

TECHNICAL SUPPORT DOCUMENT
For
DRAFT/PROPOSED AIR EMISSION PERMIT NO. 07300002-003

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

1. General Information

1.1 Applicant and Stationary Source Location:

Table 1. Applicant and Source Address

Applicant/Address	Stationary Source/Address (SIC Code: 2075)
Ag Processing Inc. 12700 West Dodge Road Omaha, NE 68103	Ag Processing Inc. - Dawson 800 Diagonal St Dawson Lac Qui Parle County
Contact: Shane Myer Phone: (320) 769-4386	Consultant: Lori Bartels Phone: (651) 395-5223

1.2 Facility Description

Ag Processing Inc. owns and operates a soybean processing plant at 800 Diagonal Street, Dawson, Lac Qui Parle County, Minnesota. The stationary sources consists of emission units related to soybean receiving, soybean processing, solvent extraction/recovery, meal processing, steam production, and storage of Volatile Organic Compound (VOC) containing materials. The facility receives raw soybeans and processes them, extracting crude soybean oil from the beans. The crude oil extracted is shipped off-site, to be refined into various products. The by-products of the oil are soy meal and hulls, which are sold for animal feed.

The main sources of emissions from the stationary source are Particulate Matter (PM), Particulate Matter less than 10 microns in size (PM₁₀), VOC and Hazardous Air Pollutants (HAPs). PM/PM₁₀ emissions are emitted from the handling and processing of the beans and hulls/meal. Hexane emissions are emitted from the extraction and recovery system. The facility is a major source under federal New Source Review (NSR), federal Operating Program (40 CFR pt. 70) and National Emission Standards for Hazardous Air Pollutants (NESHAPs, 40 CFR pt. 63).

1.3 Description of the Activities Allowed by this Permit Action

This permit action incorporates a major amendment received on August 27, 2012. This major amendment is for the addition of an amino meal system that will allow further processing of a portion of the soybean meal already produced at the facility. The amino meal processing equipment includes seven new emission points; a dryer (EU 704; SV 060), a cooler (EU 705; SV 061), a cooker (EU 706; SV 062), a meal day bin (EU 707; SV 063), a hulls day bin (EU 708; SV 064), an amino start up bin (EU 709; SV 065), and an amino meal storage bin (EU 710; SV 066). An additional existing storage bin will also be used in this process. Particulate emissions from the dryer will be controlled by a venture scrubber (CE 614). The processing rate of the facility is not affected by this project.

Also included in this permit action is an administrative amendment that was received on June 14, 2011. This amendment addresses changes made to the bin filling conveyance systems (EUs 712-717) at the facility, the installation of a new wet bean storage bin (EU 711), elimination of requirements associated with the removal of an existing stack, including an existing fabric filter (CE 108; SV 011), an increase in airflow to the meal handling baghouse (CE603; SV 036), and incorporation of applicable requirements associated with an emergency fire pump engine (EU 718).

In addition, the permit action includes a reopening to include the requirements of National Emission Standards for Hazardous Air Pollutants, 40 CFR pt. 63, subp. DDDDD. Once the Permittee decides on compliance options, the Permittee will develop a plan to comply with this rule. Regardless, the specific rule requirements will be included through a future permit action. Compliance date for this standard is January 31, 2016.

1.4 Facility Emissions:

Table 2a. Title I Emissions Increase Summary (Amino Meal Process Major Amendment)

Pollutant	Emissions Increase from the Modification (tpy)	Limited Emissions Increase from the Modification (tpy)	NSR/112(g) Significant Thresholds for major sources (tpy)	NSR/ 112(g) Review Required? (Yes/No)
PM	7.1	7.1	25	No
PM ₁₀	6.5	6.5	15	No
PM _{2.5}	3.4	3.4	10	No
NO _x	9.27	9.27	40	No
SO ₂	0.06	0.06	40	No
CO	7.78	7.78	100	No
Ozone (VOC)	0.51	0.51	40	No
Lead	4.63x10 ⁻⁵	4.63x10 ⁻⁵	0.6	No
CO ₂ e*	0	0	75,000	No

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

Table 2b. Title I Emissions Increase Summary (Bin Filling Conveyance Administrative Amendment)

Pollutant	Emissions Increase from the Modification (tpy)	Limited Emissions Increase from the Modification (tpy)	NSR/112(g) Significant Thresholds for major sources (tpy)	NSR/ 112(g) Review Required? (Yes/No)
PM	1.95	1.95	25	No
PM ₁₀	1.20	1.20	15	No
PM _{2.5}	1.20	1.20	10	No
NO _x	0	0	40	No
SO ₂	0	0	40	No
CO	0	0	100	No
Ozone (VOC)	0	0	40	No
Lead	0	0	0.6	No
CO ₂ e*	0	0	75,000	No

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

1.5 Changes to Permit

The MPCA has a combined operating and construction permitting program under Minnesota Rules Chapter 7007, and under Minn. R. 7007.0800, the MPCA has authority to include additional requirements in a permit. Under that authority, the following changes to the permit are also made through this permit action:

- Citations for SVs 001-007, 012, 016-017, 019-024, 030, 036-039, 059, and GP 003 that cited Minn. R. 7011.0715 as the basis for the PM and PM₁₀ emission limits were changed to cite Minn. R. 7011.0800, subp. 2. Minn. R. 7011.0715 was removed as the citation for those units for the following reasons:
 - Minn. R. 7011.0715 would not lead to as stringent a limit for PM;
 - Minn. R. 7011.0715 does not include limits for PM₁₀; and
 - Minn. R. 7011.0715 applies to units for which a standard of performance has not been promulgated in a specific rule. The units (minus SV 012 and SVs 022-024) are subject to Minn. R. 7011.1005 Standards of Performance for Dry Bulk Agricultural Commodity Facilities.
- The performance test frequency for SVs 007, 016-018, 020, 027, 030, 055 and GP 003 (SV 029 and SV 031) were updated to reflect the submitted testing frequency plans.
- Performance test requirements included in GP 003 were split and located at the individual SV level (SV 029 and SV 031) instead of at GP 003.

Table 3. Total Facility Potential to Emit (PTE) Summary

	PM tpy	PM ₁₀ tpy	PM _{2.5} tpy	SO ₂ tpy	NO _x tpy	CO tpy	CO ₂ e tpy	VOC tpy	Single HAP tpy	All HAPs tpy
Total Facility Limited Potential Emissions	195.28	93.58	4.03	43.44	60.68	33.85	59,737	424.66	270.25	270.25
Total Facility Actual Emissions (2012)	69.98	53.02	**	0.13	22.20	18.65	*	196.29	*	

* Not reported in MN emission inventory.

** Not available in most recent emissions inventory

Table 4. Facility Classification

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

2. Regulatory and/or Statutory Basis

New Source Review (NSR)

The facility is an existing major source under New Source Review regulations. Changes authorized by this permit action result in emissions increases less than the major modification thresholds for NSR (40 CFR § 52.21(b)(23)) as seen in Table 2a and Table 2b. Therefore, as defined by the federal rules, the changes authorized by this permit action are not considered major modifications for NSR. In order to be considered a major source of Greenhouse Gases (GHGs) under the Title V operating permit program and NSR, a source must have a potential to emit exceeding 100,000 tons per year of CO₂e. If a source's emissions of CO₂e do not exceed this value, then, as of the date of this permit, there are no additional GHG-related permitting requirements beyond this calculation. As demonstrated by the attached calculations, the potential to emit of GHGs from this Facility is less than 100,000 tons per year of CO₂e.

Part 70 Permit Program

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

New Source Performance Standards (NSPS)

Soybean oil extraction facilities are subject to 40 CFR pt. 60, subp. DD Standards of Performance for Grain Elevators if the source was constructed after August 3, 1978. Since the facility had 1,973,000 bushels of permanent storage, which was constructed prior to August 3, 1978; NSPS Subpart DD does not apply. The new emission units that were added as part of the administrative amendment, which became new affected facilities, are subject to the requirements of 40 CFR pt. 60, subp. DD.

The 422 horse power (hp) diesel emergency fire pump engine (EU 718) is a model year 2009 stationary compression ignition internal combustion engine that was manufactured as a certified National Fire Pump Association (NFPA) engine after July 1, 2006, and commenced construction after July 11, 2005. Therefore, 40 CFR pt. 60, subp. IIII Standards of Performance for Stationary Compression Ignition Internal combustion Engines applies to this engine.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

The facility is a major source of HAPs and processes soybean oil, and is subject to 40 CFR pt. 63, subp. GGGG, NESHAP Solvent Extraction for Vegetable Oil Production.

The facility is a major source of HAPs and is subject to the requirements of 40 CFR pt. 63, subp. ZZZZ, NESHAP Stationary Reciprocating Internal Combustion Engines. Specifically these requirements apply to the Emergency Fire Pump Engine (EU 718). This engine is a new affected, compression ignition reciprocating internal combustion engine (CI RICE) that must meet the requirements of 40 CFR pt. 60, subp. IIII to comply with 40 CFR pt. 63, subp. ZZZZ.

The facility is a major source of HAPs under 40 CFR pt. 63 and is subject to the requirements of Subpart DDDDD as promulgated and/or amended. At the time of permit issuance, the effective dates of that rule have been delayed by EPA (Federal Register Volume 76, No. 96, Page 28662. May 18, 2011), and the reconsidered rule proposed in the Federal Register on December 23, 2011. On January 9, 2012, the courts vacated EPA's delay of the rule, and ordered that the rule is effective as promulgated. As of January 31, 2013, the EPA posted the final rule in the Federal Register. For that reason, the details of the rule were not included in the permit. By the compliance date listed in the final rule as promulgated and amended, the Permittee must be in compliance with the rule. Once the Permittee decides on compliance options, the Permittee shall submit an amendment to incorporate the applicable requirements into the permit. Compliance date for this standard is January 31, 2016.

Environmental Review & AERA

The facility is not subject to environmental review, i.e. an Environmental Assessment Worksheet (EAW), and is not required to perform an Air Emissions Risk Analysis (AERA).

Minnesota State Rules

Portions of the facility are subject to the following Minnesota Standards of Performance:

- Minn. R. 7011.0060 to 7011.0080 Standards of Performance for Control Technology
- Minn. R. 7011.0510 Standards of Performance for Existing Indirect Heating Equipment
- Minn. R. 7011.0515 Standards of Performance for New Indirect Heating Equipment
- Minn. R. 7011.0610 Standards of Performance for Fossil-Fuel-Burning Direct Heating Equipment
- Minn. R. 7011.0715 Standards of Performance for Post-1969 Industrial Process Equipment
- Minn. R. 7011.1005 Standards of Performance for Dry Bulk agricultural commodity Facilities

- Minn. R. 7011.2300 Standards of Performance for Stationary Internal Combustion Engines
- Minn. R. 7011.2305 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
- Minn. R. 7011.7840 Solvent Extraction for Vegetable Oil Production
- Minn. R. 7011.8150 Stationary Reciprocating Internal Combustion Engines

Table 5. Regulatory Overview of Units Affected by the Modification/Permit Amendment

Level*	Applicable Regulations	Comments:
EU 702 (Boiler #2)	<p>Minn. R. 7011.0510</p> <p>Title I limit to avoid NSR/PSD</p> <p>40 CFR pt. 63, subp. DDDDD</p>	<p>Standards of Performance for Existing Indirect Heating Equipment. Limits set for opacity, SO₂, and PM.</p> <p>Limits to avoid classification as a major modification under 40 CFR § 52.21 and Minn. R. 7007.3000. Fuel restricted to burn natural gas only.</p> <p>National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. Placeholder language was included in this permit action until the Permittee decides on compliance options. Compliance date for this standard is January 31, 2016.</p>
EU 703 (Boiler #3)	<p>Minn. R. 7011.0510</p> <p>Title I limit to avoid NSR/PSD</p> <p>40 CFR pt. 63, subp. DDDDD</p>	<p>Standards of Performance for Existing Indirect Heating Equipment. Limits set for opacity, SO₂, and PM.</p> <p>Limits to avoid classification as a major modification under 40 CFR § 52.21 and Minn. R. 7007.3000. Fuel restricted to burn natural gas and residual oil only. Limit also placed on sulfur content of fuel oil.</p> <p>National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters. Placeholder language was included in this permit action until the Permittee decides on compliance options. Compliance date for this standard is January 31, 2016.</p>
EU 704 (Amino Dryer)	Minn. R. 7011.0715	Standards of Performance for Post 1969 Industrial Process Equipment. Limits set for opacity and PM.
EU 705 (Amino Cooler)	Minn. R. 7011.0715	Standards of Performance for Post 1969 Industrial Process Equipment. Limits set for opacity and PM.
EU 706 (Amino Cooker)	Minn. R. 7011.0715	Standards of Performance for Post 1969 Industrial Process Equipment. Limits set for opacity and PM.
EU 707 (Meal Day Bin)	Minn. R. 7011.0715	Standards of Performance for Post 1969 Industrial Process Equipment. Limits set for opacity and PM.

Level*	Applicable Regulations	Comments:
EU 708 (Hulls Day Bin)	Minn. R. 7011.0715	Standards of Performance for Post 1969 Industrial Process Equipment. Limits set for opacity and PM.
EU 709 (Amino Start up Bin)	Minn. R. 7011.0715	Standards of Performance for Post 1969 Industrial Process Equipment. Limits set for opacity and PM.
EU 710 (Amino Meal Storage Bin)	Minn. R. 7011.0715	Standards of Performance for Post 1969 Industrial Process Equipment. Limits set for opacity and PM.
EU 718 (Fire Pump Engine)	<p>Minn. R. 7011.2300, subps. 1 and 2</p> <p>Minn. R. 7007.0800, subp. 35a</p> <p>Minn. R. 7007.0800, subp. 2</p> <p>40 CFR pt. 63, subp. ZZZZ</p> <p>40 CFR pt. 60, subp. IIII</p>	<p>Standards of Performance for Stationary Internal Combustion Engines. Limits on opacity and sulfur dioxide (SO₂).</p> <p>Fuel Usage: Diesel fuel oil only.</p> <p>Sulfur content of fuel limited to 0.5 percent by weight.</p> <p>National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.</p> <p>Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. Limits set for NO_x + NMHC, CO, PM, and sulfur content of fuel.</p>
SV 004 (Bean Handling) (EUs 115, 117, 119, 121, and 715 - 717)	<p>Minn. R. 7007.0800, subp. 2</p> <p>Minn. R. 7011.1005</p> <p>40 CFR pt. 60, subp. DD</p>	<p>Emission limits set for PM and PM₁₀. Previously, these limits cited Minn. R. 7011.0715 (Standards of Performance for Post-1969 Industrial Process Equipment) as the reason for these limits. This was incorrect and was changed in this permit action. Minn. R. 7007.0800, subp. 2 is a generic citation for emission limitations and standards.</p> <p>Standards of Performance for Dry Bulk Agricultural commodity Facilities. Limits set on overall control efficiency for PM and PM₁₀ as well as pressure drop across the fabric filter.</p> <p>Standards of Performance for Grain Elevators. Limits set on PM and opacity.</p>
SV 036 (Meal Handling) (EUs 601, 603, 607, 609, 611, and 613)	Minn. R. 7007.0800, subp. 2	Emission limits set for PM and PM ₁₀ . Previously, these limits cited Minn. R. 7011.0715 (Standards of Performance for Post-1969 Industrial Process Equipment) as the reason for these limits. This was incorrect and was changed in this permit action. Minn. R. 7007.0800, subp. 2 is a generic citation for emission limitations and standards.

Level*	Applicable Regulations	Comments:
	Minn. R. 7011.1005	Standards of Performance for Dry Bulk Agricultural commodity Facilities. Limits set on overall control efficiency for PM and PM ₁₀ as well as pressure drop across the fabric filter.
SV 059 (TZ-1587 SV) (EUs 711 - 714)	Minn. R. 7007.0800, subp. 2 Minn. R. 7011.1005 40 CFR pt. 60, subp. DD	Emission limits set for PM and PM ₁₀ . Previously, these limits cited Minn. R. 7011.0715 (Standards of Performance for Post-1969 Industrial Process Equipment) as the reason for these limits. This was incorrect and was changed in this permit action. Minn. R. 7007.0800, subp. 2 is a generic citation for emission limitations and standards. Standards of Performance for Dry Bulk Agricultural commodity Facilities. Limits set on overall control efficiency for PM and PM ₁₀ as well as pressure drop across the fabric filter. Standards of Performance for Grain Elevators. Limits set on PM and opacity.
CE 613 (Venturi Scrubber)	Title I limit to avoid NSR/PSD	Limits set on PM, PM _{2.5} , and PM ₁₀ control efficiency to avoid classification as a major modification under 40 CFR § 52.21 and Minn. R. 7007.3000.

*Where the requirement appears in the permit (EU = emission unit, SV = stack/vent, GP = group, TF = total facility, CE = control equipment).

3. Technical Information

Total Facility

Process

Ag Processing Inc. owns and operates a soybean processing facility. Activities conducted at the facility include soybean receiving, soybean processing, solvent extraction/recovery, meal processing, steam production, and storage of VOC containing materials. The facility receives raw soybeans and processes them, extracting crude soybean oil from the beans. The crude oil extracted is shipped off-site, to be refined into various products. The by-products of the oil are soy meal and hulls, which are sold for animal feed.

Greenhouse Gases

As of January 2, 2011, the U.S. EPA began regulating Greenhouse Gases (GHGs) in terms of carbon dioxide equivalents, or CO₂e. As implied by the name, the pollutant Greenhouse Gases is not a single chemical, but a combination of many chemicals. Some chemicals have a larger effect on the environment than others; to reflect this, each of these chemicals has been assigned a certain weighting factor called a global warming potential (GWP). These global warming potentials are defined by the U.S. EPA at 40 CFR pt. 98, Appendix A, Table 1. A source's emissions of GHGs are quantified in two steps:

first, the potential emissions of each of the chemicals in 40 CFR pt. 98, Appendix A, Table 1 are determined on a mass basis (the traditional method of calculating potential to emit); second, the result of each calculation in step 1 is multiplied by the pollutant's GWP and the products are summed to arrive at a single numeric value in the units of CO₂e. In order to be considered a major source of GHGs under the Title V operating permit program, a source must have a potential to emit exceeding 100,000 tons per year of CO₂e. If a source's emissions of CO₂e do not exceed this value, then, as of the date of this permit, there are no additional GHG-related permitting requirements beyond this calculation. As demonstrated by the attached calculations, the potential to emit of GHGs from this Facility is less than 100,000 tons per year of CO₂e.

EU 702 and EU 703: Boiler #2 and Boiler #3

NESHAP Subpart DDDDD

Both boilers are subject to the requirements of 40 CFR pt. 63, subp. DDDDD. Placeholder language was included in this permit action until the Permittee decides on compliance options. Regardless of when the decision is made, the compliance date for this standard is January 31, 2016 and the Permittee must show compliance with this standard at that time.

EUs 704 - 710: Amino Meal Process

Process

The meal and hull bins serve as storage to allow for a continuous delivery to the amino process. The amino start up bin feeds meal and hulls to the amino meal storage bins. The amino cooker receives the meal and hull mixture where it is sprayed (quenched) with water to raise the moisture from 12% to greater than 22%. As the meal and hull mixture is heated in the cooker, water vapor is released through a vent. The cooked mixture is then fed to the amino dryer via screw conveyor. The dryer removes moisture from the amino mixture. The moisture is released from the dryer through a settling chamber before being released to the atmosphere. The settling chamber's primary purpose is to collect additional material that becomes entrained in the vapor leaving the dryer and return it to the dryer for further processing. Amino meal is conveyed from the dryer to the cooler where it is cooled by passing air through it. A product recovery cyclone then removes product from the air stream before being vented to a venture scrubber to control particulate emissions. The exhaust flow is then vented to the atmosphere after passing through the scrubber. The cooled amino meal is then conveyed to the two amino meal storage bins. All bins are equipped with vent filters that function as process equipment since their purpose is to prevent product loss.

Industrial Process Equipment Rule

Each emission unit in this process is subject to the Minnesota Standards of Performance for Post-1969 Industrial Process Equipment as each unit is not regulated by either a State or a Federal performance standard. Each EU is subject to a PM and opacity limit and meets these requirements through the potential to emit (PTE) of each individual unit.

EU 718: Emergency Fire Pump Engine

This engine is a 422hp CI RICE. Hours of operation are limited for this unit to less than or equal to 500 hours/year to maintain that it qualifies as an emergency generator under the U.S. EPA memorandum entitled "Calculating Potential to Emit (PTE) for Emergency Generators", dated September 6, 1995. This unit qualifies as an insignificant activity based on its potential to emit. However, it is included in the permit as an emission unit, instead of in Appendix A, because of the applicable requirements that apply to this unit.

NESHAP Subpart ZZZZ

This emission unit is a new affected source as defined under 40 CFR pt. 63, subp. ZZZZ, and the facility is a major source of HAPs as defined at 40 CFR § 63.2. This emission unit complies with the requirements of 40 CFR pt. 63, subp. ZZZZ by meeting the requirements of 40 CFR pt. 60, subp. IIII. No further requirements of 40 CFR pt. 63, subp. ZZZZ apply to EU 718.

NSPS Subpart IIII

This emission unit is an affected source under 40 CFR pt. 60, subp. IIII. The Permittee must maintain emissions standards of Total Particulate Matter less than or equal to 0.15 grams/horsepower-hour, Nitrogen Oxides + Hydrocarbons less than or equal to 3.0 grams/horsepower-hour and Carbon Monoxide less than or equal to 2.6 grams/horsepower-hour. However, performance testing is not required as the purchased engine was certified to the emission standards in 40 CFR § 60.4205(c) for the same model year and NFPA nameplate engine power.

SV 004: Bean Handling (EUs 115, 117, 119, 121, and 715 - 717)

As part of the administrative amendment included in this permit action, one drag conveyor was replaced and two new drag conveyors were installed. All feed to the existing SV 004. The overall objective was to increase operational flexibility when filling and emptying storage bins and to increase the amount of on-site storage of soybeans.

NSPS Subpart DD

Prior to the modification, the facility had 1,973,000 bushels of permanent storage, all constructed prior to the effective date of 40 CFR pt. 60, subp. DD (August 3, 1978). The installation of these new conveyors did not trigger a NSPS modification, but are subject to the requirements of 40 CFR pt. 60, subp. DD.

SV 036: Meal Handling (EUs 601, 603, 607, 609, 611, and 613)

As part of the administrative amendment included in this permit action, the airflow rate to this stack/vent was increased. An emissions increase was associated with this increased airflow and is represented in Table 2b.

SV 059: TZ-1587 Stack/Vent (EUs 711 - 714)

As part of the administrative amendment included in this permit action, one storage bin, one belt conveyor, and two new drag conveyors were installed. All feed to the new SV 059. The overall objective was to increase operational flexibility when filling and emptying storage bins and to increase the amount of on-site storage of soybeans. The fabric filter associated with this stack is considered to be industrial process equipment as it is integral to the process for product recovery.

NSPS Subpart DD

Prior to the modification, the facility had 1,973,000 bushels of permanent storage, all constructed prior to the effective date of 40 CFR pt. 60, subp. DD (August 3, 1978). The installation of this storage bin and new conveyors did not trigger a NSPS modification, but are subject to the requirements of 40 CFR pt. 60, subp. DD.

CE 613: Venturi Scrubber

Particulate Control Efficiency

This piece of control equipment is used to control PM, PM_{2.5}, and PM₁₀ emissions from EU 705 (Amino Cooler). Emissions from this unit are limited by the scrubber to below major modification thresholds of NSR/PSD.

3.1 Calculations of Potential to Emit and Emissions Increase Analysis

Attachment 1 to this TSD contains detailed spreadsheets, which summarizes the PTE of the Facility, and supporting information prepared by the MPCA and the Permittee. Attachment 1 also contains emissions increase calculations for this modification. Tables 2 and 3 demonstrate that these modifications are not major modifications for PSD.

3.3 Periodic Monitoring

In accordance with the Clean Air Act, it is the responsibility of the owner or operator of a facility to have sufficient knowledge of the facility to certify that the facility is in compliance with all applicable requirements. In evaluating the monitoring included in the permit, the MPCA considered the following:

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

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

Table 6. Periodic Monitoring

Level*	Requirement (rule basis)	Additional Monitoring	Discussion
EU 702 (Boiler #2)	Fuel limited to natural gas only (limit to avoid NSR)	Recordkeeping: Monthly fuel usage records	Fuel usage records are adequate for periodic monitoring.
	40 CFR pt. 63, subp. DDDDD	None	Monitoring from 40 CFR pt. 63, subp. DDDDD is adequate to have a reasonable assurance of compliance.
	PM: ≤ 0.60 lb/MMBtu; SO ₂ : ≤ 2.0 lb/MMBtu Opacity: ≤ 20 % with exceptions (Minn. R. 7011.0510; Minn. R. 701.0545)	Recordkeeping: Monthly Fuel records	This unit uses natural gas; therefore, the likelihood of violating either of the emission limits is very small. The Permittee can demonstrate that these units will continue to operate such that emissions are well below the emission limits by only burning natural gas. Since this is a permit condition, the semi-annual deviations report will document any deviations from this condition. Design based PTE for this unit, using AP-42, is 0.0040 compared to the rule limit of 0.60 lb PM/MMBtu and 0.0006 compared to the rule limit of 2.0 lb SO ₂ /MMBtu.
EU 703 (Boiler #3)	Fuel limited to natural gas and residual oil with sulfur content $\leq 1.0\%$ by weight (limit to avoid NSR)	Recordkeeping: Monthly fuel usage and certification records	Fuel usage and certification records are adequate for periodic monitoring.
	40 CFR pt. 63, subp. DDDDD	None	Monitoring from 40 CFR pt. 63, subp. DDDDD is adequate to have a reasonable assurance of compliance.

Level*	Requirement (rule basis)	Additional Monitoring	Discussion
	PM: ≤ 0.60 lb/MMBtu; SO ₂ : ≤ 2.0 lb/MMBtu Opacity: ≤ 20 % with exceptions (Minn. R. 7011.0510; Minn. R. 701.0545)	Recordkeeping: Monthly fuel records and certification, daily visible emissions monitoring when combusting fuel oil	This unit uses natural gas and residual oil. Since this is a permit condition, the semi- annual deviations report will document any deviations from this condition. Design based PTE for this unit, using AP-42, is 0.0040 compared to the rule limit of 0.60 lb PM/MMBtu and 0.11 compared to the rule limit of 2.0 lb SO ₂ /MMBtu.
EU 704 (Amino Dryer)	PM: ≤ 0.30 gr/dscf, variable with airflow Opacity: ≤ 20 % (Minn. R. 7011.0715)	None	This emission unit emits PM at a concentration of 0.020 gr/dscf. This concentration is well below the required limit and the likelihood of violating either emission limit is very small.
EU 705 (Amino Cooler)	PM: ≤ 0.30 gr/dscf, variable with airflow Opacity: ≤ 20 % (Minn. R. 7011.0715)	None	This emission unit emits PM at a concentration of 0.0023gr/dscf. This concentration is well below the required limit and the likelihood of violating either emission limit is very small.
EU 706 (Amino Cooker)	PM: ≤ 0.30 gr/dscf, variable with airflow Opacity: ≤ 20 % (Minn. R. 7011.0715)	None	This emission unit emits PM at a concentration of 0.0099 gr/dscf. This concentration is well below the required limit and the likelihood of violating either emission limit is very small.
EU 707 (Meal Day Bin)	PM: ≤ 0.30 gr/dscf, variable with airflow Opacity: ≤ 20 % (Minn. R. 7011.0715)	None	This emission unit emits PM at a concentration of 0.0051 gr/dscf. This concentration is well below the required limit and the likelihood of violating either emission limit is very small.
EU 708 (Hulls Day Bin)	PM: ≤ 0.30 gr/dscf, variable with airflow Opacity: ≤ 20 % (Minn. R. 7011.0715)	None	This emission unit emits PM at a concentration of 0.0059 gr/dscf. This concentration is well below the required limit and the likelihood of violating either emission limit is very small.
EU 709 (Amino Start up Bin)	PM: ≤ 0.30 gr/dscf, variable with airflow Opacity: ≤ 20 % (Minn. R. 7011.0715)	None	This emission unit emits PM at a concentration of 0.0051 gr/dscf. This concentration is well below the required limit and the likelihood of violating either emission limit is very small.
EU 710 (Amino Meal Storage Bin)	PM: ≤ 0.30 gr/dscf, variable with airflow Opacity: ≤ 20 % (Minn. R. 7011.0715)	None	This emission unit emits PM at a concentration of 0.0054gr/dscf. This concentration is well below the required limit and the likelihood of violating either emission limit is very small.

Level*	Requirement (rule basis)	Additional Monitoring	Discussion
EU 718 (Fire Pump Engine)	$\text{NO}_x + \text{NMHC} \leq 3.0$ grams/hp-hr $\text{CO} \leq 2.6$ grams/hp-hr $\text{PM} \leq 0.15$ grams/hp-hr (NSPS Limits)	None	Monitoring from the 40 CFR pt. 60, subp. IIII is assumed to be adequate. Additionally, no performance testing is required as the purchased engine was certified to the emission standards in 40 CFR § 60.4205(c) for the same model year and NFPA nameplate engine power.
	Sulfur content of Fuel ≤ 15 ppm and either a minimum cetane index of 40 or a maximum aromatic content of 35% by volume (NSPS Limit)	Recordkeeping: Fuel purchase records and certification.	Fuel purchase and certification records are adequate for periodic monitoring.
	Fuel limited to diesel fuel oil with sulfur content of $\leq 0.50\%$ by weight (Minn. R. 7007.0800, subp. 2)	Recordkeeping: Monthly fuel usage records, fuel purchase records and certification.	Diesel fuel oil is oil that meets ASTM D396-78. The ASTM definition requires sulfur $< 0.50\%$; therefore, the likelihood of the violating this limit is very small. Additionally, the above limit ensures that this requirement is being met. Fuel purchase and certification records are adequate for periodic monitoring.
	Opacity $\leq 20\%$ $\text{SO}_2 < 0.50$ lb/MMBtu (Minn. R. 7011.2300)	See fuel limit above for monitoring for SO_2	Since this is a permit condition, the semi-annual deviations report will document any deviations from this condition. Design based PTE for this unit, using AP-42, is 0.27 compared to the rule limit of 0.50 lb/MMBtu.
	40 CFR pt. 60, subp. IIII	None	Monitoring from 40 CFR pt. 60, subp. IIII is adequate to have a reasonable assurance of compliance.
	40 CFR pt. 63, subp. ZZZZ	None	Monitoring from 40 CFR pt. 63, subp. ZZZZ is adequate to have a reasonable assurance of compliance.
SV 004 (Bean Handling) (EUs 115, 117, 119, 121, and 715 - 717)	$\text{PM} \leq 0.0040$ gr/dscf $\text{PM}_{10} \leq 0.0020$ gr/dscf (Minn. R. 7007.0800, subp. 2)	None	These units are controlled by bagfilters which are considered to be constant outlet devices. The likelihood of violating these emission limits is very small as long as the bagfilters are properly maintained; therefore no additional monitoring is required.

Level*	Requirement (rule basis)	Additional Monitoring	Discussion
	PM: ≤ 0.010 gr/dscf Opacity $\leq 0\%$ (NSPS Limits)	None	These units are controlled by bagfilters which are considered to be constant outlet devices. The likelihood of violating these emission limits is very small as long as the bagfilters are properly maintained; therefore no additional monitoring is required.
	PM/PM ₁₀ control efficiency of 93/92% (Minn. R. 7011.1005, subp. 3)	Recordkeeping: O&M, inspections for fabric filters	Monitoring from Minn. R. 7011.1005 is adequate to have a reasonable assurance of compliance.
	40 CFR pt. 60, subp. DD	None	Monitoring from 40 CFR pt. 60, subp. DD is assumed to be adequate.
SV 036 (Meal Handling) (EUs 601, 603, 607, 609, 611, and 613)	PM: ≤ 0.0040 gr/dscf PM ₁₀ : ≤ 0.0020 gr/dscf Opacity $\leq 20\%$ (Minn. R. 7007.0800, subp. 2)	None	These units are controlled by bagfilters which are considered to be constant outlet devices. The likelihood of violating these emission limits is very small as long as the bagfilters are properly maintained; therefore no additional monitoring is required.
	PM/PM ₁₀ control efficiency of 99/96% (Minn. R. 7011.1005, subp. 3)	Recordkeeping: O&M inspections for fabric filters	Monitoring from Minn. R. 7011.1005 is adequate to have a reasonable assurance of compliance.
SV 059 (TZ-1587 SV) (EUs 711 - 714)	PM: ≤ 0.0040 gr/dscf PM ₁₀ : ≤ 0.0020 gr/dscf (Minn. R. 7007.0800, subp. 2)	None	These units are controlled by bagfilters which are considered to be constant outlet devices. The likelihood of violating these emission limits is very small as long as the bagfilters are properly maintained; therefore no additional monitoring is required.
	PM: ≤ 0.010 gr/dscf Opacity $\leq 0\%$ (NSPS Limits)	None	These units are controlled by bagfilters which are considered to be constant outlet devices. The likelihood of violating these emission limits is very small as long as the bagfilters are properly maintained; therefore no additional monitoring is required.
	PM/PM ₁₀ control efficiency of 93/92% (Minn. R. 7011.1005, subp. 3)	Recordkeeping: O&M inspections for fabric filters	Monitoring from Minn. R. 7011.1005 is adequate to have a reasonable assurance of compliance.
	40 CFR pt. 60, subp. DD	None	Monitoring from 40 CFR pt. 60, subp. DD is assumed to be adequate.

Level*	Requirement (rule basis)	Additional Monitoring	Discussion
CE 613 (Venturi Scrubber)	PM/PM ₁₀ /PM _{2.5} control efficiency of 95%/93%/92% (limit to avoid NSR)	Recordkeeping: Daily and O&M inspections, pressure drop, water flow rate	Daily inspections and recordkeeping of pressure drop and water flow rate through the scrubber is adequate to have a reasonable assurance of compliance.

*Where the requirement appears in the permit (EU = emission unit, SV = stack/vent, GP = group, TF = total facility, CE = control equipment).

3.4 Insignificant Activities

Ag Processing Inc. - Dawson has several operations which are classified as insignificant activities under the MPCA's permitting rules. These are listed in Appendix A to the permit. The permit is required to include periodic monitoring for all emissions units, including insignificant activities, per EPA guidance. The insignificant activities at this Facility are only subject to general applicable requirements. Using the criteria outlined earlier in this TSD, the following table documents the justification why no additional periodic monitoring is necessary for the current insignificant activities.

Table 7. Insignificant Activities

Insignificant Activity	General Applicable Emission limit	Discussion
Fuel use: space heaters fueled by, kerosene, natural gas, or propane, less than 420,000 Btu/hr <i>North Shop Space Heaters</i>	PM \leq 0.60 or 0.40 lb/MMBtu, depending on year constructed Opacity \leq 20% with exceptions (Minn. R. 7011.0510/0515)	For these units, based on the fuels used and EPA published emissions factors, it is highly unlikely that they could violate the applicable requirement. In addition, these types of units are typically operated and vented inside a building, so testing for PM or opacity is not feasible.
Emissions from a laboratory, as defined in Minn. R. 7007.1300, subp. 3(G) <i>Quality Control Lab</i>	PM, variable depending on airflow Opacity \leq 20% (Minn. R. 7011.0710/0715)	These are very small, intermittent, bench-top operations that typically do not even have any emissions. It is highly unlikely that they could violate the applicable requirement.

Insignificant Activity	General Applicable Emission limit	Discussion
Non-hazardous air pollutant VOC storage tanks with a combined total tankage capacity of not more than 10,000 gallons of non-hazardous air pollutant VOCs and with a vapor pressure of not more than 1.0 psia at 60 degrees Fahrenheit. <i>Diesel Fuel Tanks</i>	No applicable limit. (Minn. R. 7011.1505)	There are no standards of performance in this part for storage vessels with a storage capacity of 2,000 gallons or less.
Brazing, soldering or welding equipment <i>Arc Welders, Plasma Cutter, and Gas Torches/Welders</i>	PM, variable depending on airflow Opacity \leq 20% (Minn. R. 7011.0710/715)	For these units, based on EPA published emissions factors, it is highly unlikely that they could violate the applicable requirement. In addition, these units are typically operated and vented inside a building, so testing for PM or opacity is not feasible.

3.5 Permit Organization

In general, the permit meets the MPCA Delta Guidance for ordering and grouping of requirements. One area where this permit deviates slightly from Delta guidance is in the use of appendices. While appendices are fully enforceable parts of the permit, in general, any requirement that the MPCA thinks should be electronically tracked (e.g., limits, submittals, etc.), should be in Table A or B of the permit. The main reason is that the appendices are word processing sections and are not part of the electronic tracking system. Violation of the appendices can be enforced, but the computer system will not automatically generate the necessary enforcement notices or documents. Staff must generate these.

Appendix A contains a listing of the Facility's insignificant activities and their applicable requirements. One deviation from this norm is the Emergency Fire Pump Engine (EU 718). This unit qualifies as an insignificant activity based on its potential to emit. However, it is included in the permit as an emission unit, instead of in Appendix A, because of the applicable requirements that apply to this unit.

GP 002 is additionally used for the purpose of reporting GHG emissions from the combustion of diesel fuel and natural gas. It is allowable to report the limited potential GHG emissions as a group while including the unrestricted PTE at the individual unit level.

3.5 Comments Received

This section will be completed after the referenced review periods.

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

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

4. Permit Fee Assessment

Attachment 4 to this TSD contains the MPCA's assessment of Application and Additional Points used to determine the permit application fee for this permit action as required by Minn. R. 7002.0019. The permit action includes two permit applications, both received after the effective date of the rule (July 1, 2009). The permit includes the incorporation of two NSPS and one NESHAP that were triggered by the modification authorized by the amendment applications and limits to avoid classification as a major modification under NSR/PSD. The action also includes the incorporation of a second NESHAP, however this was an existing standard that applied to the facility and is not a chargeable activity (i.e., the standard was not triggered by the modifications requested in the permit applications – it falls under a permit reopening but is being rolled into this permit action).

5. Conclusion

Based on the information provided by Ag Processing Inc. - Dawson, the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 07300002-003 and this TSD, will not cause or contribute to a violation of applicable federal regulations and Minnesota Rules.

Staff Members on Permit Team: Hassan Bouchareb (permit writer/engineer)
Rachel Studanski (enforcement)
Jim Kolar (stack testing)
Amrill Okonkwo (peer reviewer)

AQ File No. 42; DQ 489, DQ 3548, DQ 4092

Attachments: 1. PTE Summary and Emissions Increase Calculation Spreadsheets
2. Facility Description
3. CD-01 Forms
4. Points Calculator

ATTACHMENT 1
PTE SUMMARY AND CALCULATION SPREADSHEETS
(Available Electronically in Delta Central File)
(Total Facility PTE is located in “Facility” tab)



MPCA
AIR QUALITY
520 LAFAYETTE ROAD
ST. PAUL, MN 55155-4194

Facility Emission Summary

1) AQD Facility ID No.: **07300002**2) Facility Name: **Ag Processing Inc - Dawson**

Emission Source Description	3a) Stack/Vent ID	3b) Emission Unit ID	3c) CAS# -----				CAS#: -----				CAS#:			
			3d) Pollutant Name:				Pollutant Name:				Pollutant Name:			
			PM				PM ₁₀				PM _{2.5}			
			3e)	3f)	3g)		3h)	3i)	3j)		3k)	3l)	3m)	
			Potential		Actual ¹		Potential		Actual ¹		Potential		Actual ¹	
Cont.	Unc	Lim		Cont.	Unc	Lim		Cont.	Unc	Lim				
Lbs/Hr	tpy	tpy	tpy	Lbs/Hr	tpy	tpy	tpy	Lbs/Hr	tpy	tpy	tpy			
Amino Cooker	SV062	EU706	0.021	0.09	0.09	0.03	0.013	0.057	0.057	0.008	0.005	0.021	0.021	0.001
Amino Dryer	SV060	EU704	0.90	197.10	3.94	1.82	0.824	120.23	3.61	1.82	0.311	45.33	1.36	0.69
Amino Cooler	SV061	EU705	0.351	30.75	1.54	1.28	0.346	21.64	1.51	1.28	0.248	10.88	1.09	0.48
Meal Day Bin	SV063	EU707	0.013	0.06	0.056	0.043	0.010	0.045	0.045	0.043	0.003	0.013	0.013	0.010
Amino Start Up Bin	SV065	EU 709	0.013	0.06	0.056	0.043	0.010	0.045	0.045	0.043	0.003	0.013	0.013	0.010
Amino Meal Storage Bin ²	SV036	EU609	0.04	0.16	0.16	0.12	0.03	0.13	0.13	0.12	0.009	0.037	0.037	0.028
Amino Meal Storage Bin	SV066	EU710	0.04	0.16	0.16	0.12	0.03	0.13	0.13	0.12	0.009	0.037	0.037	0.028
Hulls Day Bin	SV064	EU 708	0.1	0.38	0.38	0.29	0.1	0.30	0.30	0.29	0.020	0.086	0.086	0.066
		4) Total Facility	Potential		Actual ¹		Potential		Actual ¹		Potential		Actual ¹	
			Cont.	Unc	Lim	Yr	Cont.	Unc	Lim	Yr	Cont.	Unc	Lim	Yr
			1.46	228.75	6.39	3.75	1.33	142.58	5.83	3.73	0.61	56.42	2.66	1.31

¹ Estimated actuals based on available stack testing data.² Existing storage bin, considered a modified unit for the purpose of this application.³ As the boilers (EU702 and EU703) maximum emission rates are not changing they are not listed on the GI-07



MPCA
AIR QUALITY
520 LAFAYETTE ROAD
ST. PAUL, MN 55155-4194

Facility Emission Summary

1) AQD Facility ID No.: 07300002 2) Facility Name: Ag Processing Inc - Dawson

Pollutant	EU704 Controlled Emissions (tons/yr)	EU705 Controlled Emissions (tons/yr)	EU706 Controlled Emissions (tons/yr)	EU707 Controlled Emissions (tons/yr)	EU708 Controlled Emissions (tons/yr)	EU709 Controlled Emissions (tons/yr)	EU710 Controlled Emissions (tons/yr)	EU609 Controlled Emissions (tons/yr)	EU702/703 Controlled Emissions (tons/yr)	Total Controlled Emissions (tons/yr)
PM	3.94	1.54	0.09	0.06	0.38	0.06	0.16	0.16	0.70	7.1
PM-10	3.61	1.51	0.06	0.05	0.30	0.05	0.13	0.13	0.70	6.5
PM-2.5	1.36	1.09	0.02	0.01	0.09	0.01	0.04	0.04	0.70	3.4
SO2									0.06	0.1
NOx									9.27	9.3
VOC									0.51	0.5
CO									7.78	7.8
Lead									4.63E-05	4.6E-05
TOTAL CO2e									11187	11,187

Summary

Pollutant	Modification Potential Emissions (tons/yr)	PSD Significant Emission Rates (tons/yr)	Exceeds SER?
PM	7.1	25	NO
PM-10	6.5	15	NO
PM-2.5	3.4	10	NO
SO2	0.1	40	NO
NOx	9.3	40	NO
VOC	0.5	40	NO
CO	7.8	100	NO
Lead	4.63E-05	0.6	NO
TOTAL CO2e	11,186.8	75,000	NO

Emissions from Boiler EU702 due to steam demand for Amino Process

Company Name Ag Processing Inc - Dawson		Combustion Emissions from steam generation from boilers	
Emission Unit	EU702	EU703	Installation 1/1/1972
Identification Number		Date	
Steam Demand (lb/hr)	15,000	Assuming saturated steam @ 150 psig (Perry's Chemical Engineering Handbook; 6 th Edition)	
Heat from Steam (Btu/lb)	1,194		
Boiler Efficiency	83%		
Boiler demand (Btu/hr)	21,578,313		
Boiler demand (cf/hr)	21,155		
Primary Fuel Type	Natural Gas		
Heat Value (Btu/cu ft)	1020		

Criteria Pollutants

Pollutant	Emission Factor (lbs/cf)	Operating Rate (cf/hr)	Emission Rate (lb/hr)	Maximum Uncontrolled Emissions (tons/yr)	Pollution Control Efficiency (%)	Maximum Controlled Emissions (tons/yr)
PM	7.60E-06	21,155	0.16078	0.7042	0	0.7042
PM-10	7.60E-06	21,155	0.16078	0.7042	0	0.7042
PM-2.5	7.60E-06	21,155	0.16078	0.7042	0	0.7042
PM-Filterable	1.90E-06	21,155	0.04019	0.1761	0	0.1761
PM-Condensable	5.70E-06	21,155	0.12058	0.5282	0	0.5282
SO ₂	6.00E-07	21,155	0.01269	0.0556	0	0.0556
NO _x	1.00E-04	21,155	2.11552	9.2660	0	9.2660
VOC	5.50E-06	21,155	0.11635	0.5096	0	0.5096
CO	8.40E-05	21,155	1.77704	7.7834	0	7.7834
Lead	5.00E-10	21,155	1.06E-05	4.63E-05	0	4.63E-05

Emission factors from AP-42 Section 1.4, Natural Gas Combustion (7/98)

The total PM emission factor is based on the PM-Filterable and PM-Condensable emission rates.

The PM-Filterable and Condensable emissions are not used for compliance purposes.

Greenhouse Gases

Pollutant	Emission Factor (lbs/cf)	Operating Rate (cf/hr)	Emission Rate (lb/hr)	Maximum Uncontrolled Emissions (tons/yr)	Pollution Control Efficiency (%)	Maximum Controlled Emissions (tons/yr)	Maximum Controlled Emissions (tonsCO ₂ e/yr)
CO ₂	1.20E-01	21,155	2539	11119.1779	0	11119.2	11119.2
N ₂ O	2.20E-06	21,155	0	0.2039	0	0.2	63.2
CH ₄	2.30E-06	21,155	0	0.2131	0	0.2	4.5
						TOTAL CO ₂ e	11186.8

Emission factors from AP-42 Section 1.4, Table 1.4-2, Natural Gas Combustion (7/98)

Pollutant	CAS	Emission Factor ^a (lbs/Million cf)	Actual Emissions (lbs/year)	Operating Rate (cu ft/hr)	Emission Rate (lb/hr)	Maximum Theoretical Emissions (lbs/yr)	Pollution Control Efficiency %	Maximum Theoretical Emissions (tons/yr)
POM ^b	NA	8.82E-05	NA	21155.2	1.87E-06	0.02	0	8.17E-06
Benzene	71-43-2	2.10E-03	NA	21155.2	4.44E-05	0.39	0	1.95E-04
Dichlorobenzene	25321-22-6	1.20E-03	NA	21155.2	2.54E-05	0.22	0	1.11E-04
Formaldehyde	50-00-0	7.50E-02	NA	21155.2	1.59E-03	13.90	0	6.95E-03
Hexane	110-54-3	1.80E+00	NA	21155.2	3.81E-02	333.58	0	1.67E-01
Naphthalene	91-20-3	6.10E-04	NA	21155.2	1.29E-05	0.11	0	5.65E-05
Toluene	108-88-3	3.40E-03	NA	21155.2	7.19E-05	0.63	0	3.15E-04
Arsenic	7440-38-2	2.00E-04	NA	21155.2	4.23E-06	0.04	0	1.85E-05
Beryllium	7440-41-7	1.20E-05	NA	21155.2	2.54E-07	0.00	0	1.11E-06
Cadmium	7440-43-9	1.10E-03	NA	21155.2	2.33E-05	0.20	0	1.02E-04
Chromium	7440-47-3	1.40E-03	NA	21155.2	2.96E-05	0.26	0	1.30E-04
Cobalt	7440-48-4	8.40E-05	NA	21155.2	1.78E-06	0.02	0	7.78E-06
Manganese	7439-96-5	3.80E-04	NA	21155.2	8.04E-06	0.07	0	3.52E-05
Mercury	7439-97-6	2.60E-04	NA	21155.2	5.50E-06	0.05	0	2.41E-05
Nickel	7440-02-0	2.10E-03	NA	21155.2	4.44E-05	0.39	0	1.95E-04
Selenium	7782-49-2	2.40E-05	NA	21155.2	5.08E-07	0.00	0	2.22E-06
Total					3.99E-02	3.50E+02		1.75E-01

^a Emission Factors from AP-42, Table 1.4-3 and 1.4-4 dated 7/98

^b POM = Sum of pollutants identified as POM in AP-42 Table 1.4-3, dated 3/98.

1a) AQ Facility ID No.: 07300002 1b) AQ File No.: 42
 2) Facility Name: Ag Processing Inc. - Dawson
 3) Emission unit identification number EU609
 4) Stack/Vent designation number: SV036 Amino Meal Storage Bin
 5) Pollution control equipment identification number(s): NA
 6) Process Type: Batch Process ☐ Continuous Process ☒
 7) Operating capacity: 50 tons per hour 865 acfm

- 8) Source of emission factors used in table below: **Actual emission calculations are based on stack testing on a meal bin vent at AGP-Mason City, IA. The uncontrolled/controlled emissions come from AGP's process experience and testing. Although this process is equipped with a bin vent filter the filter is considered to be a piece of process equipment as the material collected is recycled back into the process. Therefore, the controlled emission factor is equivalent to the uncontrolled emission factor (vendor guarantee). Actual emissions are based on on stack testing on a meal bin vent at AGP-Mason City, IA**
- 9) Calculation summary:

9a) Pollutant	9b) Uncontrolled emission factor ¹ (gr/dscf)	9c) Uncontrolled emission rate (lbs/hr)	9d) Maximum uncontrolled emissions (tons/yr)	9e) Est. Actuals uncont. emissions (tons/yr)	9f) Pollution control efficiency (%)	9g) Controlled emission factor ¹ (gr/dscf)	9h) Controlled emission rate (lbs/hr)	9i) Maximum uncontrolled emissions (tons/yr)	9j) Est. Actuals controlled emissions ² (gr/dscf)	9k) Est. Actuals controlled emissions (lbs/hr)	9l) Est. Actuals controlled emissions (tons/yr)	9m) Limited controlled emissions (lbs/hr)	9n) Limited controlled emissions (tons/yr)
PM	0.005	0.037	0.16	NA	NA	0.005	0.037	0.16	0.004	0.028	0.12	0.037	0.16
PM ₁₀ ²	0.004	0.030	0.13	NA	NA	0.004	0.030	0.13	0.004	0.028	0.12	0.030	0.13
PM _{2.5} ³	0.001	0.009	0.04	NA	NA	0.001	0.009	0.04	0.001	0.006	0.03	0.009	0.04
SO ₂	--	--	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--

¹ The uncontrolled/controlled emissions come from AGP's process experience and testing.

² Based on stack testing of a meal bin vent at AGP-Mason City, IA facility on October 26 and 27, 2004.

³ PM_{2.5} emission rates for uncontrolled/controlled emissions is based on the size distribution for Grain Processing from AP-42, Appendix B.2, Table B2.2 for Grain Processing. (09/90)

10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

1a) AQ Facility ID No.: 07300002
1b) AQ File No.: 42
 2) Facility Name: Ag Processing Inc. - Dawson
 3) Emission unit identification number: EU704
 4) Stack/Vent designation number: SV060 Amino Dryer
 5) Pollution control equipment identification number(s): CE614-Settling Chamber
 6) Process Type: Batch Process ☒ Continuous Process
 7) Operating capacity: 30 tons per hour 5280 scfm
 8) Source of emission factors used in table below: Uncontrolled emissions based on WebFIRE factors for Soybean: Meal Dryer, SCC:30200789.
Estimated actual emissions were calculated based on testing on a meal dryer at AGP-Emmetsburg facility.

9) Calculation summary:

9a) Pollutant	9b) Uncontrolled emission factor (lb/ton) ¹	9c) Uncontrolled emission rate (lbs/hr)	9d) Maximum uncontrolled emissions (tons/yr)	9e) Est. Actuals uncont. emissions (tons/yr)	9f) Settling Ch control efficiency ⁴ (%)	9g) Controlled emission factor (lb/ton)	9h) Controlled emission rate (lbs/hr)	9i) Maximum controlled emissions (tons/yr)	9j) Est. Actuals controlled emissions ² (gr/dscf)	9k) Est. Actuals controlled emissions (lbs/hr)	9l) Est. Actuals controlled emissions (tons/yr)	9m) Limited controlled emissions (lbs/hr)	9n) Limited controlled emissions (tons/yr)
PM ³	1.500	45.000	197.10	NA	98%	0.030	0.90	3.94	0.0092	0.416	1.82	0.900	3.94
PM ₁₀ ³	0.915	27.450	120.23	NA	97%	0.027	0.82	3.61	0.0092	0.416	1.82	0.824	3.61
PM _{2.5} ³	0.345	10.350	45.33	NA	97%	0.010	0.31	1.36	0.003	0.157	0.69	0.311	1.36
SO ₂	--	--	--		--	--	--	--	--	--	--	--	--
NO _x	--	--	--		--	--	--	--	--	--	--	--	--
VOC	--	--	--		--	--	--	--	--	--	--	--	--
CO	--	--	--		--	--	--	--	--	--	--	--	--
Lead	--	--	--		--	--	--	--	--	--	--	--	--

¹Based on WebFIRE factor for Soybean: Meal Dryer uncontrolled; SCC 30200789

²Based on stack testing of a meal dryer at AGP-Emmetsburg facility on April 7, 1998.

³PM10 and PM2.5 emission rates for uncontrolled/controlled emissions is based on the size distribution for Grain Processing from AP-42, Table B2.2 for Grain Processing (09/90)

⁴Control efficiency based on process experience and testing of similar facilities. Settling chamber is used as a product recovery equipment (process equipment) as the material collected is recycled back into the process.

10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

- 1a) AQ Facility ID No.: 07300002 1b) AQ File No.: 42
- 2) Facility Name: Ag Processing Inc. - Dawson
- 3) Emission unit identification number EU705
- 4) Stack/Vent designation number: SV061 Amino Cooler
- 5) Pollution control equipment identification number(s): CE613-Scrubber
- 6) Process Type: Batch Process ☐ Continuous Process ☒
- 7) Operating capacity: 30 tons per hour 17933 scfm
- 8) Source of emission factors used in table below: Estimated actuals based on stack testing on an amino cooler at AGP-Sergeant Bluffs, IA. and uncontrolled emission factor based on WebFIRE for uncontrolled Meal Cooler.
- 9) Calculation summary:

9a) Pollutant	9b) Uncont. emission factor ¹ (lb/ton)	9c) Uncont. emission rate (lbs/hr)	9d) Maximum uncont. emissions (tons/yr)	9e) Cyclone control efficiency ³ (%)	9f) Maximum uncont. emissions (tons/yr)	9g) Est. Actuals uncont. emissions (tons/yr)	9h) Pollution control efficiency ⁴ (%)	9i) Controlled emission factor lb/ton	9j) Controlled emission rate (lbs/hr)	9k) Maximum controlled emissions (tons/yr)	9l) Est. Actuals controlled emissions ⁵ (gr/scf)	9m) Est. Actuals controlled emissions (lbs/hr)	9n) Est. Actuals controlled emissions (tons/yr)	9o) Limited controlled emissions (lbs/hr)	9p) Limited controlled emissions (tons/yr)
PM	1.800	54.000	236.52	87%	30.75	NA	95%	0.012	0.351	1.54	0.002	0.29	1.28	0.351	1.54
PM ₁₀ ²	1.098	32.940	144.28	85%	21.64	NA	93%	0.012	0.346	1.51	0.002	0.29	1.28	0.346	1.51
PM _{2.5} ²	0.414	12.420	54.40	80%	10.88	NA	90%	0.008	0.248	1.09	0.001	0.11	0.48	0.248	1.09
SO ₂	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

¹Based on WebFIRE factor for Soybean: Meal Cooler, uncontrolled; SCC 30200790

²PM10 and PM2.5 emission rates for uncontrolled/controlled emissions is based on the size distribution for Grain Processing from AP-42, Appendix B.2, Table B2.2 for Grain Processing (09/90)

³High efficiency cyclone is used as a product recovery equipment (process equipment) as the material collected is recycled back into the process.

⁴Separation efficiency for cyclone (high efficiency) and the control efficiency for a Venturi Scrubber are less than those efficiencies specified in AP42, Appendix B-2, Table B.2-3 (09/90)

⁵Based on stack testing of an Amino Cooler at the AGP-Sergeant Bluffs, IA facility on January 6, 2009.

- 10) Check all of the following that are appropriate:

This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.

This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.

This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

- 11) Operating limitations, if applicable:

1a) AQ Facility ID No.: 07300002 1b) AQ File No.: 42
2) Facility Name: Ag Processing Inc. - Dawson
3) Emission unit identification number: EU706
4) Stack/Vent designation number: SV062 Amino Cooker
5) Pollution control equipment identification number(s): NA - see footnote 3
6) Process Type: Batch Process ☒ Continuous Process
7) Operating capacity: 30 tons per hour 248 scfm

- 8) Source of emission factors used in table below: Emission factors for the Amino Cooker are not available, AP-42 Table 9.9.1-1 for Storage Bin Vents (v.3/03) was used to estimate actual emissions. The uncontrolled/controlled emissions come from AGP's process experience and testing. The meal and hull mixture is sprayed with water (quenched), resulting in a minimization of emissions as an integral part of the process. Therefore, the controlled emission factor is equivalent to the uncontrolled emission factor. Actual emissions are based on AP42.
- 9) Calculation summary:

9a) Pollutant	9b) Uncontrolled emission factor ¹ (gr/dscf)	9c) Uncontrolled emission rate (lbs/hr)	9d) Maximum uncontrolled emissions (tons/yr)	9e) Est. Actuals uncontrolled emissions (tons/yr)	9f) Pollution control efficiency ³ (%)	9g) Controlled emission factor ¹ (gr/dscf)	9h) Controlled emission rate (lbs/hr)	9i) Maximum controlled emissions (tons/yr)	9j) Est. Actuals controlled emissions ² (lb/ton PM)	9k) Est. Actuals controlled emissions (lbs/hr)	9l) Est. Actuals controlled emissions (tons/yr)	9m) Limited controlled emissions (lbs/hr)	9n) Limited controlled emissions (tons/yr)
PM	0.010	0.021	0.09	3.29	99%	0.010	0.021	0.09	0.0250	0.750	0.033	0.02	0.09
PM ₁₀ ⁴	0.006	0.013	0.06	0.83	99%	0.006	0.013	0.06	0.0063	0.189	0.008	0.01	0.06
PM _{2.5} ⁴	0.002	0.005	0.02	0.14	99%	0.002	0.005	0.02	0.0011	0.033	0.001	0.00	0.02
SO ₂	--	--	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--

¹ The uncontrolled/controlled emissions come from AGP's process experience and testing.

² Emission factors for the Amino Cooker do not exist; Emission Factors from AP-42 Table 9.9.1-1 Storage Bin Vents; v3/03 were used for estimating actual emissions.

³ 99% CE expected due to the water spraying (quenching) of meal and hulls. Quenching is part of the process and is not considered control equipment.

⁴ PM10 and PM2.5 emission rates for uncontrolled/controlled emissions is based on the size distribution for Grain Processing from AP-42, Appendix B.2, Table B2.2 for Grain Processing

- 10) Check all of the following that are appropriate: ☐ 0
- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

1a) AQ Facility ID No.: 07300002 1b) AQ File No.: 42

2) Facility Name: Ag Processing Inc. - Dawson

3) Emission unit identification number EU707

4) Stack/Vent designation number: SV063 Meal Day Bin

5) Pollution control equipment identification number(s): NA

6) Process Type: Batch Process ☐ Continuous Process ☒

7) Operating capacity: 50 tons per hour 300 acfm

- 8) Source of emission factors used in table below: **Actual emisison calculations are based on stack testing on a meal bin vent at AGP-Mason City, IA. The uncontrolled/controlled emissions come from AGP's process experience and testing. Although this process is equipped with a bin vent filter the filter is considered to be a piece of process equipment as the material collected is recycled back into the process. Therefore, the controlled emission factor is equivalent to the uncontrolled emission factor. Actual emissions are based on on stack testing on a meal bin vent at AGP-Mason City, IA**
- 9) Calculation summary:

9a) Pollutant	9b) Uncontrolled emission factor ¹ (gr/dscf)	9c) Uncontrolled emission rate (lbs/hr)	9d) Maximum uncontrolled emissions (tons/yr)	9e) Est. Actuals uncont. emissions (tons/yr)	9f) Pollution control efficiency (%)	9g) Controlled emission factor ¹ (gr/dscf)	9h) Controlled emission rate (lbs/hr)	9i) Maximum controlled emissions (tons/yr)	9j) Est. Actuals controlled emissions ² (gr/dscf)	9k) Est. Actuals controlled emissions (lbs/hr)	9l) Est. Actuals controlled emissions (tons/yr)	9m) Limited controlled emissions (lbs/hr)	9n) Limited controlled emissions (tons/yr)
PM	0.005	0.013	0.06	NA	NA	0.005	0.013	0.06	0.004	0.010	0.04	0.013	0.06
PM ₁₀ ²	0.004	0.010	0.05	NA	NA	0.004	0.010	0.05	0.004	0.010	0.04	0.010	0.05
PM _{2.5} ³	0.001	0.003	0.01	NA	NA	0.001	0.003	0.01	0.001	0.002	0.010	0.003	0.013
SO ₂	--	--	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--

¹ The uncontrolled/controlled emissions come from AGP's process experience and testing.

² Based on stack testing of a meal bin vent at AGP-Mason City, IA facility on October 26 and 27, 2004.

³ PM_{2.5} emission rates for uncontrolled/controlled emissions is based on the size distribution for Grain Processing from AP-42, Appendix B.2, Table B2.2 for Grain Processing (09/90)

- 10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

- 11) Operating limitations, if applicable:

1a) AQ Facility ID No.: 07300002
1b) AQ File No.: 42
 2) Facility Name: Ag Processing Inc. - Dawson
 3) Emission unit identification number EU 708
 4) Stack/Vent designation number: SV064 Hulls Day Bin
 5) Pollution control equipment identification number(s): NA
 6) Process Type: Batch Process ☒ Continuous Process
 7) Operating capacity: 50 tons per hour 2000 acfm

8) Source of emission factors used in table below: **Actual emission calculations are based on stack testing on a meal bin vent at AGP-Mason City, IA. The uncontrolled/controlled emissions come from AGP's process experience and testing. Although this process is equipped with a bin vent filter the filter is considered to be a piece of process equipment as the material collected is recycled back into the process. Therefore, the controlled emission factor is equivalent to the uncontrolled emission factor (vendor guarantee). Actual emissions are based on on stack testing on a meal bin vent at AGP-Mason City, IA**
 9) Calculation summary:

9a) Pollutant	9b) Uncontrolled emission factor ¹ (gr/dscf)	9c) Uncontrolled emission rate (lbs/hr)	9d) Maximum uncontrolled emissions (tons/yr)	9e) Est. Actuals uncont. emissions (tons/yr)	9f) Pollution control efficiency (%)	9g) Controlled emission factor ¹ (gr/dscf)	9h) Controlled emission rate (lbs/hr)	9i) Maximum controlled emissions (tons/yr)	9j) Est. Actuals controlled emissions ² (gr/dscf)	9k) Est. Actuals controlled emissions (lbs/hr)	9l) Est. Actuals controlled emissions (tons/yr)	9m) Limited controlled emissions (lbs/hr)	9n) Limited controlled emissions (tons/yr)
PM	0.005	0.086	0.38	NA	NA	0.005	0.09	0.38	0.004	0.065	0.29	0.09	0.38
PM ₁₀ ²	0.004	0.069	0.30	NA	NA	0.004	0.07	0.30	0.004	0.065	0.29	0.07	0.30
PM _{2.5} ³	0.001	0.020	0.09	NA	NA	0.001	0.02	0.09	0.001	0.015	0.07	0.02	0.09
SO ₂	--	--	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--

¹ The uncontrolled/controlled emissions come from AGP's process experience and testing.

² Based on stack testing of a meal bin vent at AGP-Mason City, IA facility on October 26 and 27, 2004.

³ PM_{2.5} emission rates for uncontrolled/controlled emissions is based on the size distribution for Grain Processing from AP-42, Appendix B.2, Table B2.2 for Grain Processing (09/90)

10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

1a) AQ Facility ID No.: 07300002
1b) AQ File No.: 42
 2) Facility Name: Ag Processing Inc. - Dawson
 3) Emission unit identification number EU 709
 4) Stack/Vent designation number: SV065 Amino Start Up Bin
 5) Pollution control equipment identification number(s): NA
 6) Process Type: Batch Process ☒ Continuous Process
 7) Operating capacity: 50 tons per hour 300 acfm

8) Source of emission factors used in table below: **Actual emission calculations are based on stack testing on a meal bin vent at AGP-Mason City, IA. The uncontrolled/controlled emissions come from AGP's process experience and testing.**
 9) Calculation summary: **Although this process is equipped with a bin vent filter the filter is considered to be a piece of process equipment as the material collected is recycled back into the process. Therefore, the controlled emission factor is equivalent to the uncontrolled emission factor. Actual emissions are based on on stack testing on a meal bin vent at AGP-Mason City, IA**

9a) Pollutant	9b) Uncontrolled emission factor ¹ (gr/dscf)	9c) Uncontrolled emission rate (lbs/hr)	9d) Maximum uncontrolled emissions (tons/yr)	9e) Est. Actuals uncont. emissions (tons/yr)	9f) Pollution control efficiency (%)	9g) Controlled emission factor ¹ (gr/dscf)	9h) Controlled emission rate (lbs/hr)	9i) Maximum controlled emissions (tons/yr)	9j) Est. Actuals controlled emissions ² (gr/dscf)	9k) Est. Actuals controlled emissions (lbs/hr)	9l) Est. Actuals controlled emissions (tons/yr)	9m) Limited controlled emissions (lbs/hr)	9n) Limited controlled emissions (tons/yr)
PM	0.005	0.013	0.06	NA	NA	0.005	0.013	0.06	0.004	0.010	0.04	0.013	0.06
PM ₁₀ ²	0.004	0.010	0.05	NA	NA	0.004	0.010	0.05	0.004	0.010	0.04	0.010	0.05
PM _{2.5} ³	0.001	0.003	0.01	NA	NA	0.001	0.003	0.01	0.001	0.002	0.01	0.003	0.01
SO ₂	--	--	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--

¹ The uncontrolled/controlled emissions come from AGP's process experience and testing.

² Based on stack testing of a meal bin vent at AGP-Mason City, IA facility on October 26 and 27, 2004.

³ PM_{2.5} emission rates for uncontrolled/controlled emissions is based on the size distribution for Grain Processing from AP-42, Appendix B.2, Table B2.2 for Grain Processing (09/90)

10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

1a) AQ Facility ID No.: 07300002
1b) AQ File No.: 42
 2) Facility Name: Ag Processing Inc. - Dawson
 3) Emission unit identification number EU710
 4) Stack/Vent designation number: SV066 Amino Meal Storage Bin
 5) Pollution control equipment identification number(s): NA
 6) Process Type: Batch Process ☒ Continuous Process
 7) Operating capacity: 50 tons per hour 865 acfm

8) Source of emission factors used in table below:
 Actual emisison calculations are based on stack testing on a meal bin vent at AGP-Mason City, IA. The uncontrolled/controlled emissions come from AGP's process experience and testing.
 9) Calculation summary:
 Although this process is equipped with a bin vent filter the filter is considered to be a piece of process equipment as the material collected is recycled back into the process. Therefore, the controlled emission factor is equivalent to the uncontrolled emission factor. Actual emissions are based on on stack testing on a meal bin vent at AGP-Mason City, IA

9a) Pollutant	9b) Uncontrolled emission factor ¹ (gr/dscf)	9c) Uncontrolled emission rate (lbs/hr)	9d) Maximum uncontrolled emissions (tons/yr)	9e) Est. Actuals uncont. emissions (tons/yr)	9f) Pollution control efficiency (%)	9g) Controlled emission factor ¹ (gr/dscf)	9h) Controlled emission rate (lbs/hr)	9i) Maximum controlled emissions (tons/yr)	9j) Est. Actuals controlled emissions ² (gr/dscf)	9k) Est. Actuals controlled emissions (lbs/hr)	9l) Est. Actuals controlled emissions (tons/yr)	9m) Limited controlled emissions (lbs/hr)	9n) Limited controlled emissions (tons/yr)
PM	0.005	0.037	0.16	NA	NA	0.005	0.037	0.16	0.004	0.028	0.12	0.037	0.16
PM ₁₀ ²	0.004	0.030	0.13	NA	NA	0.004	0.030	0.13	0.004	0.028	0.12	0.030	0.13
PM _{2.5} ³	0.001	0.009	0.04	NA	NA	0.001	0.009	0.04	0.001	0.006	0.03	0.009	0.04
SO ₂	--	--	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--	--	--

¹ The uncontrolled/controlled emissions come from AGP's process experience and testing.

² Based on stack testing of a meal bin vent at AGP-Mason City, IA facility on October 26 and 27, 2004.

³ PM_{2.5} emission rates for uncontrolled/controlled emissions is based on the size distribution for Grain Processing from AP-42, Appendix B.2, Table B2.2 for Grain Processing

10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

**Summary of Proposed Fire Pump Engine Potential Emissions
Ag Processing Inc. - Dawson**

Wenck Associates, Inc.
6/1/11

Comparison to PSD Thresholds:

Pollutant	Proposed Fire Pump #2 Potential Emissions (tons/yr)	PSD Significance Thresholds for Major Sources (tons/yr)	Less than Significance Thresholds?
PM	0.21	25	Yes
PM ₁₀	0.21	15	Yes
PM _{2.5}	0.21	10	Yes
SO ₂	0.20	40	Yes
NO _x	0.70	40	Yes
VOC	0.25	40	Yes
CO	0.60	100	Yes
CO ₂ e	120.82	100,000	Yes
Lead	--	0.6	Yes

Comparison to Minnesota Permitting Thresholds:

Pollutant	Proposed Fire Pump #2 Potential Emissions (lb/hr)	Insignificant Modification Threshold (lbs/hr)	Minor Amendment Threshold (lbs/hr)	Moderate Amendment Threshold (lbs/hr)
PM	0.849	---	---	---
PM ₁₀	0.849	< 0.855	≥ 0.855, < 3.42	≥ 3.42
PM _{2.5}	0.849	---	---	---
SO ₂	0.795	< 2.28	≥ 2.28, < 9.13	≥ 9.13
NO _x	2.791	< 2.28	≥ 2.28, < 9.13	≥ 9.13
VOC	0.986	< 2.28	≥ 2.28, < 9.13	≥ 9.13
CO	2.419	< 5.70	≥ 5.70, < 22.80	≥ 22.80
CO ₂ e	481.684	---	---	---
Lead	--	< 0.025	≥ 0.025, < 0.11	≥ 0.11

See Table 3 below

Comparison to Insignificant Activity Thresholds under Minn. R. 7007.1300 Subp. 3.1:

Pollutant	Proposed Fire Pump #2 Potential Emissions (tons/yr)	Subpart 3.1 Insignificant Activity Threshold (tons/yr)	Less than IA Thresholds?
PM	0.21	1.0	Yes
PM ₁₀	0.21	1.0	Yes
PM _{2.5}	0.21	--	Yes
SO ₂	0.20	1.0	Yes
NO _x	0.70	1.0	Yes
VOC	0.25	1.0	Yes
CO	0.60	2.0	Yes
CO ₂ e	120.82	1000.0	Yes
Lead	--	--	Yes



1a) AQ Facility ID No.: **07300002** 1b) AQ File No.: **42**
2) Facility Name: **Ag Processing Inc - Dawson**

Part 1

- 3) Emission Unit Identification Number: **Emergency Fire Pump Engine #2** (Insignificant Activity under Minn. R. 7007.1300 Subp. 3I)
4) Stack/Vent Designation Number: _____
5) Control Equipment Identification Number: **None**
6) Engine type: ☒ Reciprocating ☐ Turbine ☐ Other _____
7) Engine is used for: ☐ Non-emergency use ☒ Emergency use only
(If you check this box, you must complete Part 2)
8) Rated heat input: **2.954** MMBtu/hr (million British thermal units/hour (Based on 7000 Btu/HP-hr per AP-42 Section 3.3))
9) Rated mechanical output: **422** HP @ **1750** RPM (per Manufacturer specifications)
10) Fuel type: **Diesel** @ **0.5 (0.015)** % Sulfur (Current diesel fuel standard is 500 ppm sulfur; this changes to 15 ppm sulfur on Oct. 1, 2010)
11) Fuel consumption rate: **20** gallons per hour
Fuel consumption rate based on manufacturer specifications
Fuel Heat Value: **137,000** Btu/gal (AP-42 Appendix A)
Annual Usage: **500** hr/yr (see Note 3 below)

12) Calculations summary:

This unit qualifies as an Insignificant Activity under Minn. R. 7007.1300 Subp. 3(I): <2 tpy CO & < 1 tpy NOx, SO2, PM/PM10 and VOC:

12a) Pollutant	12b) Emission Factor ¹ (lbs/MMBtu)	Emission factor units and source	12c) Emission Rate ² (lbs/hr)	12d) Maximum uncontrolled emissions ³ (tons/yr)	12e) Pollution control efficiency (%)	12f) Maximum controlled emissions (tons/yr)	12g) Limited controlled emissions (tons/yr)	12h) Actual emissions ⁴ (tons/yr)
PM	0.310	AP-42 Section 3.3 Table 3.3.1	0.85	0.21	0%	0.21	0.21	0.011
PM ₁₀	0.310	AP-42 Section 3.3 Table 3.3.1	0.85	0.21	0%	0.21	0.21	0.011
PM _{2.5}	0.310	AP-42 Section 3.3 Table 3.3.1	0.85	0.21	0%	0.21	0.21	0.011
SO ₂	0.290	AP-42 Section 3.3 Table 3.3.1	0.79	0.20	0%	0.20	0.20	0.010
NO _x	--	NSPS Subpart IIII ²	2.79	0.70	0%	0.70	0.70	0.036
VOC	0.360	AP-42 Section 3.3 Table 3.3.1	0.99	0.25	0%	0.25	0.25	0.013
CO	--	NSPS Subpart IIII ²	2.42	0.60	0%	0.60	0.60	0.031
Lead	No Data	AP-42 Section 3.3	--	--	--	--	--	--

¹ - Emission factors from AP-42, Section 3.3 Gasoline and Diesel Industrial Engines (small, <660 HP) 10/96. AP-42 Section 3.3 does not provide data for lead. AP-42 states for the PM₁₀ emission factor that all particulate is assumed to be ≤1 micron in size, therefore PM_{2.5} assumed equal to PM₁₀. The AP-42 PM₁₀ is also used for PM to account for the condensable fraction as well as filterable fraction, as a more conservative number than the NSPS Subpart IIII emission standard (see note 2 below).

² - NSPS Subpart IIII emission standards for certified fire pump engines for Model Year 2009 or later are provided for PM, CO and NMHC+NOx below. NOx assumed equal to the NMHC+NOx emission standard, which is a conservative estimate since it includes NMHC.

NSPS Subpart IIII Emission Standards (g/HP-Hr) for Model Year 2009 or later Certified Fire Pump Engines:			
	g/HP-Hr	lb/HP-Hr	lb/hr
PM	0.15	0.00033	0.14
NMHC + NOx	3.0	0.00661	2.79
CO	2.6	0.00573	2.42

g-HP-hr converted to lb/hr based on 453.6 g/lb and the HP of the engine provided above.

³ - Fire Pump engine is for emergency use only. Therefore, maximum potential emissions are based on 500 hours per year of operation per USEPA's Memorandum Calculating Potential to Emit (PTE) for Emergency Generators, dated September 6, 1995 from John Seitz to the Directors of Regions I - X. Although the USEPA memorandum pertains to emergency generators, the diesel engine fire pump is also only used during an emergency and routine testing, and the monitoring allowances afforded by this memorandum can also be applied to this emergency diesel engine.

⁴ - Actual emissions based on an assumed testing rate of 0.5 hour per week for 52 weeks per year = 26 hours/year

13) Operating limitations, if applicable:

None

Part 2 N/A - Emergency use only



MINNESOTA POLLUTION CONTROL AGENCY
AIR QUALITY DIVISION
520 LAFAYETTE ROAD
ST. PAUL, MN 55155-4194

PERMIT APPLICATION FORM **EC-13C**
HAZARDOUS AIR POLLUTANTS
CALCULATION FORM (FUEL COMBUSTION HAPs)
5/9/2006

- 1) AQD Facility ID No.: 07300002
2) Facility Name: Ag Processing Inc - Dawson
3) Emission Unit Identification Number: Emergency Fire Pump Engine #2
4) Stack/Vent Designation Number:
5) Maximum Rated Boiler Capacity: 2.954 MMBtu/hr (Based on engine HP * 7000 Btu/HP-hr from AP-42 Section 3.3)
6) Control Equipment Designation Number: None
7) Fuel Parameters:

7a) Fuel Type	7b) % Sulfur	7c) % Ash	7d) Heat Value Units	7e) Fuel Consumption Rate Units
Diesel	0.5 (0.015)		137,000 Btu/gal	20 gal/hr

% Sulfur: Current diesel fuel standard is 500 ppm sulfur; this changes to 15 ppm sulfur on Oct. 1, 2010.

Heat Value: From AP-42 Appendix A

Fuel Consumption Rate: Based on Manufacturer Specifications.

8) Calculations Summary - Primary Fuel: **Diesel**

8a HAP Name (CAS)	8b Emission Factor ¹ (lbs/MMBtu)	8c Actual Annual Fuel Use ² (gal/yr)	8d Emission Rate (lbs/hr)	8e Maximum Uncontrolled Emissions ³ (tons/yr)	8f Actual Uncontrolled Emissions (tons/yr)	8g Pollution Control Efficiency (%)	8h Maximum Controlled Emissions (tons/yr)	8i Limited Controlled Emissions (tons/yr)	8j Actual Controlled Emissions (tons/yr)
Acetaldehyde (75-07-0)	7.67E-04	520	2.27E-03	5.66E-04	2.95E-05	0.00%	5.66E-04	5.66E-04	2.95E-05
Acrolein (107-02-8)	9.25E-05	520	2.73E-04	6.83E-05	3.55E-06	0.00%	6.83E-05	6.83E-05	3.55E-06
Benzene (71-43-2)	9.33E-04	520	2.76E-03	6.89E-04	3.58E-05	0.00%	6.89E-04	6.89E-04	3.58E-05
1,3-Butadiene (106-99-0)	3.91E-05	520	1.16E-04	2.89E-05	1.50E-06	0.00%	2.89E-05	2.89E-05	1.50E-06
Formaldehyde (50-00-0)	1.18E-03	520	3.49E-03	8.71E-04	4.53E-05	0.00%	8.71E-04	8.71E-04	4.53E-05
Naphthalene (91-20-3)	8.48E-05	520	2.50E-04	6.26E-05	3.26E-06	0.00%	6.26E-05	6.26E-05	3.26E-06
Toluene (108-88-3)	4.09E-04	520	1.21E-03	3.02E-04	1.57E-05	0.00%	3.02E-04	3.02E-04	1.57E-05
Xylenes (1330-20-7)	2.85E-04	520	8.42E-04	2.10E-04	1.09E-05	0.00%	2.10E-04	2.10E-04	1.09E-05
Totals			1.12E-02	2.80E-03	1.46E-04		2.80E-03	2.80E-03	1.46E-04
Max Individual HAP:	(Formaldehyde)		3.49E-03	8.71E-04	4.53E-05		8.71E-04	8.71E-04	4.53E-05

¹ - Emission factors from AP-42, Section 3.3 Gasoline and Diesel Industrial Engines (small, <660 HP), Table 3.3.2, 10/96.

² - Actual annual fuel use and emissions based on an assumed testing rate of 0.5 hour per week for 52 weeks per year = 26 hours/year

³ - Fire Pump engine is for emergency use only. Therefore, maximum potential emissions are based on 500 hours per year of operation per USEPA's Memorandum Calculating Potential to Emit (PTE) for Emergency Generators, dated September 6, 1995 from John Seitz to the Directors of Regions I - X. Although the USEPA memorandum pertains to emergency generators, the diesel engine fire pump is also only used during an emergency and routine testing, and the monitoring allowances afforded by this memorandum can also be applied to this emergency diesel engine.

9) Calculations Summary - Back-up Fuel: **None**

10) Calculations Summary - Back-up Fuel: **None**

11) Worse-Case Potential-to-Emit Summary: (Ignore this item if filling out this form for a Registration Permit Option D)

HAP Name (CAS)	Emission Rate (lbs/hr)	11a) Before Operating Limits (ton/yr)	11b) After Operating Limits (ton/yr)	Actual controlled emissions (tons/yr)
Acetaldehyde (75-07-0)	2.27E-03	5.66E-04	5.66E-04	2.95E-05
Acrolein (107-02-8)	2.73E-04	6.83E-05	6.83E-05	3.55E-06
Benzene (71-43-2)	2.76E-03	6.89E-04	6.89E-04	3.58E-05
1,3-Butadiene (106-99-0)	1.16E-04	2.89E-05	2.89E-05	1.50E-06
Formaldehyde (50-00-0)	3.49E-03	8.71E-04	8.71E-04	4.53E-05
Naphthalene (91-20-3)	2.50E-04	6.26E-05	6.26E-05	3.26E-06
Toluene (108-88-3)	1.21E-03	3.02E-04	3.02E-04	1.57E-05
Xylenes (1330-20-7)	8.42E-04	2.10E-04	2.10E-04	1.09E-05
Totals	1.12E-02	2.80E-03	2.80E-03	1.46E-04

12) Operating Limitations, if applicable: (Ignore this item if filling out this form for a Registration Permit Option D):

None

Use this form to summarize the potential and actual greenhouse gas (GHG) emissions for each operation contributing to GHG emissions. Continue to use the other emission forms (EC-01 through EC-16) as applicable for other regulated air pollutants. Follow the guidance on calculation of greenhouse gas (GHG) emissions. Attach a separate spreadsheet showing all calculations.

1a) AQ Facility ID No.:	07300002	1b) AQ File No.:	42
2) Facility name:	Ag Processing Inc - Dawson		
3) Emission unit ID number:	EU704 (Insignificant Unit)		
4) Stack/Vent designation number(s):	SV 060		
5) Control equipment number(s):	N/A		
6) Maximum Rated Capacity:	2.954 MMBtu/hr (Based on engine HP * 7000 Btu/HP-hr from AP-42 Section 3.3)		
7) Operating Limitations, if applicable:	N/A		

7) Greenhouse Gas Emissions Summary. Use this table to document GHG emissions from the unit or operation listed above. You must provide mass emissions of each pollutant, as well as carbon dioxide equivalents (CO₂e). For hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs), you will have to calculate emissions of individual compounds on the separate spreadsheet and report the total HFCs and PFCs in the table below. Instructions are provided starting on page 2. Please report all numbers using three (3) significant digits; use scientific notation if necessary (for example, report 379,355 tons as "3.79E5").

7a)	7b)	7c)	7d)			7e)	7f)			7g)			7h)	
GHG Pollutant	GWP	Emission Factor ¹	Uncontrolled Emission Rate			Pollution Control Efficiency ²	Controlled Emission Rate			Limited and Controlled Emission Rate			Actual Controlled Emission Rate	
		(lb/MMBtu)	(lb/hr)	(tpy) ²	CO ₂ e (tpy) ²		(%)	(lb/hr)	(tpy) ²	CO ₂ e (tpy) ²	(lb/hr)	(tpy) ²	CO ₂ e (tpy) ²	(tpy)
CO ₂	1	163.05	481.661	120.415	120.415	N/A	481.661	120.415	120.415	481.661	120.415	120.415	N/A	N/A
CH ₄	21	6.61E-03	0.020	0.005	0.103	N/A	0.020	0.005	0.103	0.020	0.005	0.103	N/A	N/A
N ₂ O	310	1.32E-03	0.004	0.001	0.303	N/A	0.004	0.001	0.303	0.004	0.001	0.303	N/A	N/A
Total GHG (CO ₂ e)					120.821				120.821	481.684		120.821		N/A

Emission Factors from 40 CFR Part 98 Subpart C (EPA GHG Mandatory Reporting Rule), final rule published in Federal Register 10/30/09 and revisions to the final rule published in the Federal Register 12/17/10.

Distillate Fuel Oil #2:	Emission Factor	kg/MMBtu	lb/MMBtu
	CO ₂	73.96	163.05
	CH ₄	3.00E-03	6.61E-03
	N ₂ O	6.00E-04	1.32E-03

² - Fire Pump engine is for emergency use only. Therefore, maximum potential emissions are based on 500 hours per year of operation per USEPA's Memorandum *Calculating Potential to Emit (PTE) for Emergency Generators*, dated September 6, 1995 from John Seitz to the Directors of Regions I - X. Although the USEPA memorandum pertains to emergency generators, the diesel engine fire pump is also only used during an emergency and routine testing, and the monitoring allowances afforded by this memorandum can



MPCA
AIR QUALITY
520 LAFAYETTE ROAD
ST. PAUL, MN 55155-4194

Facility Emission Summary

1) AQD Facility ID No.: **07300002**2) Facility Name: **Ag Processing Inc - Dawson**

Emission Source Description	3a) Stack/Vent ID	3b) Emission Unit ID	3c) CAS# -----				CAS#: -----				CAS#:			
			3d) Pollutant Name:				Pollutant Name:				Pollutant Name:			
			PM				PM ₁₀				PM _{2.5}			
			3e) Potential			3f) Actual	Potential			Actual	Potential			Actual
			Cont. Lbs/Hr	Unc tpy	Lim tpy	tpy	Cont. Lbs/Hr	Unc tpy	Lim tpy	tpy	Cont. Lbs/Hr	Unc tpy	Lim tpy	tpy
New Storage Tank	SV059	---	0.103	0.45	0.45	NA	0.103	0.45	0.45	NA	0.103	0.45	0.45	NA
Meal Handling (New)	SV036	---	0.343	1.50	1.50	NA	0.171	0.75	0.75	NA	0.171	0.75	0.75	NA
4) Total Facility			Potential			Actual	Potential			Actual	Potential			Actual
				Unc	Lim	Yr		Unc	Lim	Yr		Unc	Lim	Yr
				1.95	1.95	NA		1.20	1.20	NA		1.20	1.20	NA

Emission Source Description	3a) Stack/Vent ID	3b) Emission Unit ID	1) AQD Facility ID No.: 07300002				2) Facility Name: Ag Processing Inc - Dawson							
			3e) Potential PM			3f) Actual tpy	Potential PM ₁₀			Actual tpy	Potential PM _{2.5}			Actual tpy
			Lbs/Hr	tpy	tpy		Lbs/Hr	tpy	tpy		Lbs/Hr	tpy	tpy	
New Storage Tank	SV059	---	0.103	0.45	0.45	NA	0.103	0.45	0.45	NA	0.103	0.45	0.45	NA
Meal Handling (Proposed)	SV036	---	0.343	1.50	1.50	NA	0.171	0.75	0.75	NA	0.171	0.75	0.75	NA
Meal Handling (Previous)	SV036	---	0.274	1.20	1.20	NA	0.137	0.60	0.60	NA	0.137	0.60	0.60	NA
Chg in Emissions			0.171				0.137				0.137			

1a) AQ Facility ID No.: 07300002 1b) AQ File No.: _____

2) Facility Name: Ag Processing Inc. - Dawson

3) Emission unit identification number: EU601, EU603, EU607, EU609, EU611, EU613

4) Stack/Vent designation number: SV036 Meal Handling

5) Pollution control equipment identification number(s): NA - (Note BH 603 is considered to be process equipment)

6) Process Type: X Batch Process Continuous Process

7) Operating capacity: 1,180,000 Bushels Storage Capacity 8000 acfm (Existing cfm)

8) Source of emission factors used in table below: Vendor Data on Baghouse

9) Calculation summary:

9a) Pollutant	9b) Uncont. emission factor ¹ (gr/dscf)	9c) Uncont. emission rate (lbs/hr)	9d) Maximum uncont. emissions (tons/yr)	9e) Actual uncont. emissions ² (tons/yr)	9f) Pollution control efficiency ³ (%)	Controlled emission factor ⁴ (gr/dscf)	Controlled emission rate (lbs/hr)	9g) Maximum controlled emissions (tons/yr)	9h) Actual controlled emissions ² (tons/yr)	9j) Limited controlled emissions (lb/hr)	9j) Limited controlled emissions (tons/yr)
PM	0.004	0.274	1.20	NA	NA	0.004	0.274	1.20	NA	0.274	1.20
PM ₁₀	0.002	0.137	0.60	NA	NA	0.002	0.137	0.60	NA	0.137	0.60
PM _{2.5}	0.002	0.137	0.60	NA	NA	0.002	0.137	0.60	NA	0.137	0.60
SO ₂	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--

10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

PM 0.004 gr/dscf PM10 0.002 gr/dscf

1a) AQ Facility ID No.: 07300002
1b) AQ File No.: _____
 2) Facility Name: Ag Processing Inc. - Dawson
 3) Emission unit identification number: EU601, EU603, EU607, EU609, EU611, EU613
 4) Stack/Vent designation number: SV036 Meal Handling
 5) Pollution control equipment identification number(s): NA - (Note BH 603 is considered to be process equipment)
 6) Process Type: X Batch Process Continuous Process
 7) Operating capacity: 1,180,000 Bushels Storage Capacity 10000 acfm (New CFM)
 8) Source of emission factors used in table below: Vendor Data on Baghouse

9) Calculation summary:

9a) Pollutant	9b) Uncont. emission factor ¹ (gr/dscf)	9c) Uncont. emission rate (lbs/hr)	9d) Maximum uncont. emissions (tons/yr)	9e) Actual uncont. emissions ² (tons/yr)	9f) Pollution control efficiency ³ (%)	Controlled emission factor ⁴ (gr/dscf)	Controlled emission rate (lbs/hr)	9g) Maximum controlled emissions (tons/yr)	9h) Actual controlled emissions ² (tons/yr)	9j) Limited controlled emissions (lb/hr)	9j) Limited controlled emissions (tons/yr)	
PM	0.004	0.343	1.50	NA	NA	0.004	0.343	1.50	NA	0.343	1.50	0.069
PM ₁₀	0.002	0.171	0.75	NA	NA	0.002	0.171	0.75	NA	0.171	0.75	0.034
PM _{2.5}	0.002	0.171	0.75	NA	NA	0.002	0.171	0.75	NA	0.171	0.75	0.034
SO ₂	--	--	--	--	--	--	--	--	--	--	--	
NO _x	--	--	--	--	--	--	--	--	--	--	--	
VOC	--	--	--	--	--	--	--	--	--	--	--	
CO	--	--	--	--	--	--	--	--	--	--	--	
Lead	--	--	--	--	--	--	--	--	--	--	--	

10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

PM 0.004 gr/dscf PM10 0.002 gr/dscf

1a) AQ Facility ID No.: 07300002
1b) AQ File No.: _____
 2) Facility Name: Ag Processing Inc. - Dawson
 3) Emission unit identification number: EU 142-EU 145 Soybean Storage Bin and Associated Conveyors and Fabric Filter
 4) Stack/Vent designation number: SV059
 5) Pollution control equipment identification number(s): Note: New Fabric Filter (FH-1594) is considered to be process equipment.
 6) Process Type: ☒ Batch Process ☐ Continuous Process
 7) Operating capacity: 1,180,000 Bushels Storage Capacity 3000 acfm
 8) Source of emission factors used in table below: Vendor Data on Baghouse

9) Calculation summary:

9a) Pollutant	9b) Uncont. emission factor ¹ (gr/dscf)	9c) Uncont. emission rate (lbs/hr)	9d) Maximum uncont. emissions (tons/yr)	9e) Actual uncont. emissions ² (tons/yr)	9f) Pollution control efficiency ³ (%)	Controlled emission factor ⁴ (gr/dscf)	Controlled emission rate (lbs/hr)	9g) Maximum controlled emissions (tons/yr)	9h) Actual controlled emissions ² (tons/yr)	9j) Limited controlled emissions (lb/hr)	9j) Limited controlled emissions (tons/yr)
PM	0.004	0.103	0.45	NA	NA	0.004	0.103	0.45	NA	0.103	0.45
PM ₁₀	0.004	0.103	0.45	NA	NA	0.004	0.103	0.45	NA	0.103	0.45
PM _{2.5}	0.004	0.103	0.45	NA	NA	0.004	0.103	0.45	NA	0.103	0.45
SO ₂	--	--	--	--	--	--	--	--	--	--	--
NO _x	--	--	--	--	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--	--	--	--	--
CO	--	--	--	--	--	--	--	--	--	--	--
Lead	--	--	--	--	--	--	--	--	--	--	--

10) Check all of the following that are appropriate:

- ☐ This process/unit combust fuel. Include fuel combustion emissions on Form EC-02 (Boilers), EC-03 (Internal Combustion Engines), or EC-08 (Ovens, Dryers, Furnaces), as appropriate.
- ☐ This process/unit uses clean-up solvents in addition to the process described by the emissions above. Include clean-up solvent emissions on Form EC-12.
- ☐ This process/unit emits Hazardous Air Pollutants (HAPs). Include HAP emissions on Form EC-13A (VOC HAPs), EC-13B (Particulate HAPs), or EC-13C (Combustion HAPs), as appropriate.

11) Operating limitations, if applicable:

NA

ATTACHMENT 2
FACILITY DESCRIPTION
(Available Electronically in Delta)



FACILITY DESCRIPTION: BUILDINGS (BG)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Added By (Action)	Retired By (Action)	Operator ID for Item	Length (feet)	Width (feet)	Roof Height from Ground (feet)	Description/Comment	Building Status
--	--------	-------------------------	---------------------------	----------------------------	------------------	-----------------	---	---------------------	--------------------



FACILITY DESCRIPTION: STACK/VENTS (SV)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Stack/ Vent Status	Added By (Action)	Retired By (Action)	Operator ID for Item	Operators Description	Height of Opening From Ground (feet)	Inside Dimensions		Design Flow Rate at Top (ACFM)	Exit Gas Temperature at Top (°F)	Flow Rate/ Temperature Information Source	Discharge Direction
								Diameter or Length (feet)	Width (feet)				
1	SV 001	Active	PER 001			N. Bean Receiving	34	1.67	2.5	10000	70	Manufacturer	Horizontal
2	SV 002	Active	PER 001			Vacuum System	18	.67		3170	70	Manufacturer	Down
3	SV 003	Active	PER 001			S. Bean Receiving	34	1.25	2.0	10000	70	Manufacturer	Horizontal
4	SV 004	Active	PER 001			Bean Handling	145	1.25	1.25	8000	70	Manufacturer	Horizontal
5	SV 005	Active	PER 001			Tub Leg and Belt Conveyors	8	1.67	2.67	15000	70	Manufacturer	Horizontal
6	SV 006	Active	PER 001			Bean Cleaner	6.5	1.42	2.0	10000	70	Manufacturer	Horizontal
7	SV 007	Active	PER 001			Hammermill	71	1.33	1.67	10000	70	Manufacturer	Horizontal
8	SV 011	Active	PER 001			Conveyers	29	0.75	0.92	8000	70	Manufacturer	Horizontal
9	SV 011	Removed	PER 003			Conveyers	29	0.75	0.92	8000	70	Manufacturer	Horizontal
10	SV 012	Active	PER 001			Tunnel Ventilation	4	1.25	2.92	360	70	Manufacturer	Down
11	SV 013	Active	PER 001			Seeds Bin Vent to Atmosphere	81	2		320	70	Manufacturer	Down
12	SV 016	Active	PER 001			W Dryer Exhaust Vents	65	4.0	4.0	45000	150	Manufacturer	Horizontal
13	SV 017	Active	PER 001			E Dryer Exhaust Vents	70	4.5	1.5	60000	150	Manufacturer	Horizontal
14	SV 018	Active	PER 001			New Mac Dehulling Discharge	56	2.32		13885	70	Manufacturer	Down
15	SV 019	Active	PER 001			Flaking and Conditioning	30	2.24	1.08	5400	110	Manufacturer	Horizontal
16	SV 020	Active	PER 001			Cracking and Flaking	40	2.52		20000	70	Manufacturer	Down
17	SV 021	Active	PER 001			Seeds Blower Cyclone Vent	47	.67		25	70	Manufacturer	Horizontal
18	SV 022	Active	PER 001			#1 Side Flaker Drag Vent Fan	53	.83		3000	70	Manufacturer	Down
19	SV 023	Active	PER 001			#2 Side Flaker Drag Vent Fan	54	.83		3000	70	Manufacturer	Down
20	SV 024	Active	PER 001			#1 Bean Cond. Exhaust Vent	20	0.67		680	70	Manufacturer	Horizontal
21	SV 027	Active	PER 001			Hammermill Discharge	52	2.2	2.2	30000	70	Manufacturer	Horizontal
22	SV 029	Active	PER 001			Dryer Deck Cyclone	58	2		11000	105	Manufacturer	Horizontal
23	SV 030	Active	PER 001			Cooler Cyclone	58	2		11000	105	Manufacturer	Horizontal
24	SV 031	Active	PER 001			Top Dryer Deck Cyclone Discharge	51	3.15		11000	105	Manufacturer	Down
25	SV 036	Active	PER 001			Meal Handling	27	1.5	1.5	8000	70	Manufacturer	Horizontal
26	SV 036	Active	PER 003			Meal Handling	27	1.5	1.5	10000	70	Manufacturer	Down
27	SV 037	Active	PER 001			Hull Blowers Cyclone	64	.67		2700	70	Manufacturer	Down



FACILITY DESCRIPTION: STACK/VENTS (SV)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Stack/ Vent Status	Added By (Action)	Retired By (Action)	Operator ID for Item	Operators Description	Height of Opening From Ground (feet)	Inside Dimensions		Design Flow Rate at Top (ACFM)	Exit Gas Temperature at Top (°F)	Flow Rate/ Temperature Information Source	Discharge Direction
								Diameter or Length (feet)	Width (feet)				
28	SV 038	Active	PER 001			Meal and Hull Bin	82	1.88		1800	70	Manufacturer	Horizontal
29	SV 039	Active	PER 001			Truck Loadout	7	3.62	3.62	45000	70	Manufacturer	Down
30	SV 041	Active	PER 001			Meal Tank #4 Vent	67	2.26		47	70	Manufacturer	Down
31	SV 042	Active	PER 001			Meal Tank #5 Vent	67	2.26		47	70	Manufacturer	Down
32	SV 043	Active	PER 001			Meal Tank #6 Vent	69	2.26		47	70	Manufacturer	Down
33	SV 044	Active	PER 001			Mill Run Tank #1 Vent	61	1.67	1.67	2	70	Manufacturer	Down
34	SV 045	Active	PER 001			Mill Run Tank #2 Vent	61	1.67	1.67	2	70	Manufacturer	Down
35	SV 046	Active	PER 001			Mill Run Tank #3 Vent	61	1.67	1.67	2	70	Manufacturer	Down
36	SV 048	Active	PER 001			Stran Steel Baghouse	20	1.24	1.24	2000	70	Manufacturer	Horizontal
37	SV 049	Active	PER 001			Smectite Bin Baghouse	52	1.03	1.03	9000	70	Manufacturer	Horizontal
38	SV 051	Active	PER 001			Cleaver Brooks Stack	50	3.75		25900	475	Manufacturer	Down
39	SV 052	Active	PER 001			Nebraska Stack	90	3.5		36000	300	Manufacturer	Down
40	SV 053	Active	PER 001			T-1 #6 Fuel Tank Vent	39	.58			70	Manufacturer	Down
41	SV 054	Active	PER 001			T-2 #6 Fuel Tank Vent	39	.67			70	Manufacturer	Down
42	SV 055	Active	PER 001			#1 Side Flaker Aspiration	30	1.63	1.63	8000	70	Manufacturer	Horizontal
43	SV 056	Active	PER 001			Pellet Blower Baghouse	145	1.77	1.77	900	130	Manufacturer	Horizontal
44	SV 057	Active	PER 001			Pellet Cooler Cyclone	30	1.35	1.33	8000	130	Manufacturer	Horizontal
45	SV 058	Active	PER 001			Kemnco #3 Boiler Bypass	55	3		7200	60	Manufacturer	Down
46	SV 059	Active	PER 003			TZ-1587 Stack/Vent		1.08	1.21	3500	70	Manufacturer	Horizontal
47	SV 060	Active	PER 003			Amino Dryer Vent	72.25	2.5		6375	180	Estimate	Up, unknown Cap
48	SV 061	Active	PER 003			Amino Cooler Vent	72.25	2.5		20000	130	Estimate	Up, unknown Cap
49	SV 062	Active	PER 003			Amino Cooker Vent	85.67	0.5		300	180	Estimate	Up, unknown Cap
50	SV 063	Active	PER 003			Meal Day Bin Vent	66	0.33	0.42	300	70	Estimate	Up, unknown Cap
51	SV 064	Active	PER 003			Hulls Day Bin Vent	66	0.33	0.42	2000	70	Estimate	Up, unknown Cap
52	SV 065	Active	PER 003			Amino Start Up Bin Vent	66	0.33	0.42	300	70	Estimate	Up, unknown Cap
53	SV 066	Active	PER 003			Amino Meal Storage Bin	69.67	0.33	0.42	865	70	Estimate	Up, unknown Cap
54	SV 067	Active	PER 003			Emergency Fire Pump Engine	11	0.5		2050	891	Manufacturer	Horizontal



FACILITY DESCRIPTION: CONTROL EQUIPMENT (CE)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Control Equip. Status	Added By (Action)	Retired By (Action)	Operator ID for Item	Control Equip. Type	Control Equipment Description	Manufacturer	Model	Pollutants Controlled	Capture Efficiency (%)	Destruction/Collection Efficiency (%)	Afterburner Combustion Parameters
1	CE 101	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Mikropulsaire Corp	100S-8-20	PM10 PM	100 100	95 98	
2	CE 102	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Hoffman	4110A	PM10 PM	100 100	95 98	
3	CE 103	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Mikropulsaire Corp	100S-8-20	PM10 PM	100 100	92 93	
4	CE 104	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Mikropulsaire Corp	64S-8-20	PM10 PM	100 100	90 92	
5	CE 105	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Mikropulsaire Corp	97-W-10-WA	PM10 PM	100 100	87 95	
6	CE 106	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Mikropulsaire Corp	100S-8-20	PM10 PM	100 100	93 95	
7	CE 107	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Flex-Kleen Corp	100CT74	PM10 PM	100 100	74 92	
8	CE 108	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Pangborn Division	CM 40	PM10 PM	100 100	95 95	
9	CE 109	Active	PER 001			007	Centrifugal Collector - High Efficiency	Gamet	Unknown	PM10 PM	100 100	80 80	
10	CE 110	Active	PER 001			007	Centrifugal Collector - High Efficiency	Gamet	Unknown	PM10 PM	100 100	80 80	
11	CE 111	Active	PER 001			007	Centrifugal Collector - High Efficiency	Jacobson	Unknown	PM10 PM	100 100	80 80	
12	CE 112	Active	PER 001			007	Centrifugal Collector - High Efficiency	Jacobson	Unknown	PM10 PM	100 100	80 80	
13	CE 113	Active	PER 001			062	Dust Suppression by Chemical Stabilizers or Wetting Agents	N/A	N/A	PM10 PM	100 100	50 87	
14	CE 114	Active	PER 001			062	Dust Suppression by Chemical Stabilizers or Wetting Agents	N/A	N/A	PM10 PM	100 100	50 87	
15	CE 115	Active	PER 001			099	Other (Encl.Sett.Chamber)	N/A	N/A	PM10 PM	100 100	72 93	
16	CE 116	Active	PER 001			099	Other(Encl. Sett, Chamber)	N/A	N/A	PM10 PM	100 100	62 91	
17	CE 117	Active	PER 001			099	Other (Settling Chamber)	N/A	N/A	PM10 PM	100 100	79 87	
18	CE 118	Active	PER 001			099	Other (Settling Chamber)	N/A	N/A	PM10 PM	100 100	98 98	
19	CE 201	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	MAC	96MCF255	PM10 PM	100 100	95 99	
20	CE 202	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	MAC	1205150	PM10 PM	100 100	99 99	



FACILITY DESCRIPTION: CONTROL EQUIPMENT (CE)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Control Equip. Status	Added By (Action)	Retired By (Action)	Operator ID for Item	Control Equip. Type	Control Equipment Description	Manufacturer	Model	Pollutants Controlled	Capture Efficiency (%)	Destruction/Collection Efficiency (%)	Afterburner Combustion Parameters
21	CE 203	Active	PER 001			007	Centrifugal Collector - High Efficiency	Unknown	Unknown	PM10 PM	100 100	80 80	
22	CE 204	Active	PER 001			007	Centrifugal Collector - High Efficiency	Kice	CK-120	PM10 PM	100 100	80 80	
23	CE 205	Active	PER 001			007	Centrifugal Collector - High Efficiency	Kice	CK-66	PM10 PM	100 100	80 80	
24	CE 206	Active	PER 001			007	Centrifugal Collector - High Efficiency	Kice	CK-42	PM10 PM	100 100	80 80	
25	CE 207	Active	PER 001			007	Centrifugal Collector - High Efficiency	Kice	CK-36	PM10 PM	100 100	80 80	
26	CE 208	Active	PER 001			007	Centrifugal Collector - High Efficiency	Unknown	Unknown	PM10 PM	100 100	97 97	
27	CE 209	Active	PER 001			007	Centrifugal Collector - High Efficiency	Unknown	Unknown	PM10 PM	100 100	80 80	
28	CE 210	Active	PER 001			007	Centrifugal Collector - High Efficiency	MAC	Unknown	PM10 PM	100 100	99 99	
29	CE 301	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Flex-Kleen Corp	84 UDC 2401	PM10 PM	100 100	79 95	
30	CE 302	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Flex-Kleen Corp	58-CT-14	PM10 PM	100 100	82 95	
31	CE 303	Active	EIS 001			007	Centrifugal Collector - High Efficiency	Alanco	HE-36	PM10 PM	100 100	85 85	
32	CE 304	Active	PER 001			007	Centrifugal Collector - High Efficiency	MAC	HE-33	PM10 PM	100 100	80 80	
33	CE 401	Active	PER 001			007	Centrifugal Collector - High Efficiency	Kice	CK-84	PM10 PM	100 100	99 99	
34	CE 402	Active	PER 001			007	Centrifugal Collector - High Efficiency	Kice	CK-84	PM10 PM	100 100	99 99	
35	CE 403	Active	PER 001			007	Centrifugal Collector - High Efficiency	Kice	CK-84	PM10 PM	100 100	98 99	
36	CE 601	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	DCL Inc	FS 260	PM10 PM	100 100	99 99	
37	CE 602	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	MAC	120MCF572	PM10 PM	100 100	79 94	
38	CE 603	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Flex-Kleen Corp	58-74M-54	PM10 PM	100 100	96 99	
39	CE 604	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Mikropulsaire Corp	144S-8-20	PM10 PM	100 100	99 99	
40	CE 605	Active	PER 001			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	Flex-Kleen Corp	58-CT-14	PM10 PM	100 100	99 99	



FACILITY DESCRIPTION: CONTROL EQUIPMENT (CE)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Control Equip. Status	Added By (Action)	Retired By (Action)	Operator ID for Item	Control Equip. Type	Control Equipment Description	Manufacturer	Model	Pollutants Controlled	Capture Efficiency (%)	Destruction/Collection Efficiency (%)	Afterburner Combustion Parameters
41	CE 606	Active	PER 001			007	Centrifugal Collector - High Efficiency	Gerber	Unknown	PM10 PM	100 100	87 95	
42	CE 607	Active	PER 001			099	Other (Settling C	N/A	N/A	PM10 PM	100 100	84 96	
43	CE 608	Active	PER 001			099	Other(Settling C	N/A	N/A	PM10 PM	100 100	84 96	
44	CE 609	Active	PER 001			099	Other (Settling C	N/A	N/A	PM10 PM	100 100	84 96	
45	CE 610	Active	PER 001			099	Other(Settling C	N/A	N/A	PM10 PM	100 100	70 93	
46	CE 611	Active	PER 001			099	Other(Settling C	N/A	N/A	PM10 PM	100 100	70 93	
47	CE 612	Active	PER 001			099	Other (Settling C	N/A	N/A	PM10 PM	100 100	70 93	
48	CE 613	Active	PER 003			053	Venturi Scrubber	Entolator or Equivalent		PM2.5 PM10 PM	100 100 100	90 93 95	
49	CE 614	Active	PER 003			099	Settling Chamber			PM2.5 PM10 PM	100 100 100	97 97 98	
50	CE 615	Active	PER 003			018	Fabric Filter - Low Temperature, i.e., T<180 Degrees F	MAC	72ST49	PM10 PM	100 100	0 0	



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
1	EU 101	Active	PER 001		<input type="checkbox"/>		SV 001 (P)	CE 101	N Receiving Pit (BP101, BH101)	Built on site		2075	462.9		Ton	Hr	
2	EU 103	Active	PER 001		<input type="checkbox"/>		SV 001 (P)	CE 101 CE 109	North Sampler (SA101, CY101, BH101)	Gamet		2075	300		Ton	Hr	
3	EU 105	Active	PER 001		<input type="checkbox"/>		SV 001 (P)	CE 101 CE 110	South Sampler (SA102, CY102, BH101)	Gamet		2075	300		Ton	Hr	
4	EU 107	Active	PER 001		<input type="checkbox"/>		SV 002 (M)	CE 107	Central Vac System (CV101, BH107)	Hoffman		2075	1.07		Ton	Hr	
5	EU 109	Active	PER 001		<input type="checkbox"/>		SV 003 (P)	CE 102	S Receiving Pit (BP102, BH102)	Built on site		2075	450		Ton	Hr	
6	EU 113	Active	PER 001		<input type="checkbox"/>		SV 003 (P) SV 012 (P)	CE 102 CE 108 CE 113	North Bean Rec Conv (BC101, OS101, BH101)	Hi Roller	28Wx24H	2075	462.9		Ton	Hr	
7	EU 115	Active	PER 001		<input type="checkbox"/>		SV 004 (P)	CE 103 CE 113 CE 114	North Elevator Leg (EL101, OS101, OS102, BH103)	K L Willis	14x21x57	2075	336.0		Ton	Hr	
8	EU 117	Active	PER 001		<input type="checkbox"/>		SV 004 (P)	CE 103 CE 113 CE 114	South Elevator Leg (EL102, OS101, OS102, BH103)	K L Willis	14x33x57	2075	450.0		Ton	Hr	
9	EU 119	Active	PER 001		<input type="checkbox"/>		SV 004 (P)	CE 103 CE 113 CE 114	Top Drag Conveyor (DC101, OS101, OS102, BH103)	Buhler	16Wx21H	2075	226.5		Ton	Hr	
10	EU 119	Removed	PER 003		<input type="checkbox"/>		SV 004 (P)	CE 113 CE 114	Top Drag Conveyor (DC101, OS101, OS102, BH103)	Buhler	16Wx21H	2075	226.5		Ton	Hr	
11	EU 121	Active	PER 001		<input type="checkbox"/>		SV 004 (P) SV 005 (P)	CE 103 CE 104 CE 113 CE 114	Belt Conveyor #4 (BC104, OS101, OS102, BH103, BH104)	Hi Roller	32Wx24H	2075	591.3		Ton	Hr	
12	EU 123	Active	PER 001		<input type="checkbox"/>		SV 005 (P) SV 011 (P)	CE 104 CE 108	#2 Tunnel Belt (BC106, BH104, BH108)	Rexnord	45 idler	2075	450.0		Ton	Hr	
13	EU 123	Active	PER 003		<input type="checkbox"/>		SV 005 (P) SV 020 (P)	CE 104 CE 108	#2 Tunnel Belt (BC106, BH104, BH108)	Rexnord	45 idler	2075	450.0		Ton	Hr	
14	EU 125	Active	PER 001		<input type="checkbox"/>		SV 005 (P)	CE 104 CE 113 CE 114	#3 Tunnel Belt (BC105, OS101, OS102, BH104)	Hi Roller	24	2075	420.0		Ton	Hr	
15	EU 127	Active	PER 001		<input type="checkbox"/>		SV 020 (P)	CE 202 CE 209	Dust Truck Cyclone (CY207, BH202)	In House Design		2075	120.0		Ton	Hr	
16	EU 129	Active	PER 001		<input type="checkbox"/>		SV 005 (P)	CE 104	Tub Leg (EL103, BH104)	K L Willis	15x28x52	2075	420.0		Ton	Hr	

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
1	EU 101	Active	PER 001	01/01/1971						
2	EU 103	Active	PER 001	01/01/1971						
3	EU 105	Active	PER 001	01/01/1971						
4	EU 107	Active	PER 001	01/01/1980						
5	EU 109	Active	PER 001	01/01/1971						
6	EU 113	Active	PER 001	01/01/1985						
7	EU 115	Active	PER 001	01/01/1971						
8	EU 117	Active	PER 001	01/01/1971						
9	EU 119	Active	PER 001	01/01/1971					Whole Facility	
10	EU 119	Removed	PER 003	01/01/1971					Whole Facility	
11	EU 121	Active	PER 001	01/01/1985						
12	EU 123	Active	PER 001	12/31/1966						
13	EU 123	Active	PER 003	12/31/1966						
14	EU 125	Active	PER 001	01/01/1991						
15	EU 127	Active	PER 001	01/01/1985						
16	EU 129	Active	PER 001	12/31/1966						



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
17	EU 131	Active	EIS 001		<input type="checkbox"/>		SV 006 (P)	CE 106 CE 113 CE 114	Stoner (ST101, OS101, OS102, BH106)	Built on site		2075					
18	EU 133	Active	PER 001		<input type="checkbox"/>		SV 006 (P)	CE 106 CE 113 CE 114	Cleaner Screen (SN101, OS101, OS102, BH106)	Rotex	50-31	2075	120		Ton	Hr	
19	EU 135	Active	PER 001		<input type="checkbox"/>		SV 006 (P)	CE 106	Carter Day Cleaner (GS102, BH106)	Carter Day	A-06	2075	120		Ton	Hr	
20	EU 137	Active	PER 001		<input type="checkbox"/>		SV 007 (P)	CE 105 CE 111	Carter Day Cleaner (GS103, CY103, BH105)	Carter Day	A-06	2075	120		Ton	Hr	
21	EU 139	Active	EIS 001		<input type="checkbox"/>		SV 007 (P)	CE 105 CE 112	Hammer Mill (HM101, CY104, BH105)	Jacobson	AJAX	2075	10		Ton	Hr	
22	EU 141	Active	EIS 001		<input type="checkbox"/>		SV 007 (P) SV 013 (B)	CE 105	Seeds Bin (SB150, BH105) Seeds Tank Vent (SB150)	Unknown		2075					
23	EU 149	Active	PER 001		<input type="checkbox"/>		SV 011 (P)	CE 108	Day Tank Leg (EL108, BH108)	K L Willis		2075	150		Ton	Hr	
24	EU 149	Active	PER 003		<input type="checkbox"/>		SV 020 (P)	CE 108	Day Tank Leg (EL108, BH108)	K L Willis		2075	150		Ton	Hr	
25	EU 151	Active	PER 001		<input type="checkbox"/>		SV 011 (P)	CE 108	#1 Belt Conveyor (BC107, BH108)	Rexnord	45 idler	2075	300		Ton	Hr	
26	EU 151	Active	PER 003		<input type="checkbox"/>		SV 020 (P)	CE 108	#1 Belt Conveyor (BC107, BH108)	Rexnord	45 idler	2075	300		Ton	Hr	
27	EU 157	Active	PER 001		<input type="checkbox"/>		SV 012 (P)	CE 114	South Bean Rec Conv (BC102, OS102)	Hi Roller	28Wx24H	2075	10		Ton	Hr	
28	EU 163	Active	PER 001		<input type="checkbox"/>		SV 016 (M)	CE 115	Grain Dryer (GD102, EN101)	Carter Day	HC-2500	2075	75		Ton	Hr	19.8
29	EU 165	Active	PER 001		<input type="checkbox"/>		SV 017 (M)	CE 116	Grain Dryer (GD101, EN102)	Carter Day	HC-56	2075	75		Ton	Hr	18.5
30	EU 167	Active	PER 001		<input checked="" type="checkbox"/>		SV 021 (M)	CE 203	Seeds Blower (PB102, CY201)	M & D	4009-1753	2075	10		Ton	Hr	
31	EU 201	Active	PER 001		<input type="checkbox"/>		SV 018 (P)	CE 201 CE 204	Primary Aspirator (AS201, CY202, BH201)	Kice	Gere 108	2075	90.6		Ton	Hr	
32	EU 203	Active	PER 001		<input type="checkbox"/>		SV 018 (P)	CE 201 CE 207	#1 Secondary Dehull Asp (AS202, CY205, BH201)	Kice	GE 24	2075	2.25		Ton	Hr	
33	EU 205	Active	PER 001		<input type="checkbox"/>		SV 018 (P)	CE 201 CE 206	#2 Secondary Dehull Asp (AS203, CY204, BH201)	Kice	GE 30	2075	2.25		Ton	Hr	
34	EU 207	Active	PER 001		<input type="checkbox"/>		SV 018 (P)	CE 201 CE 205	#3 Secondary Dehull Asp (AS204, CY203, BH201)	Kice	GE 60	2075	3.36		Ton	Hr	
35	EU 209	Active	EIS 001		<input type="checkbox"/>		SV 019 (P)	CE 118 CE 208	#2 Bean Conditioner (CD202, STC202, CY206)	Davenport	7x30	2075	45		Ton	Hr	
36	EU 211	Active	EIS 001		<input type="checkbox"/>		SV 019 (P)	CE 208	#6 Flaker (FR206, CY206)	Roskamp	28x52	2075	257		Ton	Day	

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
17	EU 131	Active	EIS 001	01/01/1980						
18	EU 133	Active	PER 001	01/01/1970					Whole Facility	
19	EU 135	Active	PER 001	01/01/1980						
20	EU 137	Active	PER 001	01/01/1980						
21	EU 139	Active	EIS 001	01/01/1980						
22	EU 141	Active	EIS 001	01/01/1980						
23	EU 149	Active	PER 001	01/01/1970						
24	EU 149	Active	PER 003	01/01/1970						
25	EU 151	Active	PER 001	01/01/1970						
26	EU 151	Active	PER 003	01/01/1970						
27	EU 157	Active	PER 001	01/01/1985						
28	EU 163	Active	PER 001	01/01/1984					Whole Facility	
29	EU 165	Active	PER 001	01/01/1971					Whole Facility	
30	EU 167	Active	PER 001	01/01/1980						
31	EU 201	Active	PER 001	01/01/1993						
32	EU 203	Active	PER 001	01/01/1993						
33	EU 205	Active	PER 001	01/01/1993						
34	EU 207	Active	PER 001	01/01/1993					Group of Sources	
35	EU 209	Active	EIS 001	12/31/1968					Whole Facility	
36	EU 211	Active	EIS 001	01/01/1993					Whole Facility	



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
37	EU 213	Active	EIS 001		<input type="checkbox"/>		SV 019 (P)	CE 208	#7 Flaker (FR207, CY206)	Roskamp	28x52	2075	257		Ton	Day	
38	EU 215	Active	PER 001		<input type="checkbox"/>		SV 019 (P)	CE 208	#8 Flaker (FR208, CY206)	Bauermeister	24x40	2075	167		Ton	Day	
39	EU 217	Active	PER 001		<input type="checkbox"/>		SV 019 (P)	CE 208	#9 Flaker (FR209, CY206)	Bauermeister	24x40	2075	167		Ton	Day	
40	EU 225	Active	PER 001		<input type="checkbox"/>		SV 020 (P)	CE 202	Bean Cleaner (SN201, BH202)	Rotex	81	2075	90.6		Ton	Hr	
41	EU 226	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	Day Bin Drag (DC202, BH202)	Buhler	15x24	2075	120		Ton	Hr	
42	EU 227	Removed	PER 001		<input type="checkbox"/>		SV 020 (P)		Bean Scale (WS201, BH202)	Ramsey	10-201	2075	100		Ton	Hr	
43	EU 228	Active	PER 001		<input type="checkbox"/>		SV 020 (P)	CE 202	Top Bean Drag (DC203, BH202)	Tramco	12	2075	92		Ton	Hr	
44	EU 229	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	#1 Cracker (CR201, BH202)	Ferrel Ross	10x42	2075	400		Ton	Day	
45	EU 230	Active	PER 001		<input type="checkbox"/>		SV 020 (P)	CE 202	Clean Bean Elevator (EL202, BH202)	Maxi-Lift	13	2075	120		Ton	Hr	
46	EU 231	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	#2 Cracker (CR202, BH202)	Ferrel Ross	10x42	2075	400		Ton	Day	
47	EU 233	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	#3 Cracker (CR203, BH202)	Ferrel Ross	10x42	2075	400		Ton	Day	
48	EU 235	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	#4 Cracker (CR204, BH202)	Ferrel Ross	10x42	2075	400		Ton	Day	
49	EU 237	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	#5 Cracker (CR205, BH202)	Ferrel Ross	10x42	2075	400		Ton	Day	
50	EU 239	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	#6 Cracker (CR206, BH202)	Ferrel Ross	10x42	2075	400		Ton	Day	
51	EU 241	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	#7 Cracker (CR207, BH202)	Ferrel Ross	10x42	2075	400		Ton	Day	
52	EU 243	Active	PER 001		<input type="checkbox"/>		SV 055 (P)	CE 210	#1 Flaker (FR201, CY208)	Bauermeister		2075	98		Ton	Day	
53	EU 245	Active	PER 001		<input type="checkbox"/>		SV 055 (P)	CE 210	#2 Flaker (FR202, CY208)	Bauermeister		2075	98		Ton	Day	
54	EU 247	Active	PER 001		<input type="checkbox"/>		SV 055 (P)	CE 210	#3 Flaker (FR203, CY208)	Bauermeister		2075	167		Ton	Day	
55	EU 249	Active	PER 001		<input type="checkbox"/>		SV 055 (P)	CE 210	#4 Flaker (FR204, CY208)	Bauermeister		2075	167		Ton	Day	
56	EU 251	Active	PER 001		<input type="checkbox"/>		SV 055 (P)	CE 210	#5 Flaker (FR205, CY208)	Bauermeister		2075	167		Ton	Day	
57	EU 253	Active	EIS 001		<input type="checkbox"/>		SV 019 (P)	CE 208	#1 Flaker Feed Conveyor (DC215, CY206)	Tramco	14RS-DT	2075	88		Ton	Hr	
58	EU 255	Active	PER 001		<input type="checkbox"/>		SV 055 (P)	CE 210	#10 Flaker (FR210, CY208)	Bauermeister		2075	187		Ton	Day	
59	EU 257	Active	PER 001		<input type="checkbox"/>		SV 055 (P)	CE 210	Buhler Flaker (FR211, CY208)	Buhler		2075	187		Ton	Day	
60	EU 258	Active	EIS 001		<input type="checkbox"/>		SV 055 (P)	CE 210	#11 Flaker (FR212, CY208)	Roskamp		2075	257		Ton	Day	
61	EU 261	Active	PER 001		<input type="checkbox"/>		SV 020 (P)	CE 202	Conv from #1 Conditioner (DC214, BH202)	Tramco	15x20H-DT	2075	45		Ton	Hr	

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
37	EU 213	Active	EIS 001	01/01/1993					Whole Facility	
38	EU 215	Active	PER 001	01/01/1970					Whole Facility	
39	EU 217	Active	PER 001	01/01/1970					Whole Facility	
40	EU 225	Active	PER 001	01/01/1970					Whole Facility	
41	EU 226	Active	EIS 001	01/01/1970						
42	EU 227	Removed	PER 001	01/01/1981						
43	EU 228	Active	PER 001	01/01/1970						
44	EU 229	Active	EIS 001	01/01/1970						
45	EU 230	Active	PER 001	01/01/1970						
46	EU 231	Active	EIS 001	01/01/1970						
47	EU 233	Active	EIS 001	01/01/1970						
48	EU 235	Active	EIS 001	01/01/1970						
49	EU 237	Active	EIS 001	01/01/1970						
50	EU 239	Active	EIS 001	01/01/1970						
51	EU 241	Active	EIS 001	01/01/1970						
52	EU 243	Active	PER 001	01/01/1970					Whole Facility	
53	EU 245	Active	PER 001	01/01/1970					Whole Facility	
54	EU 247	Active	PER 001	01/01/1970					Whole Facility	
55	EU 249	Active	PER 001	01/01/1970					Whole Facility	
56	EU 251	Active	PER 001	01/01/1975					Whole Facility	
57	EU 253	Active	EIS 001	01/01/1985						
58	EU 255	Active	PER 001	01/01/1985					Whole Facility	
59	EU 257	Active	PER 001	01/01/1980					Whole Facility	
60	EU 258	Active	EIS 001	01/01/1995					Whole Facility	
61	EU 261	Active	PER 001	01/01/1993						



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
62	EU 263	Active	EIS 001		<input type="checkbox"/>		SV 019 (P)	CE 208	#2 Flaker Feed Conveyor (DC216, CY206)	Tramco	18x20H-DT	2075	42		Ton	Hr	
63	EU 267	Active	EIS 001		<input type="checkbox"/>		SV 022 (M)		Flake Conveyor #1 Side (DC218)	Tramco	10x18	2075	50		Ton	Hr	
64	EU 269	Active	EIS 001		<input type="checkbox"/>		SV 023 (M)		Flake Conveyor #2 Side (DC219)	Buhler	15x24	2075	40		Ton	Hr	
65	EU 271	Active	PER 001		<input type="checkbox"/>		SV 024 (M)	CE 117	#1 Bean Conditioner (CD201, STC201)	Superior	7x30	2075	45		Ton	Hr	
66	EU 275	Active	EIS 001		<input type="checkbox"/>		SV 019 (P)	CE 208	#3 Flaker Feed Conveyor (DC217, CY206)	Screw Conveyor	12	2075	40		Ton	Hr	
67	EU 301	Active	EIS 001		<input type="checkbox"/>		SV 020 (P)	CE 202	Ground Hull Conveyor (SC301, BH202)	Martin	9	2075	10		Ton	Hr	
68	EU 305	Active	EIS 001		<input type="checkbox"/>		SV 027 (P)	CE 301	#2 Meal Rotex Feed (SC302, BH301)	Martin	14	2075	50		Ton	Hr	
69	EU 307	Active	EIS 001		<input type="checkbox"/>		SV 027 (P)	CE 301	#2 Meal Rotex (SN302, BH301)	Rotex	GP532	2075	40		Ton	Hr	
70	EU 308	Active	EIS 001		<input type="checkbox"/>		SV 027 (P)	CE 301	#3 Meal Rotex (SN303, BH301)	Rotex	GP532	2075	40		Ton	Hr	
71	EU 309	Active	EIS 001		<input type="checkbox"/>		SV 027 (P)	CE 301	#1 H Mill Discharge Screw (SC308, BH301)	Martin	12	2075	30		Ton	Hr	
72	EU 311	Active	PER 001		<input type="checkbox"/>		SV 027 (P)	CE 301	#2 H Mill Discharge Screw (SC307, BH301)	Martin	12	2075	68		Ton	Hr	
73	EU 313	Active	EIS 001		<input type="checkbox"/>		SV 027 (P)	CE 301	#3 H Mill Discharge Screw (SC306, BH301)	Martin	12	2075	30		Ton	Hr	
74	EU 315	Active	EIS 001		<input type="checkbox"/>		SV 027 (P)	CE 301	#3 H Mill Feed Screw (SC305, BH301)	Martin	12	2075	30		Ton	Hr	
75	EU 317	Active	PER 001		<input type="checkbox"/>		SV 027 (P)	CE 301	#1 Finished Meal Conv (DC304, BH301)	Tramco	12x16	2075	68		Ton	Hr	
76	EU 318	Active	EIS 001		<input type="checkbox"/>		SV 027 (P)	CE 301 CE 304	Rail Car Aspiration (RC301, CY202, BH301)			2075	200		Ton	Hr	
77	EU 319	Active	PER 001		<input type="checkbox"/>		SV 056 (P)	CE 302	Pellet Tank #1 (PT1, BH350)			2075	6.0		Ton	Hr	
78	EU 321	Active	PER 001		<input checked="" type="checkbox"/>		SV 056 (P)	CE 302	Pellet Tank #2 (PT2, BH350)			2075	6.0		Ton	Hr	
79	EU 323	Active	EIS 001		<input type="checkbox"/>		SV 057 (M)	CE 303	Pellet Cooler (PC341, CY349)	Tecnostaal		2075	12		Ton	Hr	
80	EU 401	Active	EIS 001		<input type="checkbox"/>		SV 031 (M)	CE 401	DTDC (CY401)	Crown Iron Works		2075	2000		Ton	Day	
81	EU 402	Active	EIS 001		<input type="checkbox"/>		SV 029 (M)	CE 402	DTDC (CY402)	Crown Iron Works		2075	2000		Ton	Day	
82	EU 403	Active	EIS 001		<input type="checkbox"/>		SV 030 (M)	CE 403	DTDC (CY403)	Crown Iron Works		2075	2000		Ton	Day	

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
62	EU 263	Active	EIS 001	01/01/1993						
63	EU 267	Active	EIS 001	01/01/1995						
64	EU 269	Active	EIS 001	01/01/1975						
65	EU 271	Active	PER 001	01/01/1973					Whole Facility	
66	EU 275	Active	EIS 001	01/01/1970						
67	EU 301	Active	EIS 001	01/01/1993						
68	EU 305	Active	EIS 001	01/01/1970						
69	EU 307	Active	EIS 001	01/01/1975						
70	EU 308	Active	EIS 001	01/01/1993						
71	EU 309	Active	EIS 001	01/01/1975					Whole Facility	
72	EU 311	Active	PER 001	01/01/1975					Whole Facility	
73	EU 313	Active	EIS 001	01/01/1975					Whole Facility	
74	EU 315	Active	EIS 001	01/01/1975						
75	EU 317	Active	PER 001	01/01/1985					Whole Facility	
76	EU 318	Active	EIS 001	01/01/1996						
77	EU 319	Active	PER 001	01/01/1980						
78	EU 321	Active	PER 001	01/01/1980						
79	EU 323	Active	EIS 001	01/01/1996						
80	EU 401	Active	EIS 001	01/01/1985						
81	EU 402	Active	EIS 001	01/01/1985						
82	EU 403	Active	EIS 001	01/01/1985						



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
83	EU 601	Active	PER 001		<input type="checkbox"/>		SV 036 (P)	CE 603	Bottom Meal Recirc Conv (DC604, BH603)	Round Bottom	16	2075	68		Ton	Hr	
84	EU 603	Active	PER 001		<input type="checkbox"/>		SV 036 (P) SV 048 (P)	CE 603 CE 605	Flat Storage Conveyor (BC601, BH603, BH605)	Hi Roller	20Wx15H - 20x15H	2075	140.6		Ton	Hr	
85	EU 607	Active	PER 001		<input type="checkbox"/>		SV 036 (P)	CE 603	Meal Transfer Leg (EL602, BH603)	Gerber		2075	68		Ton	Hr	
86	EU 609	Active	PER 001		<input type="checkbox"/>		SV 036 (P) SV 041 (B)	CE 603	#4 Meal Tank (B4, BH603)	Brown Tank		2075	669		Ton		
87	EU 611	Active	PER 001		<input type="checkbox"/>		SV 036 (P) SV 042 (B)	CE 603	#5 Meal Tank (B5, BH603)	Brown Tank		2075	669		Ton		
88	EU 613	Active	PER 001		<input type="checkbox"/>		SV 036 (P) SV 043 (B)	CE 603	#6 Meal Tank (B6, BH603)	Brown Tank		2075	669		Ton		
89	EU 621	Active	EIS 001		<input type="checkbox"/>		SV 037 (M)	CE 606	#1 Hull Blower to Storage (PB301, CY601)	Md Pneumatics	4012-1713	2075	10		Ton	Hr	
90	EU 623	Active	EIS 001		<input type="checkbox"/>		SV 038 (M)	CE 601	Truck Loadout Tank (MHT150, BH601)			2075					
91	EU 625	Active	EIS 001		<input type="checkbox"/>		SV 039 (P)	CE 602	Loadout Collection Screw (SC615, BH602)	Screw Conv Inc	24	2075	156		Ton	Hr	
92	EU 627	Active	EIS 001		<input type="checkbox"/>		SV 039 (P)	CE 602	Loadout Screener (SN601, BH602)	Hays & Stolds	RSQA0790	2075	250		Ton	Hr	
93	EU 629	Active	EIS 001		<input type="checkbox"/>		SV 039 (P)	CE 602	Truck Loadout Aspiration (BH602)	R & R Sheet Metal		2075					
94	EU 631	Active	EIS 008		<input type="checkbox"/>		SV 044 (M)		#1 Mill Run Tank Vent (B1)			2075	150		Ton		
95	EU 633	Active	PER 001		<input type="checkbox"/>		SV 045 (M)		#1 Mill Run Tank Vent (B2)			2075	150		Ton		
96	EU 635	Active	PER 001		<input type="checkbox"/>		SV 046 (M)		#1 Mill Run Tank Vent (B3)			2075	150		Ton		
97	EU 643	Active	PER 001		<input type="checkbox"/>		SV 048 (P)	CE 605	Flat Storage Leg (EL604, BH605)	K L Willis		2075	60.0		Ton	Hr	
98	EU 645	Active	PER 001		<input type="checkbox"/>		SV 048 (P)	CE 605	Flat Storage Reclaim Conv (DC609, BH605)	Essmueller		2075	60		Ton	Hr	
99	EU 647	Active	EIS 001		<input type="checkbox"/>		SV 049 (M)	CE 604	Storage Bin Vent (BH604)			2075	5		Ton	Hr	
100	EU 702	Active	EIS 001		<input type="checkbox"/>		SV 051 (M)		Boiler #2	Cleaver Brooks	D-76	2075	66.7	Heat	Mmbtu	Hr	66.7
101	EU 703	Active	PER 001		<input type="checkbox"/>		SV 052 (M) SV 058 (B)		Boiler #3	Nebraska Boiler	NSF-2	2075	91.3	Heat	Mmbtu	Hr	91.3
102	EU 704	Active	PER 003		<input type="checkbox"/>		SV 060 (M)	CE 614	Amino Dryer			2075	30	Bean	Ton	Hr	
103	EU 705	Active	PER 003		<input type="checkbox"/>		SV 061 (M)	CE 613	Amino Cooler	MAC	Custom	2075	30	Bean	Ton	Hr	

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
83	EU 601	Active	PER 001	01/01/1985						
84	EU 603	Active	PER 001	01/01/1984						
85	EU 607	Active	PER 001	01/01/1975						
86	EU 609	Active	PER 001	01/01/1975						
87	EU 611	Active	PER 001	01/01/1975						
88	EU 613	Active	PER 001	01/01/1975						
89	EU 621	Active	EIS 001	01/01/1975						
90	EU 623	Active	EIS 001	01/01/1990						
91	EU 625	Active	EIS 001	01/01/1990						
92	EU 627	Active	EIS 001	01/01/1990						
93	EU 629	Active	EIS 001	01/01/1990						
94	EU 631	Active	EIS 008	01/01/1975						
95	EU 633	Active	PER 001	01/01/1975						
96	EU 635	Active	PER 001	01/01/1975						
97	EU 643	Active	PER 001	01/01/1970						
98	EU 645	Active	PER 001	01/01/1970						
99	EU 647	Active	EIS 001	01/01/1970						
100	EU 702	Active	EIS 001	01/01/1972				1		
101	EU 703	Active	PER 001	01/01/1978				1		
102	EU 704	Active	PER 003							
103	EU 705	Active	PER 003							



FACILITY DESCRIPTION: EMISSION UNIT (EU)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Emission Unit Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Stack/Vent ID No(s).	Control Equip. ID No(s).	Operator Description	Manufacturer	Model Number	SIC	Max. Design Capacity	Maximum Design Capacity			Max Fuel Input (mil Btu)
														Materials	Units n	Units d	
104	EU 706	Active	PER 003		<input type="checkbox"/>		SV 062 (M)		Amino Cooker	Crown	Custom	2075	30	Bean	Ton	Hr	
105	EU 707	Active	PER 003		<input type="checkbox"/>		SV 063 (M)		Meal Day Bin		Custom	2075	50	Bean	Ton	Hr	
106	EU 708	Active	PER 003		<input type="checkbox"/>		SV 064 (M)		Hulls Day Bin		Custom	2075	50	Bean	Ton	Hr	
107	EU 709	Active	PER 003		<input type="checkbox"/>		SV 065 (M)		Amino Start Up Bin		Custom	2075	50	Bean	Ton	Hr	
108	EU 710	Active	PER 003		<input type="checkbox"/>		SV 066 (M)		Amino Meal Storage Bin	Lading	Custom	2075	50	Bean	Ton	Hr	
109	EU 711	Active	PER 003		<input type="checkbox"/>		SV 059 (M)	CE 615	Wet Bean Storage Bin (TZ-1587)	Brock	132	2075	1180000	Bean	Bushel		
110	EU 712	Active	PER 003		<input type="checkbox"/>		SV 059 (M)	CE 615	Fill Belt Conveyor (CB-1586)	High Roller	Highlife 42	2075	25000	Bean	Bushel	Hr	
111	EU 713	Active	PER 003		<input type="checkbox"/>		SV 059 (M)	CE 615	Drag Conveyor 1 (CD-1590)	Tramco	G36 x 26	2075	25000	Bean	Bushel	Hr	
112	EU 714	Active	PER 003		<input type="checkbox"/>		SV 059 (M)	CE 615	Drag Conveyor 2 (CD-1592)	Tramco	G36 x 26	2075	25000	Bean	Bushel	Hr	
113	EU 715	Active	PER 003		<input type="checkbox"/>		SV 004 (M)	CE 103	Top Drag Conveyor (CD-1575)	Tramco	G42 x 32	2075	25000	Bean	Bushel	Hr	
114	EU 716	Active	PER 003		<input type="checkbox"/>		SV 004 (M)	CE 103	North Drag Conveyor (CD-1576)	Tramco	G42 x 32	2075	25000	Bean	Bushel	Hr	
115	EU 717	Active	PER 003		<input type="checkbox"/>		SV 004 (M)	CE 103	South Drag Conveyor (CD-1577)	Tramco	G42 x 32	2075	25000	Bean	Bushel	Hr	
116	EU 718	Active	PER 003		<input type="checkbox"/>		SV 067 (M)		Emergency Fire Pump Engine (Fire Pump Engine #2)	John Deere	JW6H-UFAD80	2075	422		BHp		2.954

FACILITY DESCRIPTION: EMISSION UNIT (EU)

	ID No.	Emission Unit Status	Added By (Action)	Commence Const. Date	Initial Startup Date	Removal Date	Firing Method	Pct. Fuel/ Space Heat	Bottleneck	Elevator Type
104	EU 706	Active	PER 003							
105	EU 707	Active	PER 003							
106	EU 708	Active	PER 003							
107	EU 709	Active	PER 003							
108	EU 710	Active	PER 003							
109	EU 711	Active	PER 003	03/26/2012	03/26/2012					
110	EU 712	Active	PER 003	03/26/2012	03/26/2012					
111	EU 713	Active	PER 003	03/26/2012	03/26/2012					
112	EU 714	Active	PER 003	03/26/2012	03/26/2012					
113	EU 715	Active	PER 003	03/26/2012	03/26/2012					
114	EU 716	Active	PER 003	03/26/2012	03/26/2012					
115	EU 717	Active	PER 003	03/26/2012	03/26/2012					
116	EU 718	Active	PER 003	09/01/2010	03/01/2011					



FACILITY DESCRIPTION: STORAGE TANKS (TK)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Tank Status	Added By (Action)	Retired By (Action)	Insignificant Activity	Operator ID for Item	Control Equip. ID No(s).	Product Stored	Interior Height (ft.)	Interior Diameter (ft.)	Capacity (1000 gal)	Construction Type
1	TK 001	Active	PER 001		<input type="checkbox"/>			#6 fuel oil	36	22	100.22	Fixed Roof
2	TK 002	Active	PER 001		<input type="checkbox"/>			#6 fuel oil	36	32	216.25	Fixed Roof
3	TK 003	Active	PER 001		<input type="checkbox"/>			Hexane	36	11	19.0	Underground
4	TK 004	Active	PER 001		<input type="checkbox"/>			Hexane	36	11	19.0	Underground

FACILITY DESCRIPTION: STORAGE TANKS (TK)

	ID No.	Tank Status	Added By (Action)	Support Type (floating roof only)	Column Count	Column Diameter (ft.)	Deck Type (floating roof only)	Seal Type (floating roof only)	Year Installed	Year Removed
1	TK 001	Active	PER 001						1975	
2	TK 002	Active	PER 001						1975	
3	TK 003	Active	PER 001						1998	
4	TK 004	Active	PER 001						1998	



FACILITY DESCRIPTION: FUGITIVE SOURCES (FS)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Fugitive Source Status	Added By (Action)	Retired By (Action)	Insignif-icant Activity	Operator ID for Item	Pollutant(s) Emitted	Control Equip. ID No(s).	Fugitive Source Description	Year Installed	Year Removed
1	FS 008	Active	EIS 001		<input type="checkbox"/>		PM		Truck Dump for Beans (North)		
2	FS 009	Active	EIS 001		<input type="checkbox"/>		PM		Truck Dump for Beans (South)		
3	FS 010	Active	EIS 001		<input type="checkbox"/>		PM		Dust Truck Loadout Spout (Pangborn)		
4	FS 014	Active	EIS 001		<input type="checkbox"/>		PM		Dust Truck Loadout Spout (Tub)		
5	FS 015	Active	EIS 001		<input type="checkbox"/>		PM		Dust Bin System		
6	FS 028	Active	EIS 001		<input type="checkbox"/>		PM		Meal Rail Loadout Spout		
7	FS 040	Active	EIS 001		<input type="checkbox"/>		PM		Truck Loadout Shed		
8	FS 047	Active	EIS 001		<input type="checkbox"/>		PM		Meal Loadout Spout (SS Pit)		
9	FS 048	Active	PER 001		<input type="checkbox"/>		VOC		Facility n-Hexane Emissions		
10	FS 049	Active	PER 001		<input type="checkbox"/>		PM		Paved Roads		
11	FS 050	Active	PER 001		<input type="checkbox"/>		PM10		Paved Roads		



FACILITY DESCRIPTION: GROUPS (GP)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Group Status	Added By (Action)	Retired By (Action)	Include in EI	Operator ID for Item	Group Description	Group Items
1	GP 001	Active	PER 001		<input type="checkbox"/>		Cyclone Units	CE 203, CE 208, CE 210, CE 303, CE 401, CE 402, CE 403, CE 606
2	GP 002	Active	PER 001		<input type="checkbox"/>		Combustion Sources	EU 163, EU 165, EU 702, EU 703
3	GP 003	Active	PER 001		<input type="checkbox"/>		DT/DC Dryers with Coolers	CE 401, CE 402, EU 401, EU 402, SV 029, SV 031

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

Show: Active and Pending Records

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
EU 163							
	Carbon Dioxide Equivalent	PER 003			1.01E+04		
	Methane	PER 003			1.91E-01		
	Carbon Monoxide	PER 001		1.58E+00	6.94E+00	6.94E+00	
	Carbon Dioxide	PER 003			1.01E+04		
	Nitrous Oxide	PER 003			1.90E-02		
	Nitrogen Oxides	PER 001		1.89E+00	8.26E+00	8.26E+00	
	Sulfur Dioxide	PER 001		1.10E-02	5.00E-02	5.00E-02	
	Volatile Organic Compounds	PER 001		1.04E-01	4.54E-01	4.54E-01	
EU 165							
	Carbon Dioxide Equivalent	PER 003			9.46E+03		
	Methane	PER 003			1.78E-01		
	Carbon Monoxide	PER 001		1.48E+00	6.48E+00	6.48E+00	
	Carbon Dioxide	PER 003			9.45E+03		
	Nitrous Oxide	PER 003			1.80E-02		
	Nitrogen Oxides	PER 001		1.76E+00	7.72E+00	7.72E+00	
	Sulfur Dioxide	PER 001		1.10E-02	4.60E-02	4.60E-02	
	Volatile Organic Compounds	PER 001		9.70E-02	4.24E-01	4.24E-01	
EU 702							
	Carbon Dioxide Equivalent	PER 003			3.41E+04		
	Methane	PER 003			6.43E-01		
	Carbon Monoxide	PER 001		5.34E+00	2.34E+01	1.85E+01	
	Carbon Dioxide	PER 003			3.41E+04		
	Nitrous Oxide	PER 003			6.40E-02		
	Nitrogen Oxides	PER 001		6.35E+00	2.78E+01	2.20E+01	
	PM < 10 micron	PER 001		4.83E-01	2.12E+00	1.67E+00	
	Total Particulate Matter	PER 001		4.83E-01	2.12E+00	1.67E+00	
	Sulfur Dioxide	PER 001		3.80E-02	1.67E-01	1.32E-01	
	Volatile Organic Compounds	PER 001		3.49E-01	1.53E+00	1.21E+00	
EU 703							
	Carbon Dioxide Equivalent	PER 003			6.63E+04		
	Methane	PER 003			2.64E+00		
	Carbon Monoxide	PER 001		3.09E-01	1.33E+01	1.35E+00	
	Carbon Dioxide	PER 003			6.61E+04		
	Nitrous Oxide	PER 003			5.28E-01		
	Nitrogen Oxides	PER 001		5.02E+00	3.81E+01	2.20E+01	
	PM < 10 micron	PER 001		7.53E-01	3.25E+01	3.30E+00	
	Total Particulate Matter	PER 001		8.58E-01	3.71E+01	3.76E+00	
	Sulfur Dioxide	PER 001		9.82E+00	4.24E+02	4.30E+01	
	Volatile Organic Compounds	PER 001		1.40E-02	7.46E-01	7.60E-02	
EU 718							
	Acetaldehyde	PER 003		2.27E-03	5.66E-04	5.66E-04	
	Acrolein	PER 003		2.73E-04	6.83E-05	6.83E-05	
	Benzene	PER 003		2.76E-03	6.89E-04	6.89E-04	
	1,3-Butadiene	PER 003		1.16E-04	2.89E-05	2.89E-05	
	Carbon Dioxide Equivalent	PER 003			1.21E+02		
	Methane	PER 003			5.00E-03		

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

Show: Active and Pending Records

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
EU 718							
	Carbon Monoxide	PER 003		6.00E-01	6.00E-01	6.00E-01	
	Carbon Dioxide	PER 003			1.20E+02		
	Formaldehyde	PER 003		3.49E-03	8.71E-04	8.71E-04	
	Naphthalene	PER 003		2.50E-04	6.26E-05	6.26E-05	
	HAPs - Total	PER 003		1.12E-02	2.80E-03	2.80E-03	
	Toluene	PER 003		1.21E-03	3.02E-04	3.02E-04	
	Xylenes (mixed isomers)	PER 003		8.42E-04	2.10E-04	2.10E-04	
	Nitrous Oxide	PER 003			1.00E-03		
	Nitrogen Oxides	PER 003		2.79E+00	7.00E-01	7.00E-01	
	PM < 2.5 micron	PER 003		8.50E-01	2.10E-01	2.10E-01	
	PM < 10 micron	PER 003		8.50E-01	2.10E-01	2.10E-01	
	Total Particulate Matter	PER 003		8.50E-01	2.10E-01	2.10E-01	
	Sulfur Dioxide	PER 003		7.90E-01	2.00E-01	2.00E-01	
	Volatile Organic Compounds	PER 003		9.90E-01	2.50E-01	2.50E-01	
FS 008							
	PM < 10 micron	PER 001		8.00E-02	1.67E-01	1.67E-01	
	Total Particulate Matter	PER 001		3.41E-01	7.50E-01	7.50E-01	
FS 009							
	PM < 10 micron	PER 001		8.00E-02	1.67E-01	1.67E-01	
	Total Particulate Matter	PER 001		3.41E-01	7.50E-01	7.50E-01	
FS 010							
	PM < 10 micron	PER 001		6.00E-03	7.00E-03	7.00E-03	
	Total Particulate Matter	PER 001		2.70E-02	3.00E-02	3.00E-02	
FS 014							
	PM < 10 micron	PER 001		3.20E-02	3.50E-02	3.50E-02	
	Total Particulate Matter	PER 001		2.10E-01	2.30E-01	2.30E-01	
FS 015							
	PM < 10 micron	PER 001		6.25E-01	2.74E+00	2.74E+00	
	Total Particulate Matter	PER 001		2.50E+00	1.10E+01	7.12E+00	
FS 028							
	PM < 10 micron	PER 001		6.50E-01	2.85E+00	2.85E+00	
	Total Particulate Matter	PER 001		4.40E+00	1.93E+01	1.55E+01	
FS 040							
	PM < 10 micron	PER 001		2.90E-02	1.25E-01	1.25E-01	
	Total Particulate Matter	PER 001		5.80E-01	8.50E-01	8.50E-01	
FS 047							
	PM < 10 micron	PER 001		1.03E+00	4.51E+00	4.51E+00	
	Total Particulate Matter	PER 001		6.94E+00	3.04E+01	3.04E+01	
FS 048							
	Hexane	PER 001		6.17E+01	2.70E+02	2.70E+02	
	Volatile Organic Compounds	PER 001		9.64E+01	4.22E+02	4.22E+02	
FS 049							
	Total Particulate Matter	PER 001		1.57E-01	6.90E-01	6.90E-01	

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

Show: Active and Pending Records

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
FS 050							
	PM < 10 micron	PER 001		3.00E-02	1.30E-01	1.30E-01	
GP 002							
	Carbon Dioxide Equivalent	PER 003		1.37E+04		5.98E+04	
	Methane	PER 003		2.90E-01		1.27E+00	
	Carbon Dioxide	PER 003		1.36E+04		5.97E+04	
	Nitrous Oxide	PER 003		3.42E-02		1.50E-01	
SV 001							
	PM < 10 micron	PER 001		1.81E-01	3.76E+00	7.90E-01	
	Total Particulate Matter	PER 001		2.70E-01	5.65E+00	1.19E+00	
SV 002							
	PM < 10 micron	PER 001		4.40E-02	1.94E-01	1.94E-01	
	Total Particulate Matter	PER 001		5.70E-02	2.50E-01	2.50E-01	
SV 003							
	PM < 10 micron	PER 001		1.81E-01	3.76E+00	7.90E-01	
	Total Particulate Matter	PER 001		2.72E-01	5.65E+00	1.19E+00	
SV 004							
	PM < 10 micron	PER 001		1.59E-01	7.08E+00	7.00E-01	
	Total Particulate Matter	PER 001		2.50E-01	1.11E+01	1.10E+00	
SV 005							
	PM < 10 micron	PER 001		3.30E-01	8.65E+00	1.43E+00	
	Total Particulate Matter	PER 001		4.50E-01	1.20E+01	1.97E+00	
SV 006							
	PM < 10 micron	PER 001		2.17E-01	1.00E+00	9.50E-01	
	Total Particulate Matter	PER 001		3.00E-01	1.75E+00	1.31E+00	
SV 007							
	PM < 10 micron	PER 001		2.16E-01	1.26E+00	9.50E-01	
	Total Particulate Matter	PER 001		3.60E-01	2.10E+00	1.58E+00	
SV 011							
	PM < 10 micron	PER 001		1.77E-01	2.59E+00	7.80E-01	
	PM < 10 micron	PER 003					
	Total Particulate Matter	PER 001		3.20E-01	4.68E+00	1.40E+00	
	Total Particulate Matter	PER 003					
SV 012							
	PM < 10 micron	PER 001		4.58E-01	1.03E+01	2.01E+00	
	Total Particulate Matter	PER 001		8.23E-01	1.86E+01	3.61E+00	
SV 013							
	PM < 10 micron	PER 001		6.30E-02	2.74E-01	2.74E-01	
	Total Particulate Matter	PER 001		2.50E-01	1.10E+00	1.10E+00	
SV 016							
	PM < 10 micron	PER 001		8.20E-02	3.61E-01	3.61E-01	
	Total Particulate Matter	PER 001		3.30E-01	1.45E+00	1.45E+00	
SV 017							
	PM < 10 micron	PER 001		8.20E-02	3.61E-01	3.61E-01	

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

Show: Active and Pending Records

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
SV 017							
	Total Particulate Matter	PER 001		3.30E-01	1.45E+00	1.45E+00	
SV 018							
	PM < 10 micron	PER 002		7.16E-01	3.13E+00	3.13E+00	
	Total Particulate Matter	PER 002		7.16E-01	3.13E+00	3.13E+00	
SV 019							
	PM < 10 micron	PER 001		4.80E-01	2.12E+00	2.12E+00	
	Total Particulate Matter	PER 001		7.02E-01	3.07E+00	3.07E+00	
SV 020							
	PM < 10 micron	PER 001		4.50E-01	2.34E+00	1.97E+00	
	PM < 10 micron	PER 003		6.27E-01	4.93E+00	2.75E+00	
	Total Particulate Matter	PER 001		7.08E-01	4.00E+00	3.10E+00	
	Total Particulate Matter	PER 003		1.03E+00	8.68E+00	4.50E+00	
SV 021							
	PM < 10 micron	PER 001		2.00E-03	2.70E-02	1.00E-02	
	Total Particulate Matter	PER 001		3.00E-03	4.00E-02	1.50E-02	
SV 022							
	PM < 10 micron	PER 001		1.70E+00	7.45E+00	7.45E+00	
	Total Particulate Matter	PER 001		3.05E+00	1.34E+01	1.34E+01	
SV 023							
	PM < 10 micron	PER 001		1.36E+00	5.96E+00	5.96E+00	
	Total Particulate Matter	PER 001		2.44E+00	1.07E+01	1.07E+01	
SV 024							
	PM < 10 micron	PER 001		5.40E-02	2.37E-01	2.37E-01	
	Total Particulate Matter	PER 001		9.00E-02	3.90E-01	3.90E-01	
SV 027							
	PM < 10 micron	PER 001		2.31E+00	1.09E+01	1.01E+01	
	Total Particulate Matter	PER 001		2.31E+00	1.09E+01	1.01E+01	
SV 029							
	PM < 10 micron	PER 001		9.80E-01	4.30E+00	4.30E+00	
	Total Particulate Matter	PER 001		1.22E+00	5.32E+00	5.32E+00	
SV 030							
	PM < 10 micron	PER 001		1.52E+00	6.67E+00	6.67E+00	
	Total Particulate Matter	PER 001		1.92E+00	8.40E+00	8.40E+00	
SV 031							
	PM < 10 micron	PER 001		9.80E-01	4.30E+00	4.30E+00	
	Total Particulate Matter	PER 001		1.22E+00	5.32E+00	5.32E+00	
SV 036							
	PM < 2.5 micron	PER 003		1.71E-01	7.50E-01	7.50E-01	
	PM < 10 micron	PER 001		1.60E-01	8.02E-01	7.00E-01	
	PM < 10 micron	PER 003		1.71E-01	7.50E-01	7.50E-01	
	Total Particulate Matter	PER 001		2.60E-01	1.32E+00	1.15E+00	
	Total Particulate Matter	PER 003		3.43E-01	1.50E+00	1.50E+00	

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

Show: Active and Pending Records

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
SV 037							
	PM < 10 micron	PER 001		2.10E-01	2.60E+00	9.10E-01	
	Total Particulate Matter	PER 001		3.00E-01	3.72E+00	1.31E+00	
SV 038							
	PM < 10 micron	PER 001		5.00E-02	3.45E-01	2.35E-01	
	Total Particulate Matter	PER 001		1.33E-01	8.60E-01	5.90E-01	
SV 039							
	PM < 10 micron	PER 001		7.70E-01	6.44E+00	3.38E+00	
	Total Particulate Matter	PER 001		1.35E+00	1.13E+01	5.91E+00	
SV 041							
	PM < 10 micron	PER 001		4.90E-01	2.17E+00	2.17E+00	
	Total Particulate Matter	PER 001		1.98E+00	8.67E+00	8.67E+00	
SV 042							
	PM < 10 micron	PER 001		4.90E-01	2.17E+00	2.17E+00	
	Total Particulate Matter	PER 001		1.98E+00	8.67E+00	8.67E+00	
SV 043							
	PM < 10 micron	PER 001		4.90E-01	2.17E+00	2.17E+00	
	Total Particulate Matter	PER 001		1.98E+00	8.67E+00	8.67E+00	
SV 044							
	PM < 10 micron	PER 001		1.20E-01	5.32E-01	5.32E-01	
	Total Particulate Matter	PER 001		4.90E-01	2.13E+00	2.13E+00	
SV 045							
	PM < 10 micron	PER 001		1.20E-01	5.32E-01	5.32E-01	
	Total Particulate Matter	PER 001		4.90E-01	2.13E+00	2.13E+00	
SV 046							
	PM < 10 micron	PER 001		1.20E-01	5.32E-01	5.32E-01	
	Total Particulate Matter	PER 001		4.90E-01	2.13E+00	2.13E+00	
SV 048							
	PM < 10 micron	PER 001		5.00E-02	2.75E-01	2.25E-01	
	Total Particulate Matter	PER 001		9.00E-02	4.58E-01	4.58E-01	
SV 049							
	PM < 10 micron	PER 001		1.00E-03	3.00E-03	3.00E-03	
	Total Particulate Matter	PER 001		3.00E-03	1.10E-02	1.10E-02	
SV 055							
	PM < 10 micron	PER 001		4.60E-01	2.03E+00	2.03E+00	
	Total Particulate Matter	PER 001		7.60E-01	3.33E+00	3.33E+00	
SV 056							
	PM < 10 micron	PER 001		1.00E-03	3.00E-03	3.00E-03	
	Total Particulate Matter	PER 001		3.00E-03	3.00E-03	1.30E-02	
SV 057							
	PM < 10 micron	PER 001		6.00E-02	2.76E-01		
	Total Particulate Matter	PER 001			1.30E-01	5.52E-01	
SV 059							
	PM < 2.5 micron	PER 003		1.03E-01	4.50E-01	4.50E-01	

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

Show: Active and Pending Records

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

Item	Pollutant	Added By (Action)	Retired By (Action)	Hourly Potential (lbs per hr)	Unrestricted Potential (tons per yr)	Limited Potential (tons per yr)	Actual Emissions (tons per yr)
SV 059							
	PM < 10 micron	PER 003		1.03E-01	4.50E-01	4.50E-01	
	Total Particulate Matter	PER 003		1.03E-01	4.50E-01	4.50E-01	
SV 060							
	PM < 2.5 micron	PER 003		3.10E-01	4.53E+01	1.36E+00	
	PM < 10 micron	PER 003		8.24E-01	1.20E+02	3.61E+00	
	Total Particulate Matter	PER 003		9.00E-01	1.97E+02	3.94E+00	
SV 061							
	PM < 2.5 micron	PER 003		2.48E-01	1.09E+01	1.09E+00	
	PM < 10 micron	PER 003		3.46E-01	2.16E+01	1.51E+00	
	Total Particulate Matter	PER 003		3.51E-01	3.08E+01	1.54E+00	
SV 062							
	PM < 2.5 micron	PER 003		5.00E-03	2.10E-02	2.10E-02	
	PM < 10 micron	PER 003		1.30E-02	5.70E-02	5.70E-02	
	Total Particulate Matter	PER 003		2.10E-02	9.00E-02	9.00E-02	
SV 063							
	PM < 2.5 micron	PER 003		3.00E-03	1.30E-02	1.30E-02	
	PM < 10 micron	PER 003		1.00E-02	4.50E-02	4.50E-02	
	Total Particulate Matter	PER 003		1.30E-02	6.00E-02	5.60E-02	
SV 064							
	PM < 2.5 micron	PER 003		2.00E-02	8.60E-02	8.60E-02	
	PM < 10 micron	PER 003		1.00E-01	3.00E-01	3.00E-01	
	Total Particulate Matter	PER 003		1.00E-01	3.80E-01	3.80E-01	
SV 065							
	PM < 2.5 micron	PER 003		3.00E-03	1.30E-02	1.30E-02	
	PM < 10 micron	PER 003		1.00E-02	4.50E-02	4.50E-02	
	Total Particulate Matter	PER 003		1.30E-02	6.00E-02	5.60E-02	
SV 066							
	PM < 2.5 micron	PER 003		9.00E-03	3.70E-02	3.70E-02	
	PM < 10 micron	PER 003		3.00E-02	1.30E-01	1.30E-01	
	Total Particulate Matter	PER 003		4.00E-02	1.60E-01	1.60E-01	



MINNESOTA POLLUTION CONTROL AGENCY
AIR QUALITY
520 LAFAYETTE ROAD
ST. PAUL, MN 55155-4194

11 March, 2013 15:49

FACILITY DESCRIPTION: CONTINUOUS MONITORS (MR)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	Monitor Status	Added By (Action)	Retired By (Action)	Monitored Item (ID No(s).)	Operator ID for Item	Monitor Description	Manufacturer	Model Number	Serial Number	Parameters Monitored
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FACILITY DESCRIPTION: CONTINUOUS MONITORS (MR)

	ID No.	Monitor Status	Added By (Action)	Span Value	System Full- Scale Value	Bypass Capa- bility?	Optical Path Length Ratio	Installation Date	Removal Date
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MINNESOTA POLLUTION CONTROL AGENCY
AIR QUALITY
520 LAFAYETTE ROAD
ST. PAUL, MN 55155-4194

11 March, 2013 15:48

FACILITY DESCRIPTION: DATA ACQUISITION SYSTEMS (DA)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	DAS Status	Added By (Action)	Retired By (Action)	Operator ID for Item	Data Acquisition System Description	Manufacturer	Model Number	Serial Number	Data Storage Medium	Installation Date	Removal Date
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FACILITY DESCRIPTION: CONTINUOUS MONITORING SYSTEMS (CM)

Show: Active and Pending Records

Action: PER 003

AQD Facility ID: 07300002

Facility Name: Ag Processing Inc - Dawson

	ID No.	CMS Status	Added By (Action)	Retired By (Action)	Monitor ID No(s).	DAS ID No(s).	Operator ID for Item	CMS Description	Parameter	Month/ Year Installed	Month/ Year Removed	Cert. Date	Cert. Basis
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ATTACHMENT 3

CD-01 FORMS

(Available Electronically in Delta)



COMPLIANCE PLAN **CD-01**

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Subject Item: Total Facility

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. TOTAL FACILITY OPERATIONAL LIMITATION
2.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Production: less than or equal to 854,100 tons/year using 12-month Rolling Sum based on Soybeans received.
3.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Production: less than or equal to 788,400 tons/year using 12-month Rolling Sum based on Soybeans crushed.
4.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Capacity: less than 12,000 tons/year using 12-month Rolling Sum based on outdoor piles beans storage.
5.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Hexane: less than or equal to 149,470 gallons/year using 12-month Rolling Sum based on Hexane usage.
6.0		CD	hdr	B. RECORDKEEPING FOR OPERATIONAL LIMITATION
7.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 5	Monthly Recordkeeping of Production: Calculate and record by the 15th day of each month for the previous month and the 12-month Rolling Sum of the soybeans received and crushed.
8.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 5	Monthly Recordkeeping of Capacity: Calculate and record by the 15th day of each month for the previous month and the 12-month Rolling Sum of the outdoor storage piles bean storage.
9.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21; Minn. R. 7007.0800, subp. 5	Monthly Recordkeeping of Hexane: Calculate and record by the 15th day of each month for the previous month and the 12-month Rolling Sum of the hexane loss.
10.0		CD	hdr	C. OPERATIONAL REQUIREMENTS
11.0		CD	40 CFR pt. 50; Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, supbs. 7A, 7L & 7M; Minn. R. 7007.0800, subps. 1, 2 & 4; Minn. R. 7009.0100-7009.0080.	The Permittee shall comply and upon written request demonstrate compliance, with National Primary and Secondary Ambient Air Quality Standards, 40 CFR pt. 50, and the Minnesota Ambient Air Quality Standards, Minn. R. 7009.0010 to 7009.0080.
12.0		CD	Minn. R. 7011.0020	Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted.
13.0		CD	Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)	Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment. 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.
14.0		CD	Minn. R. 7019.1000, subp. 4	Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate.



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15.0		CD	Minn. R. 7011.0150	Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150.
16.0		S/A	Minn. Stat. Section 116.07, subd. 4a; Minn. R. 7007.0100; Minn. R. 7007.0800, subp. 2; Minn. R. 7011.0150; Minn. R. 7009.0020	Fugitive Emissions Control Plan: due 60 days after 02/05/2004 to the Commissioner for review and approval. The Permittee shall follow the actions and recordkeeping specified. The plan may be amended by the Permittee with the Commissioner approval. If the Commissioner determines the Permittee is out of compliance with Minn. R. 7011.0150 or the fugitive control plan, then the Permittee may be required to amend the control plan and/or to install and operate particulate matter ambient monitors as requested by the Commissioner. The plan was received by the MPCA on April 14, 2004.
17.0		CD	Minn. R. 7007.0800, subp. 9(A)	Inspections: Upon presentation of credentials and other documents as may be required by law, allow the Agency, or its representative, to enter the Permittee's premises to have access to and copy any records required by this permit, to inspect at reasonable times (which include any time the source is operating) any facilities, equipment, practices or operations, and to sample or monitor any substances or parameters at any location.
18.0		CD	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)	Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, unless otherwise noted in Table A.
19.0		CD	Minn. R. 7030.0010 - 7030.0080	Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement and is not federally enforceable.
20.0		CD	Minn. R. 7007.0800, subp. 16	The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.
21.0		CD	hdr	D. MONITORING REQUIREMENTS
22.0		CD	Minn. R. 7007.0800, subp. 4(D)	Monitoring Equipment Calibration: Annually calibrate all required monitoring equipment (any requirements applying to continuous emission monitors are listed separately in this permit).
23.0		CD	Minn. R. 7007.0800, subp. 4(D)	Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, or during checks of the monitoring systems, such as calibration checks and zero and span adjustments. If monitoring records are required, they should reflect any such periods of process shutdown or checks of the monitoring system.
24.0		CD	hdr	E. PERFORMANCE TESTING REQUIREMENTS
25.0		CD	Minn. R. ch. 7017	Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in Tables A, B, and/or C.
26.0		CD	Minn. R. 7017.2030, subp. 1-4 and Minn. R. 7017.2035, subp. 1-2	Performance Test Notifications and Submittals: Performance Tests are due as outlined in Tables A and B of the permit. See Table B for additional testing requirements. Performance Test Notification (written): due 30 days before each Performance Test Performance Test Plan: due 30 days before each Performance Test Performance Test Pre-test Meeting: due 7 days before each Performance Test Performance Test Report: due 45 days after each Performance Test Performance Test Report - Microfiche Copy: due 105 days after each Performance Test The Notification, Test Plan, and Test Report may be submitted in alternative format as allowed by Minn. R. 7017.2018.
27.0		CD	Minn. R. 7017.2025	Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as specified by Minn. R. 7017.2025 following formal review of a subsequent performance test on the same unit.
28.0		CD	hdr	F. RECORDKEEPING
29.0		CD	Minn. R. 7007.0800, subp. 5(B)	Recordkeeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007. 1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350 subp. 2), including records of the emissions resulting from those changes.



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30.0		CD	Minn. R. 7007.0800, subp. 5(C)	Recordkeeping: Retain all records at the stationary source, or a designated site, for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at the stationary source, or a designated site, include all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A).
31.0		CD	hdr	G. REPORTING/SUBMITTALS
32.0		CD	Minn. R. 7019.1000, subp. 3	Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3. At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.
33.0		CD	Minn. R. 7019.1000, subp. 2	Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2. At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.
34.0		CD	Minn. R. 7019.1000, subp. 1	Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment.
35.0		CD	Minn. R. 7019.1000, subp. 1	Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description: 1. the cause of the deviation; 2. the exact dates of the period of the deviation, if the deviation has been corrected; 3. whether or not the deviation has been corrected; 4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and 5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.
36.0		CD	Minn. R. 7007.1150 through Minn. R. 7007.1500	Application for Permit Amendment: If a permit amendment is needed, submit an application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed.
37.0		S/A	Minn. R. 7007.0400, subp. 3	Application for Permit Reissuance: due 180 days before expiration of Existing Permit
38.0		CD	Minn. R. 7007.1400, subp. 1(H)	Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H).
39.0		S/A	Minn. R. 7007.0800, subp. 6(A)(2)	Semiannual Deviations Report: due 30 days after end of each calendar half-year starting 02/05/2004. The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31. If no deviations have occurred, the Permittee shall submit the report stating no deviations.
40.0		S/A	Minn. R. 7007.0800, subp. 6(C)	Compliance Certification: due 31 days after end of each calendar year starting 02/05/2004 (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner and to the US EPA regional office in Chicago. The report covers all deviations experienced during the calendar year.



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41.0		CD	Minn. R. 7019.3000 through Minn. R. 7019.3100	Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance. To be submitted on a form approved by the Commissioner.
42.0		CD	Minn. R. 7002.0005 through Minn. R. 7002.0095	Emission Fees: due 60 days after receipt of an MPCA bill.
43.0		CD	hdr	H. NESHAP REQUIREMENTS
44.0		CD	40 CFR Part 63 MACT Subpart GGGG: Solvent Extraction for Vegetable Oil Production	The Permittee shall comply with the applicable provisions below based on 40 CFR Section 63, subpart GGGG, Solvent Extraction for Vegetable Oil Production by April 12, 2004, compliance date of the MACT or any alternative date that US EPA approves.
45.0		CD	40 CFR Sections 63.40 to 63.44; Minn. R. 7007.3010	The Permittee shall not "construct" or "reconstruct" a major source of hazardous air pollutants as defined in 40 CFR Section 63.2, without first obtaining a preconstruction permit.
46.0		CD	hdr	I. EMISSION LIMITS FOR NESHAP
47.0		CD	40 CFR Section 63.2840 (c)	Compliance Ratio: less than or equal to 1.00 for the previous operating month.
48.0		CD	40 CFR Section 63.2840	Compliance Ratio= $[f * (\text{Actual Solvent Loss})] / [0.64 * \text{Allowable Solvent Loss}]$ Where: f = the weighted average volume fraction of HAP in solvent received during the previous 12 operating months, dimensionless. 0.64 = The average volume fraction of HAP in solvent in the baseline performance data, dimensionless. Actual Solvent Loss = Quantity of actual solvent loss during previous 12 operating months (gallons) Allowable Solvent Loss = Quantity of soybeans during the pervious 12 operating months (tons) multiplied by [0.2 (gallons /ton) Oilseed solvent loss factor]
49.0		CD	hdr	J. GENERAL CALCULATIONS FOR NESHAP
50.0		CD	40 CFR Section 63.2840	Compliance Ratio Calculation: By the end of each calendar month following an operating month, calculate the compliance ratio for the previous 12 operating months. An operating month is any calendar month with at least one normal operating period. It does not include malfunction period. A normal operating period is defined in 40 CFR Section 63.2872.
51.0		CD	40 CFR Section 63.2853	Calculation-Actual Solvent loss: By the end of each calendar month following an operating month, calculate the actual extraction solvent loss during the previous operating month using the following. Monthly Actual Solvent (gal) = Summation from i = 1 to n (SOLVb - SOLVe + SOLVr +/- SOLVa) Where: SOLVb = Gallons of solvent in the inventory at the beginning of normal operating period "i" as determined in paragraph (a)(3) of this section. SOLVe = Gallons of solvent in the inventory at the end of normal operating period "i" as determined in 40 CFR Section 63.2853(a)(3). SOLVr = Gallons of solvent received between the beginning and ending inventory dates of normal operating period "i" as determined in 40 CFR 63.2853(a)(4). SOLVa = Gallons of solvent added or removed from the extraction solvent inventory during normal operating period "i" as determined in 40 CFR 63.2853(a)(5), n = Number of normal operating periods in a calendar month.
52.0		CD	40 CFR Section 63.2853	Calculation - 12-month Rolling Sum of actual solvent loss: The owner or operator shall calculate the 12-month rolling sum actual solvent loss by summing the 12 most recent actual monthly solvent losses.



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53.0		CD	40 CFR Section 63.2854	<p>Calculation - Monthly Weight Average HAP Content: By the end of each calendar month following an operating month, calculate weighted average HAP content (volume fraction). The monthly weighted average HAP content is to be determined using the following equation:</p> $\text{Monthly Weighted Average HAP Content of Extraction Solvent (volume fraction)} = \frac{\text{Summation from } i = 1 \text{ to } n (\text{Received}_i * \text{Content}_i)}{\text{Total Received}}$ <p>Where: Received_i = Gallons of extraction solvent received in delivery ``i." Content_i = The volume fraction of HAP in extraction solvent delivery ``i." Total Received = Total gallons of extraction solvent received since the end of the previous operating month. n = Number of extraction solvent deliveries since the end of the previous operating month.</p>
54.0		CD	40 CFR Section 63.2854	<p>Calculation: 12-month Weighted Average of HAP Content of Solvent Received using the following:</p> $\text{12-Month Weighted Average of HAP Content in Solvent Received (Volume fraction)} = \frac{\text{Summation from } i = 1 \text{ to } 12 (\text{Received}_i * \text{Content}_i)}{\text{Total Received}}$ <p>Where Received_i = Gallons of extraction solvent received in operating month ``i" as determined in 40 CFR Section 63.2853(a)(4). Content_i = Average volume fraction of HAP in extraction solvent received in operating month ``i" as determined in 40 CFR Section 63.2854 (b)(1) Total Received = Total gallons of extraction solvent received during the previous 12 operating months.</p>
55.0		CD	40 CFR Section 63.2855	<p>Calculation - Oilseed Quantity Processed: By the end of each calendar month following an operating month, calculate the monthly quantity of each oilseed processed by using the following equation:</p> $\text{Monthly Quantity of Oilseed Processed} = \text{Summation from } i = 1 \text{ to } n (\text{SEEDb} - \text{SEEDe} + \text{SEEDr} \pm \text{SEEDa})$ <p>Where SEEDb = Tons of oilseed in the inventory at the beginning of normal operating period ``i" as determined in 40 CFR Section 63.2855(a)(3) SEEDe = Tons of oilseed in the inventory at the end of normal operating period ``i" as determined in accordance with 40 CFR Section 63.2855(a)(3) SEEDr = Tons of oilseed received during normal operating period ``i" as determined in 40 CFR Section 63.2855(a)(4) of this section. SEEDa = Tons of oilseed added or removed from the oilseed inventory during normal operating period ``i" as determined in 40 CFR Section 63.2855(a)(5) n = Number of normal operating periods in the calendar month during which this type oilseed was processed.</p>
56.0		CD	40 CFR Section 63.2855	Calculation - 12-Month Rolling Sum: Calculate the 12-month rolling sum of the oilseed quantity processed by summing the monthly oilseed quantity processed for the previous 12 operating months.
57.0		CD	hdr	K. RECORDKEEPING REQUIREMENTS FOR NESHAP
58.0		CD	40 CFR Section 63.2862 (b)	<p>Plan for Demonstrating Compliance: The owner or operator shall develop and implement a written Plan for Demonstrating Compliance. The Plan must include the following :</p> <ol style="list-style-type: none"> 1) a detailed description of the procedures that will be followed to minimize solvent loss, at all times, including normal, startup, shutdown and malfunction (SSM), and non-operating condition; and 2) a detailed description of the method of measurement, measurement frequency, calculations, and quality assurance/quality control plan; recordkeeping, and reporting procedures that will be followed to determine source compliance.
59.0		CD	40 CFR Section 63.2862 (b)	<p>Plan for Startup, Shutdown and Malfunction (SSM): The owner or operator shall develop and implement a written SSM plan. At a minimum, this plan is to include:</p> <ol style="list-style-type: none"> 1) a detailed procedure for operating and maintaining the facility to minimize emissions during any SSM event, periods of non-operation associated with a SSM event, and periods of initial startup operation; and 2) a specified program of corrective action for malfunctioning process and air pollution control equipment; and 3) specified procedures for estimating solvent loss during each such SSM event.



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60.0		CD	40 CFR Section 63.2862 (b)	Recordkeeping of Compliance Plans: The owner or operator must complete the plan for demonstrating compliance and the SSM plan before compliance date (April 12, 2004) for your facility and keep them on-site and readily available as long as the source is operational.
61.0		CD	40 CFR Section 63.2862 (c)(1)	Recording- Solvent Inventory: By the end of each calendar month following an operating month, record the following information for the previous operating month. At a minimum, these records must include: 1. Dates that define each operating status period during a calendar month; 2. The operating status of your source such as normal operation, nonoperating, malfunction period, or exempt operation for each recorded time interval; 3. The gallons of extraction solvent in the inventory on the beginning and ending dates of each normal operating period; 4. The gallons of all extraction solvent received, purchased, and recovered during each calendar month; 5. All extraction solvent inventory adjustments, additions, or subtractions. You must document the reason for the adjustment and justify the quantity of the adjustment; 6. The total solvent loss for each calendar month, regardless of the source operating status, and 7. The actual solvent loss in gallons for each operating month.
62.0		CD	40 CFR Section 63.2862 (c)(2)	Recording - Average HAP Content: By the end of each calendar month following an operating month, record the following information for the average HAP content in the extraction solvent, for the previous operating month: 1. The gallons of extraction solvent received in each delivery; 2. The volume fraction of each HAP exceeding 1 percent by volume in each delivery of extraction solvent, and 3. The weighted average volume fraction of HAP in extraction solvent received since the end of the last operating month as determined in 40 CFR 63.2854 (b)(2)
63.0		CD	40 CFR Section 63.2862 (c)(3)	Recording - Soybean Processed Weight: At a minimum record the following: 1. The dates that define each operating status period. These dates must be the same as the dates entered for the extraction solvent inventory; 2. The operating status of your source such as normal operation, nonoperating, malfunction period, or exempt operating for each recorded time interval. On the log for each type of listed oilseed that is not being processed during a normal operating period, you must record which type of listed oilseed is being processed in addition to the source operating status; 3. The oilseed inventory for the type of listed oilseed that is being processed during a normal operating period, you must record which type of listed oilseed is being processed in addition to the source operating status; 4. The tons of each type of listed oilseed received at the affected source each normal operating period;
64.0		CD	CONTINUED: 40 CFR Section 63.2862 (c)(3)	5. All listed oilseed inventory adjustments, additions, or subtractions for normal operating periods. You must document the reason for the adjustment and justify the quantity of the adjustment; and 6. The tons of each type of listed oilseed processed during each operating month.
65.0		CD	40 CFR Section 63.2862 (d)	After your source has processed listed oilseed for 12 operating months and you are not operating during an initial start-up as described in 40 CFR Section 63.2850(d)(2), or a malfunction period as described in 40 CFR Section 63.2850(e)(2), you must record the following:
66.0		CD	40 CFR Section 63.2862 (d)(1)	Continued Recordkeeping of actual solvent: by the end of the calendar month following each operating month, you must record the 12 operating months rolling sum of the actual solvent loss in gallons.
67.0		CD	40 CFR Section 63.2862 (d)(2)	Recordkeeping of fraction of HAP: by the end of the calendar month following each operating month, you must record weighted average volume fraction of HAP in extraction solvent received for the previous 12 operating months.
68.0		CD	40 CFR Section 63.2862 (d)(3)	Recordkeeping of oilseed processed: by the end of the calendar month following each operating month, you must record the 12 operating months rolling sum of each type of listed oilseed processed in tons.
69.0		CD	40 CFR Section 63.2862 (d)(4)	Recordkeeping for compliance ratio: By the end of each calendar month following an operating month, you must record the compliance ratio for each 12 month operating period.



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70.0		CD	40 CFR Section 63.2862 (d)(5)	Recordkeeping of compliance status: By the end of each calendar month following an operating month, you must record a statement of whether the source is in compliance with all of the requirements of subpart GGGG. This includes a determination of whether you have met all of the applicable requirements in 40 CFR Section 63.2850.
71.0		CD	40 CFR Section 63.2862 (e)	Recordkeeping of each SSM event: For each SSM event subject to a malfunction period, you must record the following by the end of the calendar month following each month in which a malfunction period occurred: 1. A description and date of the SSM event, its duration, and reason it qualifies as a malfunction; 2. An estimate of the solvent loss in gallons for the duration of the malfunction period with supporting document; and 3. A checklist or other mechanism to indicate whether the SSM plan was followed during the malfunction period.
72.0		CD	hdr	L. REPORTING REQUIREMENTS FOR NESHP
73.0		CD	40 CFR Section 63.2860 (a)	Initial Notification: Submit an initial notification to MPCA and EPA no later than 120 days after effective date (April 12, 2001). In the notification, include the following: 1. The name and address of the owner or operator; 2. The physical address of the vegetable oil production process; 3. Identification of the relevant standard, such as the vegetable oil production NESHP, and compliance; 4. A brief description of the source including the types of the listed oilseed processed, nominal operating capacity, and type of desolventizer(s) used; and 5. A statement designating the source as a major source of HAP or a demonstration that the source meets the definition of an area source.
74.0		CD	40 CFR Section 63.2860(d)	Notification of compliance status: Due no later than 50 calendar months after the effective date (4/12/2001). The notification shall include: 1. The name and address of the owner or operator; 2. The physical address of the vegetable oil production process; 3. Each listed oilseed type processed during the 12 calendar months period covered by the report; 4. Each HAP identified under 40 CFR Section 63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report; 5. A statement designating the source as a major source of HAP or a demonstration the source qualifies as an area source;
75.0		CD	CONTINUED: 40 CFR Section 63.2860(d)	6. A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report. For each compliance determination, you must include a certificate that the procedures in the Plan for demonstrating compliance are being followed and compliance ratio is less than or equal to 1.00.
76.0		CD	40 CFR Section 63.2861(a)	Annual compliance certification: Due 12 calendar months after end of each calendar year following the notification of compliance status. (1) The name and address of the owner or operator; (2) The physical address of the vegetable oil production process; (3) Each listed oilseed type processed during the 12 calendar months period covered by the report; (4) Each HAP identified under 40 CFR Section 63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report;
77.0		CD	CONTINUED 40 CFR Section 63.2861 (a)	(5) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source; and (6) A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report. For each such compliance determination, you must include a certification of the following: (i) You are following the procedures described in the plan for demonstrating compliance and (ii) The compliance ratio is less than or equal to 1.00.



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78.0		CD	40 CFR Section 63.2861(b)	<p>Notification of Deviation Report: The deviation notification report must be submitted for each operating month, in which the compliance ratio exceeds 1.00. The report must be submitted by the end of the month following the calendar month in which the deviation occurred. This report must include the compliance ratio comprising the deviation.</p> <p>(1) The name and address of the owner or operator;</p> <p>(2) The physical address of the vegetable oil production process;</p> <p>(3) Each listed oilseed type processed during the 12 operating months period for which you determined the deviation; and</p> <p>(4) The compliance ratio comprising the deviation. You may reduce the frequency of submittal of the deviation notification report if the agency responsible for these NESHAP does not object as provided in 40 CFR Section 63.10(e)(3)(iii).</p>
79.0		CD	40 CFR Section 63.2861(c)	<p>Periodic SSM Report: By the end of the calendar month, submit a periodic startup, shutdown or malfunction (SSM) report for the previous month during which the source has been operated under an initial startup period or a malfunction period. The SSM report must include the following:</p> <ol style="list-style-type: none"> 1. The name, title, and signature of the source's responsible official who is certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the SSM plan; 2. A description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial startup or malfunction period; 3. An estimate of the solvent loss during the initial startup or malfunction period with supporting documentation.
80.0		CD	40 CFR Section 63.2861(d)	<p>Immediate SSM Reports: Within 2 working days after commencing actions inconsistent with the SSM plan, submit an immediate SSM report consisting of a telephone call or facsimile transmission followed by a letter within 7 working days of the event. The SSM report must include the following:</p> <ol style="list-style-type: none"> 1. The name, title, and signature of the source's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM Plan; 2. A description and date of the SSM event, its duration, and reason it qualifies as a SSM; and 3. An estimate of the solvent loss for the duration of the SSM event with supporting documentation.
81.0		CD	40 CFR Section 63.2863	<p>Records on-site:</p> <p>(a) Your records must be in a form suitable and readily available for review in accordance with 40 CFR Section 63.10(b)(1);</p> <p>(b) As specified in 40 CFR Section 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record; and</p> <p>(c) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, in accordance with 40 CFR Section 3.10(b)(1). You can keep the records off-site for the remaining 3 years.</p>
82.0		CD	hdr	DETERMINING IF A PROJECT/MODIFICATION IS SUBJECT TO NEW SOURCE REVIEW
83.0		CD	Title I Condition: 40 CFR Section 52.21(r)(6); Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2	<p>These requirements apply if a reasonable possibility (RP) as defined in 40 CFR Section 52.21(r)(6)(vi) exists that a proposed project, analyzed using the actual-to-projected-actual (ATPA) test (either by itself or as part of the hybrid test at Section 52.21(a)(2)(iv)(f)) and found to not be part of a major modification, may result in a significant emissions increase (SEI). If the ATPA test is not used for the project, or if there is no RP that the proposed project could result in a SEI, these requirements do not apply to that project. The Permittee is only subject to the Preconstruction Documentation requirement for a project where a RP occurs only within the meaning of Section 52.21(r)(6)(vi)(b).</p> <p>Even though a particular modification is not subject to New Source Review (NSR), or where there isn't a RP that a proposed project could result in a SEI, a permit amendment, recordkeeping, or notification may still be required by Minn. R. 7007.1150 - 7007.1500.</p>



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

84.0		CD	Title I Condition: 40 CFR Section 52.21(r)(6); Minn. R. 7007.3000; Minn. R. 7007.1200, subp. 4; Minn. R. 7007.0800, subps. 4 & 5	<p>Preconstruction Documentation -- Before beginning actual construction on a project, the Permittee shall document the following:</p> <ol style="list-style-type: none">1. Project description2. Identification of any emission unit (EU) whose emissions of an NSR pollutant could be affected3. Pre-change potential emissions of any affected existing EU, and the projected post-change potential emissions of any affected existing or new EU.4. A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded due to increases not associated with the modification and that the EU could have accommodated during the baseline period, an explanation of why the amounts were excluded, and any creditable contemporaneous increases and decreases that were considered in the determination. <p>The Permittee shall maintain records of this documentation.</p>
85.0		CD	Title I Condition: 40 CFR Section 52.21(r)(6); Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 4 & 5	<p>The Permittee shall monitor the actual emissions of any regulated NSR pollutant that could increase as a result of the project and that were analyzed using the ATPA test, and the potential emissions of any regulated NSR pollutant that could increase as a result of the project and that were analyzed using potential emissions in the hybrid test. The Permittee shall calculate and maintain a record of the sum of the actual and potential (if the hybrid test was used in the analysis) emissions of the regulated pollutant, in tons per year on a calendar year basis, for a period of 5 years following resumption of regular operations after the change, or for a period of 10 years following resumption of regular operations after the change if the project increases the design capacity of or potential to emit of any unit associated with the project.</p>
86.0		CD	Title I Condition: 40 CFR Section 52.21(r)(6); Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 4 & 5	<p>The Permittee must submit a report to the Agency if the annual summed (actual, plus potential if used in hybrid test) emissions differ from the preconstruction projection and exceed the baseline actual emissions by a significant amount as listed at 40 CFR Section 52.21(b)(23). Such report shall be submitted to the Agency within 60 days after the end of the year in which the exceedances occur. The report shall contain:</p> <ol style="list-style-type: none">a. The name and ID number of the facility, and the name and telephone number of the facility contact personb. The annual emissions (actual, plus potential if any part of the project was analyzed using the hybrid test) for each pollutant for which the preconstruction projection and significant emissions increase are exceeded.c. Any other information, such as an explanation as to why the summed emissions differ from the preconstruction projection.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: GP 001 Cyclone Units

Associated Items: CE 203 Centrifugal Collector - High Efficiency
CE 208 Centrifugal Collector - High Efficiency
CE 210 Centrifugal Collector - High Efficiency
CE 303 Centrifugal Collector - High Efficiency
CE 401 Centrifugal Collector - High Efficiency
CE 402 Centrifugal Collector - High Efficiency
CE 403 Centrifugal Collector - High Efficiency
CE 606 Centrifugal Collector - High Efficiency

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. OPERATIONAL REQUIREMENTS (All requirements apply to each control equipment unit listed.)
2.0		LIMIT	Minn. R. 7011.1005, subp. 1.B.	The Permittee shall operate and maintain the control equipment such that it achieves an overall efficiency for Total Particulate Matter: greater than or equal to 80 percent control efficiency
3.0		LIMIT	Minn. R. 7011.1005, subp. 1.B.	The Permittee shall operate and maintain the control equipment such that it achieves an overall efficiency for PM < 10 micron: greater than or equal to 80 percent control efficiency
4.0		CD	Minn. R. 7007.0800, subp. 14	Operation and Maintenance of the Cyclone: The Permittee shall operate and maintain the cyclone according to the facility's O & M Plan.
5.0		CD	Minn. R. 7007.0800, subp. 4	Visible Emissions: The Permittee shall check the stack/vent (SV) associated with control equipment (CE) listed above for visible emissions during daylight hours, on a daily basis.
6.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The permittee shall inspect each cyclone on a quarterly and annual basis, on various cyclone components according to an Operation and Maintenance (O&M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
7.0		CD	hdr	B. RECORDKEEPING
8.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping: The Permittee shall keep records on the time and date of VE inspections, and whether or not any VEs were observed.
9.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur: - abnormal visible emissions are observed - any components of the cyclone are found during an inspection that requires repairs Corrective actions also include, but are not limited to, those outlined in the O & M Plan for the cyclone. The Permittee shall keep a record of the type and date of any corrective action taken for each cyclone.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: GP 002 Combustion Sources

Associated Items: EU 163 Grain Dryer (GD102, EN101)

EU 165 Grain Dryer (GD101, EN102)

EU 702 Boiler #2

EU 703 Boiler #3

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. LIMITS
2.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Fuel Usage: less than or equal to 880 million cubic feet/year using 12-month Rolling Sum of natural gas only.
3.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Fuel Usage: less than or equal to 541,000 gallons/year using 12-month Rolling Sum for fuel oil only.
4.0		CD	hdr	B. RECORDKEEPING
5.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Recordkeeping: Calculate and record by the 20th day of each month for the previous month and the 12-month rolling sum of cubic feet of natural gas and gallons of fuel oil used.
6.0		S/A	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Quarterly Report: due 30 days after end of each calendar quarter following Fuel Usage Report
7.0		S/A	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21	Occurrence of the Exceedance: due 30 days after Occurrence of the Exceedance of the fuel usage limitation.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: GP 003 DT/DC Dryers with Coolers

Associated Items: CE 401 Centrifugal Collector - High Efficiency

CE 402 Centrifugal Collector - High Efficiency

EU 401 DTDC (CY401)

EU 402 DTDC (CY402)

SV 029 Dryer Deck Cyclone

SV 031 Top Dryer Deck Cyclone Discharge

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than 0.010 grains/dry standard cubic foot (limit applies to each emission unit).
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than 0.010 grains/dry standard cubic foot (limit applies to each emission unit).
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity (limit applies to each emission unit).
5.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subp. 2	The cyclones (CE 401 and CE 402) shall be operated at all times when the emission units are in operation. See GP 001 for cyclone operational requirements.
7.0		CD	Minn. R. 7011.1005, subp. 1	Maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed .
8.0		CD	hdr	C. PERFORMANCE TESTING REQUIREMENTS
9.0		CD	hdr	See SV 029 and SV 031 for performance test requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 001 N. Bean Receiving

Associated Items: EU 101 N Receiving Pit (BP101, BH101)

EU 103 North Sampler (SA101, CY101, BH101)

EU 105 South Sampler (SA102, CY102, BH101)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0030 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0020 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 101) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 98 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 101) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 95 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT.
9.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
10.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
11.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
12.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 002 Vacuum System

Associated Items: EU 107 Central Vac System (CV101, BH107)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0020 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0020 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 107) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 92 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 107) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 74 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop: The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 003 S. Bean Receiving

Associated Items: EU 109 S Receiving Pit (BP102, BH102)

EU 113 North Bean Rec Conv (BC101, OS101, BH101)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0030 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0020 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 102) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 98 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 102) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 95 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 004 Bean Handling

Associated Items: EU 115 North Elevator Leg (EL101, OS101, OS102, BH103)

EU 117 South Elevator Leg (EL102, OS101, OS102, BH103)

EU 121 Belt Conveyor #4 (BC104, OS101, OS102, BH103, BH104)

EU 715 Top Drag Conveyor (CD-1575)

EU 716 North Drag Conveyor (CD-1576)

EU 717 South Drag Conveyor (CD-1577)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0040 grains/dry standard cubic foot . This limit is more stringent than the limit in 40 CFR Section 60.302(b)(1) (0.010 gr/dscf), which also applies.
3.0		LIMIT	40 CFR Section 60.302(b)(1); Minn. R. 7011.1005	Total Particulate Matter: less than or equal to 0.010 grains/dry standard cubic foot .
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0020 grains/dry standard cubic foot .
5.0		LIMIT	40 CFR Section 60.302(b)(2); Minn. R. 7011.1005, subp 2	Opacity: less than or equal to 0 percent opacity .
6.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 103) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 93 percent control efficiency
8.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 103) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 92 percent control efficiency
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
10.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
11.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
12.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column , unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
13.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
14.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 005 Tub Leg and Belt Conveyors

Associated Items: EU 121 Belt Conveyor #4 (BC104, OS101, OS102, BH103, BH104)

EU 123 #2 Tunnel Belt (BC106, BH104, BH108)

EU 125 #3 Tunnel Belt (BC105, OS101, OS102, BH104)

EU 129 Tub Leg (EL103, BH104)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0040 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0030 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 104) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 92 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 104) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 90 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 006 Bean Cleaner

Associated Items: EU 131 Stoner (ST101, OS101, OS102, BH106)

EU 133 Cleaner Screen (SN101, OS101, OS102, BH106)

EU 135 Carter Day Cleaner (GS102, BH106)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0040 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0030 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 106) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 95 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 106) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 93 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 007 Hammermill

Associated Items: EU 137 Carter Day Cleaner (GS103, CY103, BH105)

EU 139 Hammer Mill (HM101, CY104, BH105)

EU 141 Seeds Bin (SB150, BH105) Seeds Tank Vent (SB150)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0040 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0030 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 105) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 95 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 105) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 87 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.
14.0		CD	hdr	C. PERFORMANCE TESTING REQUIREMENTS
15.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 36 months starting 03/18/2010 to measure PM emissions from SV 007.
16.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 36 months starting 03/18/2010 to measure PM10 emissions from SV 007.
17.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/30/2009 to measure Opacity from SV 007.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 012 Tunnel Ventilation

Associated Items: EU 113 North Bean Rec Conv (BC101, OS101, BH101)

EU 157 South Bean Rec Conv (BC102, OS102)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.10 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.10 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 016 W Dryer Exhaust Vents

Associated Items: EU 163 Grain Dryer (GD102, EN101)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than 0.050 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than 0.050 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. OPERATING REQUIREMENTS
6.0		CD	Minn. R. 7011.1005, subp. 3(D)	Pollution Control Equipment: Maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
7.0		CD	hdr	C. PERFORMANCE TESTING REQUIREMENTS
8.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/30/2009 to measure Opacity from SV 016.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 017 E Dryer Exhaust Vents

Associated Items: EU 165 Grain Dryer (GD101, EN102)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than 0.050 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than 0.050 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. OPERATING REQUIREMENTS
6.0		CD	Minn. R. 7011.1005, subp. 3(D)	Pollution Control Equipment: Maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
7.0		CD	hdr	C. PERFORMANCE TESTING REQUIREMENTS
8.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/30/2009 to measure Opacity from SV 017.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 018 New Mac Dehulling Discharge

Associated Items: EU 201 Primary Aspirator (AS201, CY202, BH201)

EU 203 #1 Secondary Dehull Asp (AS202, CY205, BH201)

EU 205 #2 Secondary Dehull Asp (AS203, CY204, BH201)

EU 207 #3 Secondary Dehull Asp (AS204, CY203, BH201)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 70011.0060 to 7011.0080	Total Particulate Matter: less than or equal to 0.0050 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 70011.0060 to 7011.0080	PM < 10 micron: less than or equal to 0.0050 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 201) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 99 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 201) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 95 percent control efficiency
8.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
10.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
11.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop: The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
12.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.
13.0		CD	hdr	D. PERFORMANCE TESTING REQUIREMENTS
14.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 03/18/2010 to measure PM emissions from SV 018.
15.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 03/18/2010 to measure PM10 emissions from SV 018.
16.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/30/2009 to measure Opacity from SV 018.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 019 Flaking and Conditioning

Associated Items: EU 209 #2 Bean Conditioner (CD202, STC202, CY206)

EU 211 #6 Flaker (FR206, CY206)

EU 213 #7 Flaker (FR207, CY206)

EU 215 #8 Flaker (FR208, CY206)

EU 217 #9 Flaker (FR209, CY206)

EU 253 #1 Flaker Feed Conveyor (DC215, CY206)

EU 263 #2 Flaker Feed Conveyor (DC216, CY206)

EU 275 #3 Flaker Feed Conveyor (DC217, CY206)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.020 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.010 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subp. 2	The cyclone (208) shall be operated at all times when the emission units are in operation. See GP 001 for cyclone requirements.
7.0		CD	Minn. R. 7011.1005, subp. 1	Maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed .



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: **SV 020 Cracking and Flaking**

Associated Items: EU 123 #2 Tunnel Belt (BC106, BH104, BH108)
EU 127 Dust Truck Cyclone (CY207, BH202)
EU 149 Day Tank Leg (EL108, BH108)
EU 151 #1 Belt Conveyor (BC107, BH108)
EU 225 Bean Cleaner (SN201, BH202)
EU 226 Day Bin Drag (DC202, BH202)
EU 228 Top Bean Drag (DC203, BH202)
EU 229 #1 Cracker (CR201, BH202)
EU 230 Clean Bean Elevator (EL202, BH202)
EU 231 #2 Cracker (CR202, BH202)
EU 233 #3 Cracker (CR203, BH202)
EU 235 #4 Cracker (CR204, BH202)
EU 237 #5 Cracker (CR205, BH202)
EU 239 #6 Cracker (CR206, BH202)
EU 241 #7 Cracker (CR207, BH202)
EU 261 Conv from #1 Conditioner (DC214, BH202)
EU 301 Ground Hull Conveyor (SC301, BH202)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0040 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0030 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 202) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 99 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 202) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 99 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.
14.0		CD	hdr	C. PERFORMANCE TESTING REQUIREMENTS
15.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 36 months starting 03/18/2010 to measure PM emissions from SV 020.
16.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 36 months starting 03/18/2010 to measure PM10 emissions from SV 020.
17.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/30/2009 to measure Opacity from SV 020.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 021 Seeds Blower Cyclone Vent

Associated Items: EU 167 Seeds Blower (PB102, CY201)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.020 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.010 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subp. 2	The cyclone (CE 203) shall be operated at all times when the emission units are in operation. See GP 001 for cyclone requirements.
7.0		CD	Minn. R. 7011.1005, subp. 1	Maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed .



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 022 #1 Side Flaker Drag Vent Fan

Associated Items: EU 267 Flake Conveyor #1 Side (DC218)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.10 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.10 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 023 #2 Side Flaker Drag Vent Fan

Associated Items: EU 269 Flake Conveyor #2 Side (DC219)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.10 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.10 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 024 #1 Bean Cond. Exhaust Vent

Associated Items: EU 271 #1 Bean Conditioner (CD201, STC201)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.10 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.10 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: **SV 027 Hammermill Discharge**

Associated Items: EU 305 #2 Meal Rotex Feed (SC302, BH301)
EU 307 #2 Meal Rotex (SN302, BH301)
EU 308 #3 Meal Rotex (SN303, BH301)
EU 309 #1 H Mill Discharge Screw (SC308, BH301)
EU 311 #2 H Mill Discharge Screw (SC307, BH301)
EU 313 #3 H Mill Discharge Screw (SC306, BH301)
EU 315 #3 H Mill Feed Screw (SC305, BH301)
EU 317 #1 Finished Meal Conv (DC304, BH301)
EU 318 Rail Car Aspiration (RC301, CY202, BH301)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Total Particulate Matter: less than or equal to 0.0090 grains/dry standard cubic foot
3.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	PM < 10 micron: less than 0.0090 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7011.1005, subp. 3.D.	Opacity: less than or equal to 10 percent opacity
5.0		CD	hdr	B. OTHER LIMITS AND REQUIREMENTS
6.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Process Throughput: less than or equal to 569,400 tons/year using 12-month Rolling Sum based on soy meal/hulls loadout to railcars.
7.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Recordkeeping of process throughput: Calculate and record by the 15th day of each month for the previous month and 12-month Rolling Sum of the meal loadout.
8.0		CD	hdr	C. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
9.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 301) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 95 percent control efficiency
10.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 301) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 79 percent control efficiency
11.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
12.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
13.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
14.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

15.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
16.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.
17.0		CD	hdr	D. PERFORMANCE TESTING REQUIREMENTS
18.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 03/18/2010 to measure PM emissions from SV 027.
19.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 03/18/2010 to measure PM10 emissions from SV 027.
20.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/30/2009 to measure Opacity.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 029 Dryer Deck Cyclone

Associated Items: EU 402 DTDC (CY402)

GP 003 DT/DC Dryers with Coolers

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. PERFORMANCE TESTING REQUIREMENTS
2.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/30/2009 to measure Opacity from SV 029.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 030 Cooler Cyclone

Associated Items: EU 403 DTDC (CY403)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than 0.020 grains/dry standard cubic foot .
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than 0.020 grains/dry standard cubic foot .
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subp. 2	The cyclone (CE 403) shall be operated at all times when the emission units are in operation. See GP 001 for cyclone requirements.
7.0		CD	Minn. R. 7011.1005, subp. 1	Maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed .
8.0		CD	hdr	B. PERFORMANCE TESTING REQUIREMENTS
9.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/29/2009 to measure Opacity from SV 030.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 031 Top Dryer Deck Cyclone Discharge

Associated Items: EU 401 DTDC (CY401)

GP 003 DT/DC Dryers with Coolers

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	C. PERFORMANCE TESTING REQUIREMENTS
2.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/30/2009 to measure Opacity from SV 031.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 036 Meal Handling

Associated Items: EU 601 Bottom Meal Recirc Conv (DC604, BH603)

EU 603 Flat Storage Conveyor (BC601, BH603, BH605)

EU 607 Meal Transfer Leg (EL602, BH603)

EU 609 #4 Meal Tank (B4, BH603)

EU 611 #5 Meal Tank (B5, BH603)

EU 613 #6 Meal Tank (B6, BH603)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0040 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0020 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 603) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 99 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 603) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 96 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 037 Hull Blowers Cyclone

Associated Items: EU 621 #1 Hull Blower to Storage (PB301, CY601)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.010 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0090 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subp. 2	The cyclone (CE 606) shall be operated at all times when the emission units are in operation. See GP 001 for cyclone requirements.
7.0		CD	Minn. R. 7011.1005, subp. 1	Maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 038 Meal and Hull Bin

Associated Items: EU 623 Truck Loadout Tank (MHT150, BH601)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0090 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0030 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	Opacity: less than or equal to 20 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 601) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 99 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 601) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 99 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 039 Truck Loadout

Associated Items: EU 625 Loadout Collection Screw (SC615, BH602)

EU 627 Loadout Screener (SN601, BH602)

EU 629 Truck Loadout Aspiration (BH602)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0040 grains/dry standard cubic foot
3.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than 0.0020 grains/dry standard cubic foot
4.0		LIMIT	Minn. R. 7011.1005, subp. 3(D)	Opacity: less than or equal to 10 percent opacity
5.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT REQUIREMENTS
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 602) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 94 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 602) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 79 percent control efficiency
8.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
10.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
11.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column, unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
12.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
13.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 055 #1 Side Flaker Aspiration

Associated Items: EU 243 #1 Flaker (FR201, CY208)
EU 245 #2 Flaker (FR202, CY208)
EU 247 #3 Flaker (FR203, CY208)
EU 249 #4 Flaker (FR204, CY208)
EU 251 #5 Flaker (FR205, CY208)
EU 255 #10 Flaker (FR210, CY208)
EU 257 Buhler Flaker (FR211, CY208)
EU 258 #11 Flaker (FR212, CY208)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Total Particulate Matter: less than or equal to 0.010 grains/dry standard cubic foot
3.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	PM < 10 micron: less than or equal to 0.0061 grains/dry standard cubic foot
4.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Opacity: less than or equal to 2.5 percent opacity as a 6-minute average (average of 24 consecutive readings)
5.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subp. 2	The cyclone (CE 210) shall be operated at all times when the emission units are in operation. See GP 001 for cyclone requirements.
7.0		CD	Minn. R. 7011.1005, subp. 1	Maintain air pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
8.0		CD	hdr	C. PERFORMANCE TESTING REQUIREMENTS
9.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 03/18/2010 to measure PM emissions from SV 055.
10.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 03/18/2010 to measure PM10 emissions from SV 055.
11.0		S/A	Minn. R. 7017.2020, subp. 1	Performance Test: due before end of each 60 months starting 10/29/2009 to measure Opacity.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 056 Pellet Blower Baghouse

Associated Items: EU 319 Pellet Tank #1 (PT1, BH350)

EU 321 Pellet Tank #2 (PT2, BH350)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity
4.0		CD	hdr	B. OPERATING REQUIREMENTS
5.0		CD	Minn. R. 7011.1005, subp. 3(D)	Maintain air pollution control equipment (CE 302) in proper operating condition and utilize the air pollution control systems as designed.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 057 Pellet Cooler Cyclone

Associated Items: EU 323 Pellet Cooler (PC341, CY349)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity
4.0		CD	hdr	B. OPERATING REQUIREMENTS
5.0		CD	Minn. R. 7011.1005, subp. 3(D)	Maintain air pollution control equipment (CE 303) in proper operating condition and utilize the air pollution control systems as designed.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: SV 059 TZ-1587 Stack/Vent

Associated Items: EU 711 Wet Bean Storage Bin (TZ-1587)

EU 712 Fill Belt Conveyor (CB-1586)

EU 713 Drag Conveyor 1 (CD-1590)

EU 714 Drag Conveyor 2 (CD-1592)

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7007.0800, subp. 2	Total Particulate Matter: less than or equal to 0.0040 grains/dry standard cubic foot . This limit is more stringent than the limit in 40 CFR Section 60.302(b)(1) (0.010 gr/dscf), which also applies.
3.0		LIMIT	40 CFR Section 60.302(b)(1); Minn. R. 7011.1005	Total Particulate Matter: less than or equal to 0.010 grains/dry standard cubic foot .
4.0		LIMIT	Minn. R. 7007.0800, subp. 2	PM < 10 micron: less than or equal to 0.0020 grains/dry standard cubic foot .
5.0		LIMIT	40 CFR Section 60.302(b)(2); Minn. R. 7011.1005, subp 2	Opacity: less than or equal to 0 percent opacity .
6.0		CD	hdr	B. POLLUTION CONTROL EQUIPMENT
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 615) such that it achieves a capture efficiency for Total Particulate Matter: greater than or equal to 100 percent capture efficiency
8.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 615) such that it achieves a capture efficiency for PM < 10 micron: greater than or equal to 100 percent capture efficiency
9.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall clean up commodities spilled on the driveway and other facility property, as required, to minimize fugitive emissions to a level consistent with RACT
10.0		CD	Minn. R. 7011.1005, subp. 1	The Permittee shall maintain pollution control equipment in proper operating condition and utilize the air pollution control systems as designed.
11.0		CD	Minn. R. 7007.0800, subps. 2, 5 and 14	Inspections: The Permittee shall inspect the fabric filter on a quarterly and annual basis, on various fabric filter components according to an Operation and Maintenance (O & M) plan developed by Ag Processing Inc. Maintain a written record of the inspection and any action resulting from the inspection.
12.0		LIMIT	Minn. R. 7011.1005, subp. 1	Pressure Drop: greater than or equal to 0.10 inches of water column and less than or equal to 7.0 inches of water column , unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA approved performance test where compliance was demonstrated. The Permittee shall record the pressure drop once every day when in operation.
13.0		CD	Minn. R. 7011.1005, subp. 1	Recordkeeping of Pressure Drop. The Permittee shall record the time and date of each pressure drop reading on a daily basis, when in operation and whether or not the recorded pressure drop was within the range specified in this permit.
14.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Corrective Actions: The Permittee shall record the corrective actions taken, as soon as possible, as based on the operation and maintenance plan to eliminate any pressure drops outside the permitted range specified. The Permittee shall keep a record, on-site, of the corrective actions taken.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 702 Boiler #2

Associated Items: GP 002 Combustion Sources

SV 051 Cleaver Brooks Stack

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0510, subp. 1; Minn. R. 7011.0545	Total Particulate Matter: less than or equal to 0.60 lbs/million Btu heat input
3.0		LIMIT	Minn. R. 7011.0510, subp. 1; Minn. R. 7011.0545	Sulfur Dioxide: less than or equal to 2.0 lbs/million Btu heat input
4.0		LIMIT	Minn. R. 7011.0510, subp. 2	Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity.
5.0		CD	hdr	B. OTHER LIMITS AND REQUIREMENTS
6.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Fuel Restriction: authorized to burn natural gas only.
7.0		CD	Minn. R. 7007.0800, subps . 4 and 5	Recordkeeping: Record and maintain records of the fuel combusted on a monthly basis 20 days after the completion of the month.
8.0		CD	hdr	C. INDUSTRIAL BOILER NESHAP REQUIREMENTS, 40 CFR pt. 63, subp. DDDDD
9.0		CD	40 CFR pt. 63, subp. DDDDD	Comply with 40 CFR Part 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, as promulgated and amended. Compliance date for this standard is January 31, 2016.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 703 Boiler #3

Associated Items: GP 002 Combustion Sources

SV 052 Nebraska Stack

SV 058 Kemnco #3 Boiler Bypass

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0510, subp. 1; Minn. R. 7011.0545	Total Particulate Matter: less than or equal to 0.60 lbs/million Btu heat input
3.0		LIMIT	Minn. R. 7011.0510, subp. 1; Minn. R. 7011.0545	Sulfur Dioxide: less than or equal to 2.0 lbs/million Btu heat input
4.0		LIMIT	Minn. R. 7011.0510, subp. 2	Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent.
5.0		CD	hdr	B. OTHER LIMITS AND REQUIREMENTS
6.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Fuel Restriction: authorized to burn natural gas and residual oil only.
7.0		CD	Minn. R. 7007.0800, subps . 4 and 5	Recordkeeping: Record and maintain records of the fuel combusted on a monthly basis 20 days after the completion of the month.
8.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Sulfur Content of Fuel: less than or equal to 1.0 percent by weight of fuel oil.
9.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000	Fuel Oil Certification: The Permittee shall obtain and maintain copies of the supplier's guarantee of the sulfur content in the fuel oil or shall conduct laboratory analysis to determine the fuel sulfur content and the list the method used to determine the sulfur content of the fuel.
10.0		CD	Minn. R. 7007.0800, subp. 4	Visible Emissions: The Permittee shall check SV 052 (main) for visible emissions during daylight hours on a daily basis, while burning fuel oil.
11.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of Visible Emissions (VE): The Permittee shall keep records on the time and date of VE inspection, whether or not any VEs were observed.
12.0		CD	Minn. R. 7007.0800, subp. 5	Recordkeeping of corrective actions: The Permittee shall record the corrective actions taken, as soon as possible as based on the operation and maintenance plan to eliminate any visible emissions.
13.0		CD	hdr	C. INDUSTRIAL BOILER NESHAP REQUIREMENTS, 40 CFR pt. 63, subp. DDDDD
14.0		CD	40 CFR pt. 63, subp. DDDDD	Comply with 40 CFR Part 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, as promulgated and amended. Compliance date for this standard is January 31, 2016.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 704 Amino Dryer

Associated Items: CE 614 Settling Chamber

SV 060 Amino Dryer Vent

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity
4.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
5.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 614) such that it achieves an overall control efficiency for Total Particulate Matter: greater than or equal to 98 percent control efficiency
6.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 614) such that it achieves an overall control efficiency for PM < 10 micron: greater than or equal to 97 percent control efficiency
7.0		LIMIT	Minn. R. 7011.1005, subp. 3	The Permittee shall operate and maintain the control equipment (CE 614) such that it achieves an overall control efficiency for PM < 2.5 micron: greater than or equal to 97 percent control efficiency



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 705 Amino Cooler

Associated Items: CE 613 Venturi Scrubber

SV 061 Amino Cooler Vent

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity
4.0		CD	hdr	B. OPERATIONAL REQUIREMENTS
5.0		CD	Minn. R. 7007.0800, subp. 2	The scrubber (CE 613) shall be operated at all times when the emission units are in operation. See CE 613 for scrubber requirements.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 706 Amino Cooker

Associated Items: SV 062 Amino Cooker Vent

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 707 Meal Day Bin

Associated Items: SV 063 Meal Day Bin Vent

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 708 Hulls Day Bin

Associated Items: SV 064 Hulls Day Bin Vent

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 709 Amino Start Up Bin

Associated Items: SV 065 Amino Start Up Bin Vent

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 710 Amino Meal Storage Bin

Associated Items: SV 066 Amino Meal Storage Bin

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	A. POLLUTANT LIMITS
2.0		LIMIT	Minn. R. 7011.0715, subp. 1(A)	Total Particulate Matter: less than or equal to 0.30 grains/dry standard cubic foot of exhaust gas unless required to further reduce emissions to comply with the less stringent limit of either Minn. R. 7011.0730 or Minn. R. 7011.0735.
3.0		LIMIT	Minn. R. 7011.0715, subp. 1(B)	Opacity: less than or equal to 20 percent opacity



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: EU 718 Emergency Fire Pump Engine (Fire Pump Engine #2)

Associated Items: SV 067 Emergency Fire Pump Engine

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	EMISSION AND OPERATING LIMITS
2.0		LIMIT	Minn. R. 7011.2300, subp. 1	Opacity: less than or equal to 20 percent opacity once operating temperatures have been attained.
3.0		LIMIT	Minn. R. 7011.2300, subp. 2	Sulfur Dioxide: less than or equal to 0.50 lbs/million Btu heat input . The potential to emit from the unit is 0.269 lb/MMBtu due to equipment design and allowable fuels.
4.0		CD	Minn. R. 7005.0100, subp. 35a	Fuel type: Diesel fuel oil only by design.
5.0		CD	hdr	RECORDKEEPING REQUIREMENTS
6.0		CD	Minn. R. 7007.0800, subps. 4 & 5	Hours of Operation: The Permittee shall maintain documentation on site that the unit is an emergency generator by design that qualifies under the U.S. EPA memorandum entitled "Calculating Potential to Emit (PTE) for Emergency Generators" dated September 6, 1995, limiting operation to 500 hours per year.
7.0		CD	Minn. R. 7007.0800, subps. 4 & 5	Fuel Supplier Certification: The Permittee shall obtain and maintain a fuel supplier certification for each shipment of diesel fuel oil, certifying that the sulfur content does not exceed 15ppm and has either a minimum cetane index of 40 or a maximum aromatic content of 35% by volume.
8.0		CD	Minn. R. 7007.0800, subp. 5	The Permittee shall keep records of fuel type and usage on a monthly basis.
9.0		CD	hdr	NESHAP SUBPART ZZZZ APPLICABILITY
10.0		CD	40 CFR Section 63.6590(c); Minn. R. 7011.8150	EU 718 is a new affected source as defined under 40 CFR pt. 63, subp. ZZZZ, and the facility is a major source as defined at 40 CFR Section 63.2. The Permittee shall meet the requirements of 40 CFR pt. 63, subp. ZZZZ by meeting the requirements of 40 CFR pt. 60, subp. IIII. No further requirements of 40 CFR pt. 63, subp. ZZZZ apply to EU 718.
11.0		CD	hdr	NSPS SUBPART IIII EMISSION AND OPERATING LIMITS
12.0		LIMIT	40 CFR Section 60.4205(c); and Table 4 to Subpart IIII of Part 60; 40 CFR Section 63.6590(c); Minn. R. 7011.3520 and 7011.8150	Total Particulate Matter: less than or equal to 0.15 grams/horsepower-hour
13.0		LIMIT	40 CFR Section 60.4205(c); and Table 4 to Subpart IIII of Part 60; 40 CFR Section 63.6590(c); Minn. R. 7011.3520 and 7011.8150	NMHC+NOx: less than or equal to 3.0 grams/horsepower-hour
14.0		LIMIT	40 CFR Section 60.4205(c); and Table 4 to Subpart IIII of Part 60; 40 CFR Section 63.6590(c); Minn. R. 7011.3520 and 7011.8150	Carbon Monoxide: less than or equal to 2.6 grams/horsepower-hour
15.0		LIMIT	40 CFR Section 60.4207(b); Minn. R. 7011.3520	Sulfur Content of Fuel: less than or equal to 15 parts per million and either a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume, as required by 40 CFR Section 80.510(b). This limit is more stringent than the limit in Minn. R. 7007.0800, subp. 2 (sulfur content less than or equal to 0.50% by weight), which also applies.
16.0		CD	hdr	NSPS SUBPART IIII OPERATIONAL REQUIREMENTS
17.0		CD	40 CFR Section 60.4218; Minn. R. 7011.3520	The Permittee shall comply with the applicable provisions of 40 CFR pt. 60, subp. A, as required by Table 8 of 40 CFR pt. 60, subp. IIII.
18.0		CD	40 CFR Section 60.4206; 40 CFR Section 60.4211(a); Minn. R. 7011.3520	The Permittee shall operate and maintain the stationary CI ICE in accordance with the emission standards as required in Sections 60.4204 and 60.4205, and according to the manufacturer's written instructions or procedures developed by the Permittee that are approved by the engine manufacturer, over the entire life of the engine. The Permittee may only change those settings that are permitted by the manufacturer.
19.0		CD	40 CFR Section 60.4209(a); Minn. R. 7011.3520	The Permittee must install a non-resettable hour meter prior to startup of the emergency engine.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

20.0		CD	40 CFR Section 60.4211(c); Minn. R. 7011.3520	The purchased engine must be certified to the emission standards in 40 CFR Section 60.4205(c) for the same model year and NFPA nameplate engine power. The engine must be installed and configured according to the manufacturer's specifications.
21.0		CD	40 CFR Section 60.4211(f); Minn. R. 7011.3520	The Permittee may conduct maintenance checks and readiness testing provided that the tests are recommended by Federal, State, or local government; the manufacturer; the vendor; or the insurance company associated with the engine. Maintenance checks and readiness testing are limited to 100 hours/year. There is no time limit on the use of emergency stationary ICE in emergency situations unless otherwise prohibited by your permit. The Permittee may petition the Administrator for approval of additional hours. A petition is not required if the Permittee maintains records indicating that the Federal, State or local standards require maintenance and testing beyond 100 hours/year.
22.0		CD	40 CFR Section 60.4211(f); Minn. R. 7011.3520	Emergency stationary ICE may operate up to 50 hours/year in non-emergency situations, but those 50 hours are counted towards the 100 hours/year provided for maintenance and testing. The 50 hours/year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours/year, as permitted in this section, is prohibited.
23.0		CD	hdr	NSPS SUBPART IIII RECORDKEEPING REQUIREMENTS
24.0		CD	40 CFR Section 60.4214(b); Minn. R. 7011.3520	If the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the Permittee must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of the engine and the reason the engine was in operation during that time.



COMPLIANCE PLAN **CD-01**

Facility Name: Ag Processing Inc - Dawson

Permit Number: 07300002 - 003

Subject Item: CE 613 Venturi Scrubber

Associated Items: EU 705 Amino Cooler

	NC/ CA	Type	Citation	Requirement
1.0		CD	hdr	EMISSION AND OPERATIONAL LIMITS
2.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 2 and 14	The Permittee shall operate and maintain the scrubber (CE 613) at any time that the process equipment controlled by the scrubber (EU 705) is in operation. The Permittee shall document periods of non-operation of the control equipment.
3.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 2 and 14	The Permittee shall operate and maintain control equipment such that it achieves a control efficiency for PM < 2.5 micron: greater than or equal to 90 percent control efficiency
4.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 2 and 14	The Permittee shall operate and maintain control equipment such that it achieves a control efficiency for PM < 10 micron: greater than or equal to 93 percent control efficiency
5.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 2 and 14	The Permittee shall operate and maintain control equipment such that it achieves a control efficiency for Total Particulate Matter: greater than or equal to 95 percent control efficiency
6.0		CD	Minn. R. 7007.0800, subp. 14	The Permittee shall operate and maintain the scrubber in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available for use by staff and MPCA staff.
7.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 2 and 14	Pressure Drop: greater than or equal to 15 inches of water column and less than or equal to 30 inches of water column , unless a new range is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA-approved performance test where compliance was demonstrated. The new range shall be implemented upon receipt of the Notice of Compliance letter granting preliminary approval. The range is final upon issuance of a permit amendment incorporating the change.
8.0		LIMIT	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 2 and 14	Water flow rate: greater than or equal to 20 gallons/minute and less than or equal to 40 gallons/minute , unless a new limit is set pursuant to Minn. R. 7017.2025, subp. 3, based on the values recorded during the most recent MPCA-approved performance test where compliance was demonstrated. The new limit shall be implemented upon receipt of the Notice of Compliance letter granting preliminary approval. The limit is final upon issuance of a permit amendment incorporating the change.
9.0		CD	hdr	MONITORING AND RECORDKEEPING
10.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 2 and 14	Daily Inspections: The Permittee shall do the following, once every 24 hours on days that the scrubber is operated: 1). Read and record the scrubber liquid flow rate; and 2). Read and record the gas pressure drop across the scrubber.
11.0		CD	Title I Condition: To avoid classification as a major modification under 40 CFR Section 52.21 and Minn. R. 7007.3000; Minn. R. 7007.0800, subps. 2 and 14	Recordkeeping of Pressure Drop and Water Flow Rate: The Permittee shall record the time and date of each pressure drop reading and water flow rate reading, and whether or not the observed value was within the range specified in this permit. Recorded values outside any range specified in this permit are considered Deviations as defined by Minn. R. 7007.0100, subp. 8a.
12.0		CD	Minn. R. 7007.0800, subps. 4, 5, and 14	Periodic Inspections: At least once per calendar quarter, or more frequently as required by the manufacturing specifications, the Permittee shall inspect the control equipment components. The Permittee shall maintain a written record of these inspections.



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13.0		CD	Minn. R. 7007.0800, subps. 4, 5, and 14	<p>Corrective Actions: The Permittee shall take corrective action as soon as possible if any of the following occur:</p> <ul style="list-style-type: none">- the recorded water flow rate is outside the required operating range; or- the recorded pressure drop is outside the required operating range; or- the scrubber or any of its components are found during the inspections to need repair. <p>Corrective actions shall return the pressure drop and/or water flow rate to within the permitted range, and/or include completion of necessary repairs identified during the inspection, as applicable. Corrective actions include, but are not limited to, those outlined in the O & M Plan for the scrubber. The Permittee shall keep a record of the type and date of any corrective action taken for the filter.</p>
14.0		CD	Minn. R. 7007.0800, subps. 4 and 5	<p>Monitoring Equipment: The Permittee shall install and maintain the necessary monitoring equipment for measuring and recording pressure drop and water flow rate as required by this permit. The monitoring equipment must be installed, in use, and properly maintained when the monitored scrubber is in operation.</p>
15.0		CD	Minn. R. 7007.0800, subps. 4, 5 and 14	<p>The Permittee shall calibrate the gauges at least once every 12 months and shall maintain a written record of any action resulting from the calibration.</p>

ATTACHMENT 4
POINTS CALCULATOR

(Available Electronically in Delta Central File)

Points Calculator

1) AQ Facility ID No.:	07300002
2) Facility Name:	Ag Processing Inc - Dawson
3) Small business? y/n?	n
4) DQ Numbers (including all rolled) :	489, 3548, 4092
5) Date of each Application Received:	2/25/05, 6/14/11, 8/27/12
6) Final Permit No.	07300002-003
7) Permit Staff	Hassan Bouchareb
8) "Work completed" in which .xls file (i.e. unit 2b, unit 1a, biofuels)?	

Total Points	66
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<u>Application Type</u>	<u>DQ No.</u>	<u>Qty.</u>	<u>Points</u>	<u>Total Points</u>	<u>Details</u>
Administrative Amendment	3548	1	1	1	
Minor Amendment			4	0	
Applicability Request			10	0	
Moderate Amendment			15	0	
Major Amendment	4092	1	25	25	
Individual State Permit (not reissuance)			50	0	
Individual Part 70 Permit (not reissuance)			75	0	
Additional Points					
Modeling Review			15	0	
BACT Review			15	0	
LAER Review			15	0	
CAIR/Part 75 CEM analysis			10	0	
NSPS Review	3548, 4092	2	10	20	NSPS DD, NSPS IIII
NESHAP Review	3548	1	10	10	NESHAP ZZZZ
Case-by-case MACT Review			20	0	
Netting			10	0	
Limits to remain below threshold	4092	1	10	10	Limits to avoid PSD
Plantwide Applicability Limit (PAL)			20	0	
AERA review			15	0	
Variance request under 7000.7000			35	0	
Confidentiality request under 7000.1300			2	0	
EAW review					
Part 4410.4300, subparts 18, item A; and 29			15	0	
Part 4410.4300, subparts 8, items A & B; 10, items A to C; 16, items A & D; 17, items A to C & E to G; and 18, items B & C			35	0	
Part 4410.4300, subparts 4; 5 items A & B; 13; 15; 16, items B & C; and 17 item D			70	0	
			Add'l Points	40	

NOTES: