permit No. 16500029-101 for Crystal Valley Cooperative - Madelia  
**Date:** Friday, May 8, 2026 2:42:00 PM  
**Attachments:** [image001.png](#)

---

Dear Reese Boucher:

MPCA staff are reopening your permit based on the April 13, 2026 Notification of Compliance for opacity testing. In particular, the erroneous NSPS DD process emission limits are a material mistake that requires a mandatory reopening under Minn. R. 7007.1600, subp. 1(C), while the revision to the EQUI 38 opacity test date is a mandatory reopening under Minn. R. 7007.1600, subp. 1(D).

This letter serves as the 30-day notice of the MPCA's intent to amend your permit, as required under Minn. R. 7007.1600, subp. 3. Please be aware that a mandatory reopening will be put on public notice similarly to a major amendment, and that public notice of the amended permit cannot begin until 30 days after this letter (June 8<sup>th</sup>) unless you consent to less notice. Thank you,

**Jesse Loi**

Air Quality Permit Engineer | Industrial Division

**Minnesota Pollution Control Agency**

520 Lafayette Road N.

Saint Paul, MN, 55155-4194

O: 651-757-2330

*Our mission is to protect and improve the environment and human health. |*

[pca.state.mn.us](http://pca.state.mn.us)



**Attachment 2 – Subject item inventory and facility requirements**

SI List

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)  
 Activity: IND20260001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	
Activity	Insignificant Air Emissions Activity	ACTV 1	Null	All IA's	
Agency Interest	Conventional Site	AISI 143529	Null	Null	
Component Group	Air Component Group	COMG 2	Null	Grain Receiving	
		COMG 3	Null	Grain Drying	
		COMG 4	Null	Grain Loadout	
		COMG 5	Null	Enclosed conveyors subject to NSPS subp. DD	
		COMG 6	Null	Enclosed Conveyors	
		COMG 7	Null	Grain Bins/Storage	
		Equipment	Conveyor	EQUI 31	Null
EQUI 32	Null			Leg #2	
EQUI 33	Null			Leg #3	
EQUI 34	Null			Leg #4	
EQUI 35	Null			Wet Leg	
EQUI 36	Null			Dry Leg	
EQUI 37	Null			Rail Shipping LEG	
EQUI 38	Null			Pit #2 Drag	
EQUI 39	Null			Dryer Reclaim Drag	
EQUI 40	Null			Rail Reclaim Drag	
EQUI 41	Null			Reclaim Drag 15-16	
EQUI 42	Null			Unload Drag 17	
EQUI 43	Null			Unload Drag 18	
EQUI 44	Null			Fill Drag 18	
EQUI 45	Null			Reversing Conveyor	
EQUI 46	Null			West Fill Conveyor	
EQUI 47	Null			Rail Shipping Belt	
EQUI 48	Null			Rail Shipping Drag	
EQUI 49	Null			Top Fill Belt	
EQUI 50	Null			Flat 120 Reclaim Belt	
EQUI 51	Null			Reversing Belt	
EQUI 52	Null			Cross Drag 18	
Dryer/Oven, indirect fired	EQUI 7			Null	Dryer Z-6055
	EQUI 8			Null	Dryer Z-3026
Loading-Unloading Equipment	EQUI 3			Null	Back Pit #1 Receiving
	EQUI 4			Null	Pit #2 Receiving
	EQUI 5			Null	Pit #3 Receiving
	EQUI 6			Null	Pit #4 Receiving
	EQUI 53			Null	Truck Loadout - Bin 1
	EQUI 54			Null	Truck Loadout - Bin 2
	EQUI 55			Null	Truck Loadout - Bin 15
	EQUI 56			Null	Truck Loadout - Bin 16
	EQUI 57		Null	Truck Loadout - Bin 17	
	EQUI 58		Null	Rail Loadout Bulk Weigher	
Silo/Bin	EQUI 9		Null	Storage Bin 1	
	EQUI 10		Null	Storage Bin 2	
	EQUI 11		Null	Storage Bin 3	
	EQUI 12		Null	Storage Bin 4	
	EQUI 13		Null	Storage Bin 5	
	EQUI 14		Null	Storage Bin 6	
	EQUI 15		Null	Storage Bin 7	
	EQUI 16		Null	Storage Bin 8	
	EQUI 17		Null	Storage Bin 9	
	EQUI 18		Null	Storage Bin 10	
	EQUI 19		Null	Storage Bin 11	
	EQUI 20		Null	Storage Bin 12	
	EQUI 21		Null	Storage Bin 13	
	EQUI 22		Null	Storage Bin 14	
	EQUI 23		Null	Storage Bin 15	
	EQUI 24		Null	Storage Bin 16	
	EQUI 25		Null	Storage Bin 17	
	EQUI 26		Null	Storage Bin 17-S	
	EQUI 27	Null	Storage Bin 18		
	EQUI 29	Null	Bin Flat 117		
EQUI 30	Null	Bin Flat 120			
Fugitive	Piles	FUGI 2	Null	Storage Pile	
	Unpaved Roads	FUGI 1	Null	Unpaved Roads	
Structure	Building	STRU 1	Null	Circular bin with flat top	
		STRU 2	Null	Circular bin with flat top	
		STRU 3	Null	Circular bin with flat top	
		STRU 4	Null	Circular bin with flat top	
		STRU 5	Null	Aggregated together in Irregular rectangular prism	
		STRU 6	Null	Aggregated together in Irregular rectangular prism	
		STRU 7	Null	Aggregated together in Irregular rectangular prism	
		STRU 8	Null	Aggregated together in Irregular rectangular prism	

SI List

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

SI Category	SI Type	Subject Item ID	Delta Designation	Description			
Structure	Building	STRU 9	Null	Aggregated together in Irregular rectangular prism			
		STRU 10	Null	Aggregated together in Irregular rectangular prism			
		STRU 11	Null	Aggregated together in Irregular rectangular prism			
		STRU 12	Null	Aggregated together in Irregular rectangular prism - Out of Service			
		STRU 13	Null	Aggregated together in Irregular rectangular prism - Out of Service			
		STRU 14	Null	Aggregated together in Irregular rectangular prism - Out of Service			
		STRU 15	Null	Circular bins with flat top; aggregated together			
		STRU 16	Null	Circular bins with flat top; aggregated together			
		STRU 17	Null	Circular bin with flat top			
		STRU 18	Null	Circular bin with conical top			
		STRU 19	Null	Circular bin with flat top			
		STRU 20	Null	Circular bin with conical top			
		STRU 21	Null	Rectangular prism			
		STRU 22	Null	Rectangular prism			
		STRU 23	Null	Rectangular prism			
		STRU 24	Null	Rectangular prism			
		STRU 25	Null	Rectangular prism			
		STRU 26	Null	Rectangular prism			
		<b>Total Facility</b>	Air Quality Total Facility	TFAC 1	Null	Crystal Valley Cooperative - Madelia	

## Insignificant Activities

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

SI Category	SI Type	Status Description	Sub Attribute Description	
Activity	Insignificant Air Emissions Activity	Active / Existing	Minn. R. 7007.1300, subp. 3(E)	

Emission Units 1

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Firing Method	Subject to CSAPR?	Electric Generating Capacity (MW)	Construction Start Date	Operation Start Date	Modification Date	
Dryer/Oven, indirect fired	EQUI 7	Null	Dryer Z-6055	Zimmerman	Z-6055	6,000	bushels/hours	Grain	Not coal burning	Null	Null	9/1/2015	1/1/2016	Null	
	EQUI 8	Null	Dryer Z-3026	Zimmerman	Z-3026	3,000	bushels/hours	Grain	Not coal burning	Null	Null	9/1/2009	1/1/2010	Null	

Emission Units 3

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Construction Start Date	Operation Start Date	Modification Date	
Conveyor	EQUI 31	Null	Leg #1	Howell SM	Custom	7,500	bushels/hours	Grain	9/1/1979	1/1/1980	Null	
	EQUI 32	Null	Leg #2	Howell SM	Custom	7,500	bushels/hours	Grain	9/1/1979	1/1/1980	Null	
	EQUI 33	Null	Leg #3	Schlagel	Custom	20,000	bushels/hours	Grain	9/1/1995	1/1/1996	Null	
	EQUI 34	Null	Leg #4	Intersystems	Custom	20,000	bushels/hours	Grain	9/1/2012	1/1/2013	Null	
	EQUI 35	Null	Wet Leg	Howell SM	Custom	20,000	bushels/hours	Grain	9/1/2009	1/1/2010	Null	
	EQUI 36	Null	Dry Leg	Howell SM	Custom	20,000	bushels/hours	Grain	9/1/2015	1/1/2016	Null	
	EQUI 37	Null	Rail Shipping LEG	Intersystems	Custom	40,000	bushels/hours	Grain	9/1/1979	1/1/1980	Null	
	EQUI 38	Null	Pit #2 Drag	Howell SM	Custom	10,000	bushels/hours	Grain	9/1/2019	1/1/2020	Null	
	EQUI 39	Null	Dryer Reclaim Drag	Howell SM	Custom	20,000	bushels/hours	Grain	9/1/2009	1/1/2010	Null	
	EQUI 40	Null	Rail Reclaim Drag	Howell SM	Custom	20,000	bushels/hours	Grain	9/1/1996	1/1/1997	Null	
	EQUI 41	Null	Reclaim Drag 15-16	Howell SM	Custom	15,000	bushels/hours	Grain	9/1/1995	1/1/1996	Null	
	EQUI 42	Null	Unload Drag 17	Howell SM	Custom	14,000	bushels/hours	Grain	9/1/1995	1/1/1996	Null	
	EQUI 43	Null	Unload Drag 18	Schlagel	Custom	20,000	bushels/hours	Grain	9/1/2003	1/1/2004	Null	
	EQUI 44	Null	Fill Drag 18	Schlagel	Custom	10,000	bushels/hours	Grain	9/1/2003	1/1/2004	Null	
	EQUI 45	Null	Reversing Conveyor	Howell SM	Custom	20,000	bushels/hours	Grain	9/1/2012	1/1/2013	Null	
	EQUI 46	Null	West Fill Conveyor	Schlagel	Custom	20,000	bushels/hours	Grain	9/1/2012	1/1/2013	Null	
	EQUI 47	Null	Rail Shipping Belt	Lokbuhr	Custom	20,000	bushels/hours	Grain	9/1/1996	1/1/1997	Null	
	EQUI 48	Null	Rail Shipping Drag	Intersystems	Custom	10,000	bushels/hours	Grain	9/1/1996	1/1/1997	Null	
	EQUI 49	Null	Top Fill Belt	Intersystems	Custom	20,000	bushels/hours	Grain	9/1/2011	1/1/2012	Null	
	EQUI 50	Null	Flat 120 Reclaim Belt	Intersystems	Custom	20,000	bushels/hours	Grain	9/1/2011	1/1/2012	Null	
	EQUI 51	Null	Reversing Belt	Intersystems	Custom	20,000	bushels/hours	Grain	9/1/2011	1/1/2012	Null	

### Emission Units 3

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

SI Type	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Construction Start Date	Operation Start Date	Modification Date	
Conveyor	EQUI 52	Null	Cross Drag 18	Howell SM	Custom	40,000	bushels/hours	Grain	9/1/2003	1/1/2004	Null	
Loading-Unloading Equipment	EQUI 3	Null	Back Pit #1 Receiving	Howell	700 bu	700	bushels/hours	Grain	9/1/1979	1/1/1980	Null	
	EQUI 4	Null	Pit #2 Receiving	Howell	400 bu	400	bushels/hours	Grain	9/1/1979	1/1/1980	Null	
	EQUI 5	Null	Pit #3 Receiving	Schlagel	1000 bu	1,000	bushels/hours	Grain	9/1/1995	1/1/1996	Null	
	EQUI 6	Null	Pit #4 Receiving	Intersystems	1000 bu	1,000	bushels/hours	Grain	9/1/2011	1/1/2012	Null	
	EQUI 53	Null	Truck Loadout - Bin 1	Hodgson Construction Co	Custom	18,000	bushels/hours	Grain	9/1/1979	1/1/1980	Null	
	EQUI 54	Null	Truck Loadout - Bin 2	Hodgson Construction Co	Custom	18,000	bushels/hours	Grain	9/1/1979	1/1/1980	Null	
	EQUI 55	Null	Truck Loadout - Bin 15	Hoffman Inc	Custom	18,000	bushels/hours	Grain	9/1/1995	1/1/1996	Null	
	EQUI 56	Null	Truck Loadout - Bin 16	Hoffman Inc	Custom	18,000	bushels/hours	Grain	9/1/1995	1/1/1996	Null	
	EQUI 57	Null	Truck Loadout - Bin 17	Hoffman Inc	Custom	18,000	bushels/hours	Grain	9/1/1986	1/1/1987	Null	
	EQUI 58	Null	Rail Loadout Bulk Weigher	Intersystems	Custom	60,000	bushels/hours	Grain	9/1/1996	1/1/1997	Null	
Silo/Bin	EQUI 9	Null	Storage Bin 1	Hodgson Construction Co	Custom	51,558	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 10	Null	Storage Bin 2	Hodgson Construction Co	Custom	51,558	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 11	Null	Storage Bin 3	Hodgson Construction Co	Custom	49,989	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 12	Null	Storage Bin 4	Hodgson Construction Co	Custom	49,989	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 13	Null	Storage Bin 5	Hodgson Construction Co	Custom	5,835	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 14	Null	Storage Bin 6	Hodgson Construction Co	Custom	5,390	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 15	Null	Storage Bin 7	Hodgson Construction Co	Custom	5,610	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 16	Null	Storage Bin 8	Hodgson Construction Co	Custom	9,349	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 17	Null	Storage Bin 9	Hodgson Construction Co	Custom	9,349	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 18	Null	Storage Bin 10	Hodgson Construction Co	Custom	5,670	bushels/each	Grain	9/1/1979	1/1/1980	Null	

Emission Units 3

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

SI Type Silo/Bin	Subject Item ID	Delta Designation	Description	Manufacturer	Model	Max Design Capacity	Max Design Capacity Units	Material	Construction Start Date	Operation Start Date	Modification Date	
	EQUI 19	Null	Storage Bin 11	Hodgson Construction Co	Custom	5,670	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 20	Null	Storage Bin 12	Hodgson Construction Co	Custom	6,824	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 21	Null	Storage Bin 13	Hodgson Construction Co	Custom	6,824	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 22	Null	Storage Bin 14	Hodgson Construction Co	Custom	4,139	bushels/each	Grain	9/1/1979	1/1/1980	Null	
	EQUI 23	Null	Storage Bin 15	Hoffman Inc	Custom	185,638	bushels/each	Grain	9/1/1995	1/1/1996	Null	
	EQUI 24	Null	Storage Bin 16	Hoffman Inc	Custom	185,638	bushels/each	Grain	9/1/1995	1/1/1996	Null	
	EQUI 25	Null	Storage Bin 17	Hoffman Inc	Custom	399,329	bushels/each	Grain	9/1/1995	1/1/1996	Null	
	EQUI 26	Null	Storage Bin 17-S	Meridian	Custom	5,129	bushels/each	Grain	9/1/1995	1/1/1996	Null	
	EQUI 27	Null	Storage Bin 18	Hoffman Inc	Custom	742,539	bushels/each	Grain	9/1/2022	1/1/2003	Null	
	EQUI 29	Null	Bin Flat 117	Marcus Construction/ Varco	Custom	540,707	bushels/each	Grain	9/1/1986	1/1/1987	Null	
	EQUI 30	Null	Bin Flat 120	Behlen	Custom	4,383,302	bushels/each	Grain	9/1/2011	1/1/2012	Null	

## Component Groups

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

Subject Item ID	Delta Designation	Description	Group Member ID	
COMG 2	Null	Grain Receiving	EQUI 3	
			EQUI 4	
			EQUI 5	
			EQUI 6	
COMG 3	Null	Grain Drying	EQUI 7	
			EQUI 8	
COMG 4	Null	Grain Loadout	EQUI 53	
			EQUI 54	
			EQUI 55	
			EQUI 56	
			EQUI 57	
COMG 5	Null	Enclosed conveyors subject to NSPS subp. DD	EQUI 34	
			EQUI 36	
			EQUI 38	
			EQUI 45	
			EQUI 46	
			EQUI 49	
COMG 6	Null	Enclosed Conveyors	EQUI 50	
			EQUI 51	
			EQUI 31	
			EQUI 32	
			EQUI 33	
			EQUI 35	
			EQUI 37	
			EQUI 39	
			EQUI 40	
			EQUI 41	
			EQUI 42	
			EQUI 43	
			EQUI 44	
COMG 7	Null	Grain Bins/Storage	EQUI 47	
			EQUI 48	
			EQUI 52	
			EQUI 9	
			EQUI 10	
			EQUI 11	
			EQUI 12	
			EQUI 13	

## Component Groups

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)  
Activity: IND20260001

Subject Item ID	Delta Designation	Description	Group Member ID	
COMG 7	Null	Grain Bins/Storage	EQUI 14	
			EQUI 15	
			EQUI 16	
			EQUI 17	
			EQUI 18	
			EQUI 19	
			EQUI 20	
			EQUI 21	
			EQUI 22	
			EQUI 23	
			EQUI 24	
			EQUI 25	
			EQUI 26	
			EQUI 27	
EQUI 29				
EQUI 30				

PTE by SI

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)  
 Activity: IND20260001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)
Component Group	Air Component Group	COMG 2	Null	Grain Receiving	Particulate Matter			23.4	
					PM < 2.5 micron			1.3	
					PM < 10 micron			7.67	
		COMG 3	Null	Grain Drying	Particulate Matter			14.3	
					PM < 2.5 micron			0.61	
					PM < 10 micron			3.58	
		COMG 4	Null	Grain Loadout	Particulate Matter			11.18	
					PM < 2.5 micron			0.4	
					PM < 10 micron			2.38	
Equipment	Conveyor	EQUI 31	Null	Leg #1	Particulate Matter	0.03	40.08	0.14	
					PM < 2.5 micron	0	3.81	0.01	
					PM < 10 micron	0.02	22.34	0.07	
		EQUI 32	Null	Leg #2	Particulate Matter	0.03	40.08	0.14	
					PM < 2.5 micron	0	3.81	0.01	
					PM < 10 micron	0.02	22.34	0.07	
		EQUI 33	Null	Leg #3	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.04	59.57	0.19	
		EQUI 34	Null	Leg #4	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
		EQUI 35	Null	Wet Leg	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
		EQUI 36	Null	Dry Leg	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
		EQUI 37	Null	Rail Shipping LEG	Particulate Matter	0.17	213.74	0.77	
					PM < 2.5 micron	0.02	20.32	0.07	
					PM < 10 micron	0.1	119.14	0.43	
		EQUI 38	Null	Pit #2 Drag	Particulate Matter	0.04	53.44	0.19	
					PM < 2.5 micron	0	5.08	0.02	
					PM < 10 micron	0.02	29.78	0.11	
		EQUI 39	Null	Dryer Reclaim Drag	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
		EQUI 40	Null	Rail Reclaim Drag	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
		EQUI 41	Null	Reclaim Drag 15-16	Particulate Matter	0.07	80.15	0.29	
					PM < 2.5 micron	0.01	7.62	0.03	
					PM < 10 micron	0.04	44.68	0.16	
		EQUI 42	Null	Unload Drag 17	Particulate Matter	0.06	74.81	0.27	
					PM < 2.5 micron	0.01	7.11	0.03	
					PM < 10 micron	0.03	41.7	0.15	
		EQUI 43	Null	Unload Drag 18	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
		EQUI 44	Null	Fill Drag 18	Particulate Matter	0.04	53.44	0.19	
					PM < 2.5 micron	0	5.08	0.02	
					PM < 10 micron	0.02	29.78	0.11	
		EQUI 45	Null	Reversing Conveyor	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
		EQUI 46	Null	West Fill Conveyor	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
		EQUI 47	Null	Rail Shipping Belt	Particulate Matter	0.09	106.87	0.38	
					PM < 2.5 micron	0.01	10.16	0.04	
					PM < 10 micron	0.05	59.57	0.21	
EQUI 48	Null	Rail Shipping Drag	Particulate Matter	0.04	53.44	0.19			
			PM < 2.5 micron	0	5.08	0.02			
			PM < 10 micron	0.02	29.78	0.11			
EQUI 49	Null	Top Fill Belt	Particulate Matter	0.09	106.87	0.38			
			PM < 2.5 micron	0.01	10.16	0.04			
			PM < 10 micron	0.05	59.57	0.21			
EQUI 50	Null	Flat 120 Reclaim Belt	Particulate Matter	0.09	106.87	0.38			
			PM < 2.5 micron	0.01	10.16	0.04			
			PM < 10 micron	0.05	59.57	0.21			
EQUI 51	Null	Reversing	Particulate Matter	0.09	106.87	0.38			

PTE by SI

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)  
 Activity: IND20260001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)				
Equipment	Conveyor	EQUI 51	Null	Reversing Belt	PM < 2.5 micron	0.01	10.16	0.04					
					PM < 10 micron	0.05	59.57	0.21					
		EQUI 52	Null	Cross Drag 18	Particulate Matter	0.17	213.74	0.77					
					PM < 2.5 micron	0.02	20.32	0.07					
					PM < 10 micron	0.1	119.14	0.43					
	Dryer/Oven, indirect fired	EQUI 7	Null	Dryer Z-6055	1,4-Dichlorobenzene (para-)	7.52e-05	0.00033	0.00033					
					Arsenic compounds	1.25e-05	5.49e-05	5.49e-05					
					Benzene	0.000132	0.000577	0.000577					
					Beryllium Compounds	7.52e-07	3.3e-06	3.3e-06					
					Cadmium compounds	6.9e-05	0.000302	0.000302					
					Carbon Dioxide	7,750	33,900	33,900					
					Carbon Dioxide Equivalent	7,791.56	34,127.02	34,100					
					Carbon Monoxide	5.42	23.75	23.75					
					Chromium compounds	8.78e-05	0.000384	0.000384					
					Cobalt compounds	5.27e-06	2.31e-05	2.31e-05					
					Formaldehyde	0.0047	0.0206	0.0206					
					HAPs - Total	0.118	0.518	0.518					
					Hexane	0.113	0.494	0.494					
					Lead Compounds	3.23e-05	0.000141	0.000141					
					Manganese compounds	2.38e-05	0.000104	0.000104					
					Mercury Compounds	1.63e-05	7.14e-05	7.14e-05					
					Methane	0.148	0.65	0.65					
					Naphthalene	3.82e-05	0.000168	0.000168					
					Nickel compounds	0.000132	0.000577	0.000577					
					Nitrogen Oxides	6.45	28.27	28.27					
					Nitrous Oxide	0.142	0.622	0.622					
					Particulate Matter	0.49	117.78	2.15					
					PM < 2.5 micron	1.62	7.09	2.15					
					PM < 10 micron	7.09	31.06	2.15					
					Polycyclic organic matter	5.3e-06	2.32e-05	2.32e-05					
					Selenium compounds	1.5e-06	6.59e-06	6.59e-06					
					Sulfur Dioxide	0.04	0.17	0.17					
					Toluene	0.000213	0.000934	0.000934					
					Volatile Organic Compounds	0.36	1.55	1.55					
					Equipment	EQUI 8	Null	Dryer Z-3026	1,4-Dichlorobenzene (para-)	7.52e-05	0.00033	0.00033	
									Arsenic compounds	1.25e-05	5.49e-05	5.49e-05	
									Benzene	0.000132	0.000577	0.000577	
									Beryllium Compounds	7.52e-07	3.3e-06	3.3e-06	
									Cadmium compounds	6.9e-05	0.000302	0.000302	
									Carbon Dioxide	2,120	9,290	9,290	
									Carbon Dioxide Equivalent	2,134.25	9,348.04	9,350	
									Carbon Monoxide	1.49	6.5	6.5	
	Chromium compounds	8.78e-05	0.000384	0.000384									
	Cobalt compounds	5.27e-06	2.31e-05	2.31e-05									
	Formaldehyde	0.0047	0.0206	0.0206									
	HAPs - Total	0.118	0.518	0.518									
	Hexane	0.113	0.494	0.494									
Lead Compounds	8.84e-06	3.87e-05	3.87e-05										
Manganese compounds	2.38e-05	0.000104	0.000104										
Mercury Compounds	1.63e-05	7.14e-05	7.14e-05										
Methane	0.0407	0.178	0.178										
Naphthalene	3.82e-05	0.000168	0.000168										
Nickel compounds	0.000132	0.000577	0.000577										
Nitrogen Oxides	1.77	7.74	7.74										
Nitrous Oxide	0.0389	0.17	0.17										
Particulate Matter	13.33	58.4	0.589										
PM < 2.5 micron	0.7	3.06	0.589										
PM < 10 micron	3.43	15.04	0.589										
Polycyclic organic matter	5.3e-06	2.32e-05	2.32e-05										
Selenium compounds	1.5e-06	6.59e-06	6.59e-06										
Sulfur Dioxide	0.0106	0.0465	0.0465										
Toluene	0.000213	0.000934	0.000934										
Volatile Organic Compounds	0.0972	0.426	0.426										
Loading-Unloading Equipment	EQUI 3	Null	Back Pit #1 Receiving	Particulate Matter					1.21	11.04	0		
				PM < 2.5 micron					0.07	0.61	0		
				PM < 10 micron					0.4	3.62	0		
	EQUI 4	Null	Pit #2 Receiving	Particulate Matter					0.69	6.31	0		
				PM < 2.5 micron					0.04	0.35	0		
				PM < 10 micron					0.23	2.07	0		
	EQUI 5	Null	Pit #3	Particulate Matter					1.72	15.77	0		

PTE by SI

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)  
 Activity: IND20260001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)
Equipment	Loading-Unloading Equipment	EQUI 5	Null	Pit #3 Receiving	PM < 2.5 micron	0.1	0.88	0	
					PM < 10 micron	0.56	5.17	0	
					Particulate Matter	1.72	15.77	0	
		EQUI 6	Null	Pit #4 Receiving	PM < 2.5 micron	0.1	0.88	0	
					PM < 10 micron	0.56	5.17	0	
					Particulate Matter	1.72	15.77	0	
		EQUI 53	Null	Truck Loadout - Bin 1	Particulate Matter	30.96	135.6	0	
					PM < 2.5 micron	1.76	7.73	0	
					PM < 10 micron	10.44	45.73	0	
		EQUI 54	Null	Truck Loadout - Bin 2	Particulate Matter	30.96	135.6	0	
					PM < 2.5 micron	1.76	7.73	0	
					PM < 10 micron	10.44	45.73	0	
		EQUI 55	Null	Truck Loadout - Bin 15	Particulate Matter	30.96	135.6	0	
					PM < 2.5 micron	1.76	7.73	0	
					PM < 10 micron	10.44	45.73	0	
		EQUI 56	Null	Truck Loadout - Bin 16	Particulate Matter	30.96	135.6	0	
					PM < 2.5 micron	1.76	7.73	0	
					PM < 10 micron	10.44	45.73	0	
		EQUI 57	Null	Truck Loadout - Bin 17	Particulate Matter	30.96	135.6	0	
					PM < 2.5 micron	1.76	7.73	0	
					PM < 10 micron	10.44	45.73	0	
	EQUI 58	Null	Rail Loadout Bulk Weigher	Particulate Matter	32.4	141.91	0		
				PM < 2.5 micron	0.44	1.94	0		
				PM < 10 micron	2.64	11.56	0		
	Silo/Bin	EQUI 9	Null	Storage Bin 1	Particulate Matter	0.0057	112.91	0.025	
					PM < 2.5 micron	0.000251	4.97	0.0011	
					PM < 10 micron	0.00144	28.45	0.00629	
		EQUI 10	Null	Storage Bin 2	Particulate Matter	0.0057	112.91	0.025	
					PM < 2.5 micron	0.000251	4.97	0.0011	
					PM < 10 micron	0.00144	28.45	0.00629	
		EQUI 11	Null	Storage Bin 3	Particulate Matter	0.00553	109.48	0.0242	
					PM < 2.5 micron	0.000243	4.82	0.00107	
					PM < 10 micron	0.00139	27.59	0.0061	
		EQUI 12	Null	Storage Bin 4	Particulate Matter	0.00553	109.48	0.0242	
					PM < 2.5 micron	0.000243	4.82	0.00107	
					PM < 10 micron	0.00139	27.59	0.0061	
		EQUI 13	Null	Storage Bin 5	Particulate Matter	0.000645	12.78	0.00283	
					PM < 2.5 micron	2.84e-05	0.56	0.000124	
					PM < 10 micron	0.000163	3.22	0.000712	
		EQUI 14	Null	Storage Bin 6	Particulate Matter	0.000596	11.8	0.00261	
					PM < 2.5 micron	2.62e-05	0.52	0.000115	
					PM < 10 micron	0.00015	2.97	0.000658	
EQUI 15		Null	Storage Bin 7	Particulate Matter	0.00062	12.29	0.00272		
				PM < 2.5 micron	2.73e-05	0.54	0.00012		
				PM < 10 micron	0.000156	3.1	0.000685		
EQUI 16		Null	Storage Bin 8	Particulate Matter	0.00103	20.47	0.00453		
				PM < 2.5 micron	4.55e-05	0.9	0.000199		
				PM < 10 micron	0.000261	5.16	0.00114		
EQUI 17		Null	Storage Bin 9	Particulate Matter	0.00103	20.47	0.00453		
				PM < 2.5 micron	4.55e-05	0.9	0.000199		
				PM < 10 micron	0.000261	5.16	0.00114		
EQUI 18		Null	Storage Bin 10	Particulate Matter	0.000627	12.42	0.00275		
				PM < 2.5 micron	2.76e-05	0.55	0.000121		
				PM < 10 micron	0.000158	3.13	0.000692		
EQUI 19		Null	Storage Bin 11	Particulate Matter	0.000627	12.42	0.00275		
				PM < 2.5 micron	2.76e-05	0.55	0.000121		
	PM < 10 micron			0.000158	3.13	0.000692			
EQUI 20	Null	Storage Bin 12	Particulate Matter	0.000755	14.94	0.00331			
			PM < 2.5 micron	3.32e-05	0.66	0.000145			
			PM < 10 micron	0.00019	3.77	0.000833			
EQUI 21	Null	Storage Bin 13	Particulate Matter	0.000755	14.94	0.00331			
			PM < 2.5 micron	3.32e-05	0.66	0.000145			
			PM < 10 micron	0.00019	3.77	0.000833			
EQUI 22	Null	Storage Bin 14	Particulate Matter	0.000458	9.06	0.002			
			PM < 2.5 micron	2.01e-05	0.4	8.82e-05			
			PM < 10 micron	0.000115	2.28	0.000505			
EQUI 23	Null	Storage Bin 15	Particulate Matter	0.0205	406.55	0.0899			
			PM < 2.5 micron	0.000903	17.89	0.00396			
			PM < 10 micron	0.00517	102.45	0.0227			
EQUI 24	Null	Storage Bin 16	Particulate Matter	0.0205	406.55	0.0899			
			PM < 2.5 micron	0.000903	17.89	0.00396			

PTE by SI

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

SI Category	SI Type	Subject Item ID	Delta Designation	Description	Pollutant	Potential (lbs/hr)	Unrestricted Potential (tons/yr)	Potential Limited (tons/yr)	Actual Emissions (tons/yr)			
Equipment	Silo/Bin	EQUI 24	Null	Storage Bin 16	PM < 10 micron	0.00517	102.45	0.0227				
					EQUI 25	Null	Storage Bin 17	Particulate Matter	0.0442	874.53	0.193	
								PM < 2.5 micron	0.00194	38.48	0.00851	
		EQUI 26	Null	Storage Bin 17-S	PM < 10 micron	0.0111	220.38	0.0487				
					Particulate Matter	0.000567	11.23	0.00248				
					PM < 2.5 micron	2.5e-05	0.49	0.000109				
		EQUI 27	Null	Storage Bin 18	PM < 10 micron	0.000143	2.83	0.000626				
					Particulate Matter	0.0821	1,626.16	0.36				
					PM < 2.5 micron	0.00361	71.55	0.0158				
		EQUI 29	Null	Bin Flat 117	PM < 10 micron	0.0207	409.79	0.0906				
					Particulate Matter	0.0598	1,184.15	0.262				
					PM < 2.5 micron	0.00263	52.1	0.0115				
		EQUI 30	Null	Bin Flat 120	PM < 10 micron	0.0151	298.41	0.066				
					Particulate Matter	0.485	9,599.43	2.12				
PM < 2.5 micron	0.0213				422.37	0.0934						
Fugitive	Piles	FUGI 2	Null	Storage Pile	Particulate Matter	0.122	2,419.06	0.535				
					PM < 2.5 micron	6.55	323.89	28.69				
					PM < 10 micron	0.93	23.54	4.07				
	Unpaved Roads	FUGI 1	Null	Unpaved Roads	Particulate Matter	2.68	126.55	11.72				
					PM < 2.5 micron	116.1	508.53	19.65				
					PM < 10 micron	2.98	13.07	0.5				
					Particulate Matter	29.83	130.67	5.05				

# FUGI

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)

Activity: IND20260001

Subject Item Type	Subject Item ID	Delta Designation	Description	Install Year	Pollutants Emitted	
Piles	FUGI 2	Null	Storage Pile	2003	Particulate Matter	
					PM < 2.5 micron	
					PM < 10 micron	
Unpaved Roads	FUGI 1	Null	Unpaved Roads	1979	Particulate Matter	
					PM < 2.5 micron	
					PM < 10 micron	

# Building

AI ID (Name): 143529 (Crystal Valley Cooperative - Madelia)  
 Activity: IND20260001

Subject Item ID	Delta Designation	Description	Height	Units (height)	Length	Units (length)	Width	Units (width)	
STRU 1	Null	Circular bin with flat top	131.5	feet	24	feet	24	feet	
STRU 2	Null	Circular bin with flat top	131.5	feet	24	feet	24	feet	
STRU 3	Null	Circular bin with flat top	127.5	feet	24	feet	24	feet	
STRU 4	Null	Circular bin with flat top	127.5	feet	24	feet	24	feet	
STRU 5	Null	Aggregated together in Irregular rectangular prism	116	feet	223	feet	223	feet	
STRU 6	Null	Aggregated together in Irregular rectangular prism	116	feet	223	feet	223	feet	
STRU 7	Null	Aggregated together in Irregular rectangular prism	116	feet	223	feet	223	feet	
STRU 8	Null	Aggregated together in Irregular rectangular prism	116	feet	223	feet	223	feet	
STRU 9	Null	Aggregated together in Irregular rectangular prism	116	feet	223	feet	223	feet	
STRU 10	Null	Aggregated together in Irregular rectangular prism	116	feet	223	feet	223	feet	
STRU 11	Null	Aggregated together in Irregular rectangular prism	116	feet	223	feet	223	feet	
STRU 12	Null	Aggregated together in Irregular rectangular prism - Out of Service	91.5	feet	142	feet	71	feet	
STRU 13	Null	Aggregated together in Irregular rectangular prism - Out of Service	91.5	feet	142	feet	71	feet	
STRU 14	Null	Aggregated together in Irregular rectangular prism - Out of Service	122	feet	33.1	feet	33.1	feet	
STRU 15	Null	Circular bins with flat top; aggregated together	132	feet	90	feet	45	feet	
STRU 16	Null	Circular bins with flat top; aggregated together	132	feet	90	feet	45	feet	
STRU 17	Null	Circular bin with flat top	132	feet	66	feet	66	feet	
STRU 18	Null	Circular bin with conical top	29	feet	16	feet	16	feet	
STRU 19	Null	Circular bin with flat top	132	feet	90	feet	90	feet	
STRU 20	Null	Circular bin with conical top	30	feet	298.3	feet	298.3	feet	
STRU 21	Null	Rectangular prism	18.7	feet	300	feet	119.5	feet	
STRU 22	Null	Rectangular prism	33.2	feet	499.2	feet	299.1	feet	
STRU 23	Null	Rectangular prism	14	feet	15	feet	10	feet	
STRU 24	Null	Rectangular prism	11	feet	18.5	feet	10	feet	
STRU 25	Null	Rectangular prism	11	feet	23.5	feet	10	feet	
STRU 26	Null	Rectangular prism	10	feet	31	feet	10	feet	

SI Id	Sequence	Requirement
TFAC 1	1240	Permit Appendices: This permit contains appendices as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in Appendices: A. Insignificant Activities and General Applicable Requirements; B. 40 CFR Part 60, Subpart A - General Provisions; and C. 40 CFR Part 60, Subpart DD - Standards of Performance for Grain Elevators. [Minn. R. 7007.0800, subp. 2(A) & (B)]
TFAC 1	1245	The Permittee must comply with Minn. Stat. 116.385. The Permittee may not use trichloroethylene at its permitted facility including in any manufacturing, processing, or cleaning processes, except as described in Minn. Stat. 116.385, subd. 2(b) and 4. This is a state-only requirement and is not enforceable by the U.S. Environmental Protection Agency (EPA) Administrator and citizens under the Clean Air Act. [Minn. R. 7007.0100, subp. 7(X), Minn. Stat. 116.385]
TFAC 1	1260	PERMIT SHIELD: Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition. Subject to the limitations of Minn. R. 7007.1800 and 7017.0100, subp. 2, notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.  This permit shall not alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance. [Minn. R. 7007.1800(A)(2)]
TFAC 1	1380	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. [Minn. R. 7011.0020]
TFAC 1	1390	The Permittee must at all times properly operate and maintain the facilities and systems of treatment and control and the appurtenances related to them that are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. [Minn. R. 7007.0800, subp. 16(J)]
TFAC 1	1400	Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment. At a minimum, the O & M plan shall identify all air pollution control equipment and control practices and shall include a preventative maintenance program for the equipment and practices, a description of (the minimum but not necessarily the only) corrective actions to be taken to restore the equipment and practices to proper operation to meet applicable permit conditions, a description of the employee training program for proper operation and maintenance of the control equipment and practices, and the records kept to demonstrate plan implementation. [Minn. R. 7007.0800, subp. 14, Minn. R. 7007.0800, subp. 16(J)]
TFAC 1	1410	Operation Changes: In any shutdown, breakdown, or deviation the Permittee must immediately or as soon as possible considering plant and personnel safety take all practical steps to modify operations to reduce the emission of any regulated air pollutant. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment are permitted to operate. [Minn. R. 7019.1000, subp. 4]
TFAC 1	1420	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. [Minn. R. 7011.0150]
TFAC 1	1430	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 enforceable by the EPA Administrator or citizens under the Clean Air Act. [Minn. R. 7030.0010-7030.0080]
TFAC 1	1440	Inspections: The Permittee shall comply with the inspection procedures and requirements as found in Minn. R. 7007.0800, subp. 9(A). [Minn. R. 7007.0800, subp. 9(A)]
TFAC 1	1450	The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16. [Minn. R. 7007.0800, subp. 16]
TFAC 1	1460	Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in this permit. [Minn. R. ch. 7017]

SI Id	Sequence	Requirement
TFAC 1	1470	<p>Performance Test Notifications and Submittals:</p> <p>Performance Test Notification and Plan: due 30 days before each Performance Test  Performance Test Pre-test Meeting: due seven days before each Performance Test  Performance Test Report: due 45 days after each Performance Test</p> <p>The Notification, Test Plan, and Test Report must be submitted in a format specified by the commissioner.  [Minn. R. 7017.2017, Minn. R. 7017.2030, subps. 1-4, Minn. R. 7017.2035, subps. 1-2]</p>
TFAC 1	1480	<p>Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as stated in the MPCA's follow up compliance letter granting preliminary approval. Preliminary approval is based on formal review of a subsequent performance test on the same unit as specified by Minn. R. 7017.2025, subp. 3.</p> <p>The limit is final upon issuance of a permit amendment incorporating the change. [Minn. R. 7017.2025, subp. 3]</p>
TFAC 1	1490	<p>Monitoring Equipment Calibration - The Permittee shall either:</p> <ol style="list-style-type: none"> <li>1. Calibrate or replace required monitoring equipment every 12 months; or</li> <li>2. Calibrate at the frequency stated in the manufacturer's specifications.</li> </ol> <p>For each monitor, the Permittee shall maintain a record of all calibrations, including the date conducted, and any corrective action that resulted. The Permittee shall include the calibration frequencies, procedures, and manufacturer's specifications (if applicable) in the Operations and Maintenance Plan. Any requirements applying to continuous emission monitors are listed separately in this permit. [Minn. R. 7007.0800, subp. 4(D)]</p>
TFAC 1	1500	<p>Operation of Monitoring Equipment: Unless noted elsewhere in this permit, 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. [Minn. R. 7007.0800, subp. 4(D)]</p>
TFAC 1	1510	<p>Recordkeeping: Retain all records at the stationary source, unless otherwise specified within this permit, for five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at this location include all calibration and maintenance records, all original 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). [Minn. R. 7007.0800, subp. 5(C)]</p>
TFAC 1	1520	<p>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. [Minn. R. 7007.0800, subp. 5(B)]</p>
TFAC 1	1530	<p>If 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 non-expiring 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. [Minn. R. 7007.1200, subp. 4]</p>
TFAC 1	1610	<p>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 Permittee does not have advance knowledge of the shutdown, the Permittee must notify 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.</p> <p>At the time of notification, the owner or operator must inform the commissioner of the cause of the shutdown and the estimated duration. The owner or operator must notify the commissioner when the shutdown is over.  [Minn. R. 7019.1000, subp. 3]</p>

SI Id	Sequence	Requirement
TFAC 1	1620	<p>Breakdown Notifications: Notify the commissioner within 24 hours of a breakdown of more than one hour 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.</p> <p>At the time of notification or as soon as possible thereafter, the Permittee must inform the commissioner of the cause of the breakdown and the estimated duration. The Permittee must notify the commissioner when the breakdown is over. [Minn. R. 7019.1000, subp. 2]</p>
TFAC 1	1630	<p>Notification of Deviations Endangering Human Health or the Environment: Immediately after discovery of the deviation or immediately after when the deviation reasonably should have been discovered, notify the commissioner either orally or by e-mail, or telephone the state duty officer at 800-422-0798 or 651-649-5451, of any deviation from permit conditions that could endanger human health or the environment. [Minn. R. 7019.1000, subp. 1]</p>
TFAC 1	1640	<p>Notification of Deviations Endangering Human Health or the Environment Report: Within two working days of discovery, notify the commissioner in writing of any deviation from permit conditions that could endanger human health or the environment. Include the following information in this written description:</p> <ol style="list-style-type: none"> <li>1. the cause of the deviation;</li> <li>2. the exact dates of the period of the deviation, if the deviation has been corrected;</li> <li>3. whether or not the deviation has been corrected;</li> <li>4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and</li> <li>5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation. [Minn. R. 7019.1000, subp. 1]</li> </ol>
TFAC 1	1650	<p>The Permittee must submit a semiannual deviations report : Due semiannually, by the 30th of January and July. The first semiannual report submitted by the Permittee must 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. Submit this on form DRF-2 (Deviation Reporting Form). If no deviations have occurred, submit the signed report certifying that there were no deviations. [Minn. R. 7007.0800, subp. 6(B)(2)]</p>
TFAC 1	1670	<p>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.</p> <p>Upon adoption of a new or amended federal applicable requirement, and if there are three or more years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150 - 7007.1500]</p>
TFAC 1	1680	<p>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). Performance testing deadlines from the General Provisions of 40 CFR pt. 60 and pt. 63 are examples of deadlines for which the MPCA does not have authority to grant extensions and therefore do not meet the requirements of Minn. R. 7007.1400, subp. 1(H). [Minn. R. 7007.1400, subp. 1(H)]</p>
TFAC 1	1690	<p>The Permittee must submit a compliance schedule progress report : Due semiannually, by the 30th of January and July. The Compliance Schedule Progress Report must contain the information specified in Minn. R. 7007.0800, subp. 6(C) and must be submitted on a form approved by the Commissioner in accordance with the Compliance Schedule contained in this permit. Progress Reports will not be needed upon completion of all activities contained in the Compliance Schedule. [Minn. R. 7007.0800, subp. 6(C)]</p>
TFAC 1	1700	<p>The Permittee must submit a compliance certification : Due annually, by the 31st of January (for the previous calendar year). Submit this on form CR-04 (Annual Compliance Certification Report). This report covers all deviations experienced during the calendar year. If no deviations have occurred, submit the signed report certifying that there were no deviations. [Minn. R. 7007.0800, subp. 6(D)]</p>
TFAC 1	1703	<p>Within 15 days of a request from the Commissioner, the Permittee must provide a complete summary of all performance tests required at the facility including the subject item, pollutant, most recent test date (if applicable), and the date of the next test in an approved format. [Minn. R. 7007.0800, subp. 16(L)]</p>

SI Id	Sequence	Requirement
TFAC 1	1730	Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance. Submit in a format specified by the Commissioner. [Minn. R. 7019.3000-7019.3100]
TFAC 1	1740	Emission Fees: due 30 days after receipt of an MPCA bill. [Minn. R. 7002.0005-7002.0085]
TFAC 1	3350	The Permittee must clean up commodities spilled on the driveway and other facility property as required to minimize fugitive emissions to a level consistent with RACT (reasonably available control technology). [Minn. R. 7011.1005, subp. 1(A)]
COMG 2	6430	The Permittee must limit Process Throughput <= 260,000 tons per year 12-month rolling sum of grain received to be calculated by the 15th day of each month for the previous 12-month period as described later in this permit. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000, To avoid major source under 40 CFR 70.2 & Minn. R. 7007.0200]
COMG 2	6440	Process Throughput: Daily Recordkeeping. On each day of operation the Permittee shall calculate, record, and maintain a record of the total grain received at the elevator in tons. This shall be based on written or electronic records of grain received as measured at scale. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000, To avoid major source under 40 CFR 70.2 & Minn. R. 7007.0200]
COMG 2	6450	Process Throughput: Monthly Recordkeeping. By the 15th of the month, the Permittee shall calculate and record the following: 1) The total process throughput for grain received at receiving pits EQUI 3, EQUI 4, EQUI 5, and EQUI 6 for the previous calendar month using the daily records; and 2) The 12-month rolling sum of process throughput for the previous 12-month period by summing the monthly process throughput used for the previous 12 months. [Minn. R. 7007.0800, subps. 4-5]
COMG 3	6430	The Permittee must limit Process Throughput <= 130,000 tons per year 12-month rolling sum of grain dried to be calculated by the 15th day of each month for the previous 12-month period as described later in this permit. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000, To avoid major source under 40 CFR 70.2 & Minn. R. 7007.0200]
COMG 3	6440	Process Throughput: Daily Recordkeeping. On each day of operation the Permittee shall calculate, record, and maintain a record of the total grain dried at the grain dryers in tons. This shall be based on written or electronic records of grain received as measured at scale designated as requiring drying. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000, To avoid major source under 40 CFR 70.2 & Minn. R. 7007.0200]
COMG 3	6450	Process Throughput: Monthly Recordkeeping. By the 15th of the month, the Permittee shall calculate and record the following: 1) The total process throughput for grain dried at grain dryers at EQUI 7 and EQUI 8 for the previous calendar month using the daily records; and 2) The 12-month rolling sum of process throughput for the previous 12-month period by summing the monthly process throughput used for the previous 12 months. [Minn. R. 7007.0800, subps. 4-5]
COMG 4	6430	The Permittee must limit Process Throughput <= 260,000 tons per year 12-month rolling sum of grain loaded out to be calculated by the 15th day of each month for the previous 12-month period as described later in this permit. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000, To avoid major source under 40 CFR 70.2 & Minn. R. 7007.0200]
COMG 4	6440	Process Throughput: Daily Recordkeeping. On each day of operation the Permittee shall calculate, record, and maintain a record of the total grain loaded out in tons. This shall be based on written or electronic grain loadout as measured at scale. [Title I Condition: Avoid major source under 40 CFR 52.21(b)(1)(i) and Minn. R. 7007.3000, To avoid major source under 40 CFR 70.2 & Minn. R. 7007.0200]
COMG 4	6450	Process Throughput: Monthly Recordkeeping. By the 15th of the month, the Permittee shall calculate and record the following: 1) The total process throughput for grain loaded out from EQUI 53, EQUI 54, EQUI 55, EQUI 56, EQUI 57, and EQUI 58 for the previous calendar month using the daily records; and 2) The 12-month rolling sum of process throughput for the previous 12-month period by summing the monthly process throughput used for the previous 12 months. [Minn. R. 7007.0800, subps. 4-5]
COMG 5	8270	The Permittee shall limit Opacity <= 0 percent opacity from grain handling operation fugitive emissions. This requirement applies on and after the 60th day of achieving the maximum production rate, but no later than 180 days after initial startup. [40 CFR 60.302(c)(2) & Minn. R. 7011.1005, subp. 2]

SI Id	Sequence	Requirement
COMG 5	8280	<p>The Permittee must comply with all applicable requirements of 40 CFR pt. 60, subp. DD as follows:</p> <p>40 CFR 60.300;  40 CFR 60.301;  40 CFR 60.302(c)(2);  40 CFR 60.303; and  40 CFR 60.304.</p> <p>A copy of 40 CFR pt. 60, subp. DD is included in Appendix C.</p> <p>If the standard changes or upon adoption of a new or amended federal applicable requirement, and if there are more than three years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [40 CFR pt. 60, subp. DD, Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150-7007.1500, Minn. R. 7011.1005, subp. 2]</p>
COMG 5	35700	<p>The Permittee must comply with all applicable requirements of 40 CFR pt. 60, subp. A as follows:</p> <p>40 CFR 60.1(a)-(c);  40 CFR 60.2-4;  40 CFR 60.5(a);  40 CFR 60.5(b);  40 CFR 60.6(a);  40 CFR 60.6(b);  40 CFR 60.7(a)(1)-(4);  40 CFR 60.7(a)(6);  40 CFR 60.7(b);  40 CFR 60.8(a)-(g);  40 CFR 60.9;  40 CFR 60.11(a)-(d);  40 CFR 60.11(e)(1)-(3);  40 CFR 60.11(e)(6)-(8);  40 CFR 60.11(f);  40 CFR 60.11(g);  40 CFR 60.12;  40 CFR 60.14(a)-(c);  40 CFR 60.14(e)-(g);  40 CFR 60.15(a)-(g);  40 CFR 60.19(a)-(e); and  40 CFR 60.19(f)(1)-(4).</p> <p>A copy of 40 CFR pt. 60, subp. A is included in Appendix B. If the standard changes or upon adoption of a new or amended federal applicable requirement, and if there are more than three years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [40 CFR pt. 60, subp. A, Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150-7007.1500, Minn. R. 7011.0050, subp. 1(A), Minn. R. 7017.1010 &amp; 7017.2015, subp. 2, Minn.</p>
COMG 6	3390	<p>Opacity &lt;= 5 percent opacity from handling operation fugitive emissions. This limit applies separately to each individual unit in the group. [Minn. R. 7011.1005, subp. 3(A)]</p>
COMG 7	3390	<p>Opacity &lt;= 5 percent opacity from any bin vent while transferring grain in or out of the bin. This limit applies separately to each individual unit in the group. [Minn. R. 7011.1005, subp. 3(A)]</p>

SI Id	Sequence	Requirement
COMG 7	3391	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings at a downwind bin vent once each day of operation while grain is being handled. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
COMG 7	3392	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and which bin(s) the visible emissions were observed. The presence of visible emissions at any bin vent is considered a deviation and must be reported in the semiannual deviations report by this permit. [Minn. R. 7007.0800, subps. 4-5]
COMG 7	3393	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed. Corrective actions include, but are not limited to, reducing the rate of grain being added to the bin, adding mineral oil prior to adding grain to the bin, and postponing operations until no visible emissions are observed. The Permittee shall keep a record of the type and date of any corrective action taken, at which bin(s) the corrective actions were taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 3	3390	Opacity <= 5 percent opacity from truck unloading station fugitive emissions. [Minn. R. 7011.1005, subp. 3(A)]
EQUI 3	3391	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings at the Grain Receiving Building door for EQUI 3 at least once each day of operation while grain is being unloaded from a truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
EQUI 3	3392	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the unloading station is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is received at EQUI 3 during the operating day, then the Permittee shall record that no grain was received. [Minn. R. 7007.0800, subps. 4-5]
EQUI 3	3393	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed at the EQUI 3. Corrective actions include, but are not limited to, reducing the truck unloading rate, closing the pit door during unloading operations, and ceasing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 4	3390	Opacity <= 5 percent opacity from truck unloading station fugitive emissions. [Minn. R. 7011.1005, subp. 3(A)]
EQUI 4	3391	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings at the Grain Receiving Building door for EQUI 4 at least once each day of operation while grain is being unloaded from a truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]

SI Id	Sequence	Requirement
EQUI 4	3392	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the unloading station is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is received at EQUI 4 during the operating day, then the Permittee shall record that no grain was received. [Minn. R. 7007.0800, subps. 4-5]
EQUI 4	3393	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed at the EQUI 4. Corrective actions include, but are not limited to, reducing the truck unloading rate, closing the pit door during unloading operations, and creasing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 5	3390	Opacity <= 5 percent opacity from truck unloading station fugitive emissions. [Minn. R. 7011.1005, subp. 3(A)]
EQUI 5	3391	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings at the Grain Receiving Building door for EQUI 5 at least once each day of operation while grain is being unloaded from a truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
EQUI 5	3392	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the unloading station is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is received at EQUI 5 during the operating day, then the Permittee shall record that no grain was received. [Minn. R. 7007.0800, subps. 4-5]
EQUI 5	3393	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed at the EQUI 5. Corrective actions include, but are not limited to, reducing the truck unloading rate, closing the pit door during unloading operations, and creasing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 6	8320	The Permittee shall limit Opacity <= 5 percent opacity from truck unloading station fugitive emissions. This requirement applies on and after the 60th day of achieving the maximum production rate, but no later than 180 days after initial startup. [40 CFR 60.302(c)(1) & Minn. R. 7011.1005, subp. 2]
EQUI 6	8330	The Permittee must comply with all applicable requirements of 40 CFR pt. 60, subp. DD as follows:  40 CFR 60.300; 40 CFR 60.301; 40 CFR 60.302(c)(1); 40 CFR 60.303; and 40 CFR 60.304.  A copy of 40 CFR pt. 60, subp. DD is included in Appendix C.  If the standard changes or upon adoption of a new or amended federal applicable requirement, and if there are more than three years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [40 CFR pt. 60, subp. DD, Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150-7007.1500, Minn. R. 7011.1005, subp. 2]

SI Id	Sequence	Requirement
EQUI 6	8340	Visible Emissions (VE) Inspection: The Permittee must conduct visible emissions (VE) readings using Method 22 or an alternative method approved by the MPCA at the Grain Receiving Building door for EQUI 6 at least once each day of operation while grain is being unloaded from a truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period must be no less than 10 minutes. The observer must select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR pt. 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subps. 4-5]
EQUI 6	8350	Recordkeeping of VE Inspection: The Permittee must record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the unloading station is considered a deviation and must be reported in the semiannual deviations report required by this permit. If no grain is unloaded at EQUI 6 during the operating day, then the Permittee must record that no grain was unloaded. [Minn. R. 7007.0800, subps. 4-5]
EQUI 6	8360	Corrective Actions: The Permittee must take corrective action as soon as possible if visible emissions are observed at the EQUI 6. Corrective actions include, but are not limited to, reducing the truck loading rate, closing the pit door during loading operations, and ceasing operations until no visible emissions are observed. Corrective actions must return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee must keep a record of the type and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 6	35700	<p>The Permittee must comply with all applicable requirements of 40 CFR pt. 60, subp. A as follows:</p> <p>40 CFR 60.1(a)-(c);  40 CFR 60.2-4;  40 CFR 60.5(a);  40 CFR 60.5(b);  40 CFR 60.6(a);  40 CFR 60.6(b);  40 CFR 60.7(a)(1)-(4);  40 CFR 60.7(a)(6);  40 CFR 60.7(b);  40 CFR 60.8(a)-(g);  40 CFR 60.9;  40 CFR 60.11(a)-(d);  40 CFR 60.11(e)(1)-(3);  40 CFR 60.11(e)(6)-(8);  40 CFR 60.11(f);  40 CFR 60.11(g);  40 CFR 60.12;  40 CFR 60.14(a)-(c);  40 CFR 60.14(e)-(g);  40 CFR 60.15(a)-(g);  40 CFR 60.19(a)-(e); and  40 CFR 60.19(f)(1)-(4).</p> <p>A copy of 40 CFR pt. 60, subp. A is included in Appendix B. If the standard changes or upon adoption of a new or amended federal applicable requirement, and if there are more than three years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [40 CFR pt. 60, subp. A, Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150-7007.1500, Minn. R. 7011.0050, subp. 1(A), Minn. R. 7017.1010 &amp; 7017.2015, subp. 2, Minn.</p>

SI Id	Sequence	Requirement
EQUI 7	4951	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings at the Grain Receiving Building door for EQUI 7 at least once each day of operation while grain is being dried. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
EQUI 7	4981	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the unloading station is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is dried at EQUI 7 during the operating day, then the Permittee shall record that no grain was dried. [Minn. R. 7007.0800, subps. 4-5]
EQUI 7	4982	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed at the EQUI 7. Corrective actions include, but are not limited to, reducing the gran drying rate, or ceasing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 7	8230	The Permittee shall limit Opacity $\leq$ 0 percent opacity from a column dryer with a column plate perforation exceeding 2.4 mm (0.094 inch) diameter. This requirement applies on and after the 60th day of achieving the maximum production rate at which the dryer will be operated, but no later than 180 days after initial startup. [40 CFR 60.302(a)(1) & Minn. R. 7011.1005, subp. 2]
EQUI 7	8240	The Permittee must comply with all applicable requirements of 40 CFR pt. 60, subp. DD as follows:  40 CFR 60.300; 40 CFR 60.301; 40 CFR 60.302(a)(1); 40 CFR 60.303; and 40 CFR 60.304.  A copy of 40 CFR pt. 60, subp. DD is included in Appendix C.  If the standard changes or upon adoption of a new or amended federal applicable requirement, and if there are more than three years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [40 CFR pt. 60, subp. DD, Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150-7007.1500, Minn. R. 7011.1005, subp. 2]

SI Id	Sequence	Requirement
		<p>The Permittee must comply with all applicable requirements of 40 CFR pt. 60, subp. A as follows:</p> <p>40 CFR 60.1(a)-(c);  40 CFR 60.2-4;  40 CFR 60.5(a);  40 CFR 60.5(b);  40 CFR 60.6(a);  40 CFR 60.6(b);  40 CFR 60.7(a)(1)-(4);  40 CFR 60.7(a)(6);  40 CFR 60.7(b);  40 CFR 60.8(a)-(g);  40 CFR 60.9;  40 CFR 60.11(a)-(d);  40 CFR 60.11(e)(1)-(3);  40 CFR 60.11(e)(6)-(8);  40 CFR 60.11(f);  40 CFR 60.11(g);  40 CFR 60.12;  40 CFR 60.14(a)-(c);  40 CFR 60.14(e)-(g);  40 CFR 60.15(a)-(g);  40 CFR 60.19(a)-(e); and  40 CFR 60.19(f)(1)-(4).</p> <p>A copy of 40 CFR pt. 60, subp. A is included in Appendix B. If the standard changes or upon adoption of a new or amended federal applicable requirement, and if there are more than three years remaining in the permit term, the Permittee shall file an application for an amendment within nine months of promulgation of the applicable requirement, pursuant to Minn. R. 7007.0400, subp. 3. [40 CFR pt. 60, subp. A, Minn. R. 7007.0400, subp. 3, Minn. R. 7007.1150-7007.1500, Minn. R. 7011.0050, subp. 1(A), Minn. R. 7017.1010 &amp; 7017.2015, subp. 2, Minn.</p>
EQUI 7	35700	
EQUI 8	3370	The perforations of a column dryer screen must not exceed 3/32 inches in diameter. [Minn. R. 7011.1005, subp. 5(A)]
EQUI 38	4580	The Permittee shall submit a notification of anticipated date for conducting opacity observations: Due 30 calendar days before Opacity Observation Date. [40 CFR 60.7(a)(6), Minn. R. 7019.0100, subp. 1]
EQUI 38	19985	Opacity: The Permittee shall conduct a performance test due 30 calendar days after start-up to measure opacity. The performance test shall be conducted at worst-case conditions as defined at Minn. R. 7017.2005, subp. 8 or at the operating conditions described at Minn. R. 7017.2025, subp. 2, using EPA Reference Method 9, or other method approved by MPCA in the performance test plan approval. [40 CFR 60.303(a), 40 CFR 60.303(b)(3), Minn. R. 7017.2020, subp. 1]
EQUI 53	3400	Opacity <= 10 percent opacity from truck loading stations fugitive emissions. [Minn. R. 7011.1005, subp. 3(B)]
EQUI 53	3401	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings for EQUI 53 at least once each day of operation while grain is being loaded out to truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
EQUI 53	3402	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the truck loadout is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is loaded out to truck during the operating day, then the Permittee shall record that no grain was loaded out. [Minn. R. 7007.0800, subps. 4-5]

SI Id	Sequence	Requirement
EQUI 53	3403	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed. Corrective actions include, but are not limited to, reducing the truck loading rate, closing the receiving pit door during loading operations, and postponing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type, and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 54	3400	Opacity <= 10 percent opacity from truck loading stations fugitive emissions. [Minn. R. 7011.1005, subp. 3(B)]
EQUI 54	3401	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings for EQUI 54 at least once each day of operation while grain is being loaded out to truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
EQUI 54	3402	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the truck loadout is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is loaded out to truck during the operating day, then the Permittee shall record that no grain was loaded out. [Minn. R. 7007.0800, subps. 4-5]
EQUI 54	3403	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed. Corrective actions include, but are not limited to, reducing the truck loading rate, closing the receiving pit door during loading operations, and postponing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type, and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 55	3400	Opacity <= 10 percent opacity from truck loading stations fugitive emissions. [Minn. R. 7011.1005, subp. 3(B)]
EQUI 55	3401	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings for EQUI 55 at least once each day of operation while grain is being loaded out to truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
EQUI 55	3402	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the truck loadout is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is loaded out to truck during the operating day, then the Permittee shall record that no grain was loaded out. [Minn. R. 7007.0800, subps. 4-5]
EQUI 55	3403	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed. Corrective actions include, but are not limited to, reducing the truck loading rate, closing the receiving pit door during loading operations, and postponing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type, and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 56	3400	Opacity <= 10 percent opacity from truck loading stations fugitive emissions. [Minn. R. 7011.1005, subp. 3(B)]

SI Id	Sequence	Requirement
EQUI 56	3401	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings for EQUI 56 at least once each day of operation while grain is being loaded out to truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
EQUI 56	3402	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the truck loadout is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is loaded out to truck during the operating day, then the Permittee shall record that no grain was loaded out. [Minn. R. 7007.0800, subps. 4-5]
EQUI 56	3403	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed. Corrective actions include, but are not limited to, reducing the truck loading rate, closing the receiving pit door during loading operations, and postponing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type, and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 57	3400	Opacity <= 10 percent opacity from truck loading stations fugitive emissions. [Minn. R. 7011.1005, subp. 3(B)]
EQUI 57	3401	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings for EQUI 57 at least once each day of operation while grain is being loaded out to truck. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]
EQUI 57	3402	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the truck loadout is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is loaded out to truck during the operating day, then the Permittee shall record that no grain was loaded out. [Minn. R. 7007.0800, subps. 4-5]
EQUI 57	3403	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed. Corrective actions include, but are not limited to, reducing the truck loading rate, closing the receiving pit door during loading operations, and postponing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type, and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
EQUI 58	3400	Opacity <= 10 percent opacity from railcar loading stations fugitive emissions. [Minn. R. 7011.1005, subp. 3(B)]
EQUI 58	3401	Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings for EQUI 58 at least once each day of operation while grain is being loaded out to rail. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-7, section 2.3 of Method 22. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]

SI Id	Sequence	Requirement
EQUI 58	3402	Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the truck loadout is considered a deviation and must be reported in the semiannual deviations report by this permit. If no grain is loaded out to truck during the operating day, then the Permittee shall record that no grain was loaded out. [Minn. R. 7007.0800, subps. 4-5]
EQUI 58	3403	Corrective Actions: The Permittee shall take corrective action as soon as possible if visible emissions are observed. Corrective actions include, but are not limited to, reducing the truck loading rate, closing the receiving pit door during loading operations, and postponing operations until no visible emissions are observed. Corrective actions shall return the affected facility operation to a condition where the facility does not exceed opacity limits. The Permittee shall keep a record of the type, and date of any corrective action taken, and whether or not the corrective actions eliminated the visible emissions. [Minn. R. 7007.0800, subps. 4-5]
FUGI 1	3280	The Permittee shall implement and enforce a facility-wide speed limit of 10 miles per hour. The Permittee must post the speed limit in a highly visible location near the facility entrance. [Minn. R. 7007.0800, subp. 2(A), Minn. R. 7011.0150]
FUGI 1	3300	Daily Inspection and Recordkeeping: On each day of operation, the Permittee shall visually inspect all paved surfaces to minimize or eliminate fugitive emissions. The facility shall maintain records of this inspection that include the date of the inspection, whether fugitive dust was observed, what corrective actions were taken, when the corrective actions were taken, and whether the corrective actions eliminated the fugitive dust. [Minn. R. 7007.0800, subp. 2(A), Minn. R. 7011.0150]
FUGI 1	3310	Anytime fugitive emissions are observed on facility roadways, the Permittee shall immediately eliminate fugitive emissions by sweeping those road segments and/or apply water or a chemical dust suppressant. [Minn. R. 7007.0800, subp. 2(A), Minn. R. 7011.0150]
FUGI 1	3360	The Permittee must unload, handle, clean, dry, and load commodities to minimize fugitive emissions to a level consistent with RACT. [Minn. R. 7011.1005, subp. 4]
FUGI 2	2910	Opacity <= 20 percent opacity. [Minn. R. 7011.0110]
FUGI 2	2911	1. The Permittee may file an application for a permit modification under Minn. R. ch. 7007, for adjustment of the opacity standard applicable to an emissions unit. In addition to the items required under Minn. R. ch. 7007, the application must contain data that demonstrates that: A. based on tests conducted under Minn. R. 7017. 1002 to 7017.2060, the emissions unit is in compliance with the applicable standard of performance for particulate matter and all other standard of performance, except the opacity standard; B. the stationary source is in compliance with all applicable standards of performance except the opacity standard at the emission unit for which adjustments are being sought or have already been permitted by the commissioner; and C. the stationary source was operated in a manner to minimize the opacity of emissions at the emissions unit during the performance tests conducted under item A. 2. If the data submitted under subpart 1 indicates that an adjustment of the opacity standard may cause or contribute to a violation of an ambient air quality standard, the Permittee shall conduct atmospheric dispersion modeling and include the results of the modeling in the application for a permit modification. [Minn. R. 7011.0120]
FUGI 2	2912	FUGI 2 shall remain completely covered during periods other than unloading or loading. [Minn. R. 7007.0800, subp. 2(A), Minn. R. 7007.0800, subp. 2(B)]
FUGI 2	2913	For temporary storage facility FUGI 2, the Permittee must comply with the following when storing grain: (i) FUGI 2 must have an asphalt, concrete, or comparable base material; (ii) FUGI 2 must has rigid, self-supporting sidewalls; (iii) The Permittee must provide adequate aeration during periods of grain storage; and (iv) The Permittee must provide an acceptable covering. [Minn. R. 7007.0800, subp. 2(A), Minn. Stat. 116.07, subd. 2c]

SI Id	Sequence	Requirement
FUGI 2	2914	<p>Visible Emissions (VE) Inspection: The Permittee shall conduct visible emissions (VE) readings for FUGI 2 at least once each day of operation while unloading and loading. The visible emissions check must be conducted from a location perpendicular to the plume and at least 15 feet away during daylight hours, and the observation period shall be no less than 10 minutes. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions must be recorded. The pile is considered active when it is not 100% covered. During times of operation, when the temporary storage facility pile is not active, the Permittee shall record that the temporary storage pile was not active. Each observer determining the presence of visible emissions must meet the training requirements specified in 40 CFR Part 60, appendix A-4, Method 9. [Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2(A)]</p>
FUGI 2	2915	<p>Recordkeeping of VE Inspection: The Permittee shall record the time and date of each visible emissions inspection, the name and location of the observer, whether or not any visible emissions were observed, and a description of the corrective actions taken if visible emissions were observed. The presence of visible emissions at the FUGI 2 when the temporary storage facility pile is active, is considered a deviation and must be reported in the semiannual deviations report by this permit. If the temporary storage facility pile is not active, the Permittee shall record that the pile was not active. [Minn. R. 7007.0800, subps. 4-5]</p>