ADEQ

ARKANSAS
Department of Environmental Quality

December 28, 2011

Neil Washburn
Director of Environmental Compliance
Riceland Foods, Inc. - Jonesboro Division
PO Box 927
Stuttgart, AR 72160

Dear Mr. Washburn:

The enclosed Permit No. 0462-AOP-R16 is your authority to construct, operate, and maintain the equipment and/or control apparatus as set forth in your application initially received on 9/23/2011.

After considering the facts and requirements of A.C.A. §8-4-101 et seq., and implementing regulations, I have determined that Permit No. 0462-AOP-R16 for the construction, operation and maintenance of an air pollution control system for Riceland Foods, Inc. - Jonesboro Division to be issued and effective on the date specified in the permit, unless a Commission review has been properly requested under Arkansas Department of Pollution Control & Ecology Commission's Administrative Procedures, Regulation 8, within thirty (30) days after service of this decision.

The applicant or permittee and any other person submitting public comments on the record may request an adjudicatory hearing and Commission review of the final permitting decisions as provided under Chapter Six of Regulation No. 8, Administrative Procedures, Arkansas Pollution Control and Ecology Commission. Such a request shall be in the form and manner required by Regulation 8.603, including filing a written Request for Hearing with the APC&E Commission Secretary at 101 E. Capitol Ave., Suite 205, Little Rock, Arkansas 72201. If you have any questions about filing the request, please call the Commission at 501-682-7890.

Sincerely,

Mike Bates
Chief, Air Division

ADEQ
OPERATING
AIR PERMIT

Pursuant to the Regulations of the Arkansas Operating Air Permit Program, Regulation 26:

Permit No. : 0462-AOP-R16
Renewal #1

IS ISSUED TO:

Riceland Foods, Inc. - Jonesboro Division
North Floyd Street
Jonesboro, AR 72403
Craighead County
AFIN: 16-00101

THIS PERMIT AUTHORIZES THE ABOVE REFERENCED PERMITTEE TO INSTALL, OPERATE, AND MAINTAIN THE EQUIPMENT AND EMISSION UNITS DESCRIBED IN THE PERMIT APPLICATION AND ON THE FOLLOWING PAGES. THIS PERMIT IS VALID BETWEEN:

April 30, 2007 AND April 29, 2012

THE PERMITTEE IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

Mike Bates
Chief, Air Division

December 28, 2011
Date

Table of Contents

List of Acronyms and Abbreviations

A.C.A.	Arkansas Code Annotated
AFIN	ADEQ Facility Identification Number
CFR	Code of Federal Regulations
CO	Carbon Monoxide
HAP	Hazardous Air Pollutant
lb/hr	Pound Per Hour
MVAC	Motor Vehicle Air Conditioner
No.	Number
NO_x	Nitrogen Oxide
PM	Particulate Matter
PM_{10}	Particulate Matter Smaller Than Ten Microns
SNAP	Significant New Alternatives Program (SNAP)
SO_2	Sulfur Dioxide
SSM	Startup, Shutdown, and Malfunction Plan
Tpy	Tons Per Year
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compound

SECTION I: FACILITY INFORMATION

PERMITTEE:	Riceland Foods, Inc. - Jonesboro Division
AFIN:	16-00101
PERMIT NUMBER:	0462-AOP-R16
FACILITY ADDRESS:	North Floyd Street Jonesboro, AR 72403
MAILING ADDRESS:	PO Box 927 Stuttgart, AR 72160
COUNTY:	Craighead County
CONTACT NAME:	Neil Washburn
CONTACT POSITION:	Director of Environmental Compliance
TELEPHONE NUMBER:	870-673-5337
REVIEWING ENGINEER:	Ann Sudmeyer
UTM North South (Y):	Zone 15: 3969987.50 m
UTM East West (X):	Zone 15: 740059.30 m

SECTION II: INTRODUCTION

Summary of Permit Activity

Riceland Foods, Inc. (AFIN: 16-00101) located at 216 North Gee Street, Jonesboro, Arkansas 72401, currently operates rice mills, grain dryers, a cogeneration facility, and ash handling operations.

This minor modification is necessary to replace two baghouses at Mill J (SN-116 and SN-119) with one new baghouse (SN-205). The total annual permitted emission rate limits are decreasing by 0.1 tons per year (tpy) PM.

Process Description

UNITS #3 AND #4

Rice and soybeans are unloaded at a rate of 5,000 bu/hr at the Unit 3 Receiving Pit (SN-001) and 5000 bu/hr at the Unit 4 Receiving Pit (SN-002). These pits are equipped with an aspiration system for capturing fugitive emissions generated during the unloading operation. Emissions captured in the aspiration system are controlled by a baghouse (SN-005). Once received, the grain is conveyed to the scalperators located in Unit 3. These are closed loop scalperators which generate no dust to the atmosphere. The scalperators remove all debris from the grain prior to storage and drying. After cleaning, the grain is conveyed to storage bins to await the drying operation. Units 3 and 4 currently have four (4) Shanzer column dryers (SN-006 through SN-009). These dryers are rated at 3,500 bu/hr each. Emissions from the dryers are controlled by using a Hull Settling Chamber. The settling chamber is located between the headhouses of Units 3 and 4. All movement of grain within the facility is accomplished with belts, drags, screws, and bucket elevators. Units 3 and 4 are equipped with nuisance dust systems (SN-003 and SN-004) that control dust generated by these internal conveyors. Dust and debris collected by the Unit 3 and 4 baghouses and settling chamber is conveyed to the Unit 3 and 4 Trash Tank (SN-010). The trash tank generates emissions from the tank vent and from emptying of the tank. The vent emissions are controlled by a small baghouse referred to as a bin vent filter and the emissions from the tank emptying are uncontrolled. Units 3 and 4 have two (2) gravity spouts (SN-011) located on bins 416 and 418 that are used to load out primarily soybeans at the rate of 5,000 bu/hr. Fugitive emissions occur during this process.

UNIT #7

Unit 7 receives grain from Dump #5 (SN-012) and Dump #7 (SN-013). Dump #5 receives only rice at the rate of 8,000 bu/hr. Dump #7 receives rice, soybeans, and wheat at the rate of 8,000 bu/hr. Emissions generated during unloading at Dump #5 are captured by an aspiration system which is controlled by a baghouse (SN-014). Emissions generated at Dump #7 are also controlled by a baghouse (SN-194). Once received, the grain is scalped by closed loop scalperators and then transferred to storage. Prior to drying, the Unit #7 East Shanzer Aspirator with Baghouse (SN-015B) will clean the rice by removing most of the loose hulls and chaff.

Grain at Unit 7 is dried in a Shanzer dryer (SN-017) with a drying capacity rated at 9,800 bu/hr and a Shanzer dryer (SN-018) rated at 5,000 bu/hr. Emissions from the dryers are controlled by 24 mesh screens over the dryer enclosure louvers. Hulls retained by the 24 mesh screens and hulls settling in the dryer enclosure are picked up by the dryer hull systems (SN-015A). All grain movement in Unit 7 is accomplished through the use of belt, drag, screw, and bucket conveyors. Dust generated by these conveyors is also controlled by nuisance dust systems (SN-016). All dust and hulls collected by the Unit 7 bagfilters and the hull system are transferred to the Unit 7 trash tank (SN-020). The trash tank generates emissions from the vent and from the emptying of the tank. The trash tank vent emissions are controlled by a bin vent filter. Grain, primarily soybeans and wheat, are shipped out through three (3) loadout spouts. The two (2) gravity spouts (SN-021) located on bins 738 and 740 are the most commonly used.

UNIT #8

Unit 8 receives grain from Dump #8 (SN-022) and Dump #9 (SN-023). Dump #8 and Dump #9 are limited to receiving 240,000 bu/day of rice, combined. Emissions generated during unloading at Dumps #8 and #9 are captured by an aspiration system which is controlled by a baghouse (SN-024). Once received, the grain is scalped by closed loop scalperators and then transferred to storage. Grain at Unit 8 is dried in four (4) Berico dryers (SN-030, SN-031, SN-032, and SN-033) with drying capacities of 3,500 bu/hr each. Emissions from the dryers are controlled by a hull settling chamber equipped with 24 mesh screens. All grain movement within the facility is accomplished through the use of belt, drag, screw, and bucket conveyors. Nuisance dust generated by the internal conveyors is controlled by dust aspiration systems (SN-025, SN-026, SN-027, and SN-028). Unit 8 has three (3) trash tanks that receive dust and debris from the baghouses and hull settling chamber. The Tripper Trash Tank (SN-027) receives dust collected from the tripper baghouses (SN-026 and SN-027). The East Trash Tank (SN-034) receives dust collected by the receiving pit baghouse (SN-024), the headhouse dust baghouse (SN-025) and the hull settling chamber. The West Trash Tank (SN-035) receives the cleanings from the Dump 5 scalperators and two (2) of the scalperators located in Unit 8. Each trash tank is equipped with a bin vent filter. Unit 8 has three (3) gravity spouts (SN-036) located on bins 808, 816, and 824 for the loading of grain onto trucks.

FLAT STORAGE

The two (2) Flat Storage buildings each have a loadout (SN-187, SN-192) and receiving (SN-196, SN-191) station. The buildings prevent the Jonesboro facility from having to use the temporary "pod" storage during the rice harvest. Flat Storage is not physically connected to Elevator H by any conveyors. It is considered part of Elevator H since it acts as a rice terminal. Once filled, rice will be moved from Flat Storage Elevator H for distribution to the rice milling operations.

ELEVATOR H AND ELEVATOR H ANNEX

Elevator H and the Elevator H Annex are responsible for receiving and storing dry rough rice from outlying dryer locations. Rough rice is received into Elevator H and the Elevator H Annex by four (4) dumps. The rice is moved by bucket elevators to belt conveyors on the tripper floors over the storage bins. Tripper mechanisms transfer the rice from the belts to the bins.

Bulk scales located in the head house is used to batch weigh rice as it discharges from the elevators. Rice is removed from the bins by the basement belt conveyors which discharge into the elevators. The rough rice can then be transferred directly to Mill J or the Parboil Plant. Rough, white, and brown rice can be shipped out by truck or railcar.

MILL J

Mill J processes rough rice received from Elevator H or Elevator H Annex into white or brown rice for packaging or bulk shipment. The milling process is essentially the same in both mills.

Rough rice is weighed in batch scales as it enters the mills. It is cleaned by scalpers, stick machines, and aspirators to remove trash, hulls and other foreign material. The cleaned rice passes through shellers which remove and separate out most of the hulls from the rice. The shelled rice, referred to as brown rice, continues through monitors which separate out any remaining loose hulls. Hulls removed by the shellers and monitors are blown to the Co-Products Plant for processing. The brown rice is passed through paddy machines which separate out any rice still in the hull and return it to the shellers.

For white rice production, the brown rice is fed through pearlers which remove the bran layer by abrasion. Lime can be added at the pearlers to increase the abrasion. Most of the removed bran is separated from the rice by aspiration in the pearlers. Any remaining loose bran is removed from the white rice by the clean rice aspirators.

For brown rice production, the rice is sent directly from the paddy machines to the clean rice aspirators to remove any loose bran. The bran from the pearlers and aspirators is collected by cyclones and bagfilters (SN-171, SN-172, and SN-177), cleaned, and blown to Co-Products for processing.

After aspiration, the white or brown rice passes through a grading process. Disc graders, precision graders, and rotex machines are used to separate the rice based on the degree of brokenness, into fancy, head, or brewers. The graded rice is then sent to the Packaging Department or to Clean Rice Shipping.

RIVLAND FLOUR MILL

Riviana Foods and Riceland are partners in a rice flour milling operation, Rivland, located in the Mill J building. Broken rice from Mill J is transferred to the Clean Rice department for storage and shipping. Brokens can also be sent from Clean Rice to the Rivland plant. In the Rivland plant the rice is first lightly polished with pearler machinery. The small amount of bran that is removed is collected in a bran receiver (SN-195) and transferred to Co-Products. The rice is then routed to primary hammermills where the rice is ground into flour. A negative air pneumatic system elevates the freshly ground flour to a bagfilter receiver (SN-120) which is then gravity fed to screen type sifters (SN-174). Flour passing through the screens is acceptable to be stored in steel tanks for finish processing. Flour moving over the screens is routed to the secondary pulverizer machines where it is reground and conveyed back to the sifting process to be rescreened.

Finish processing of the flour involves transferring it from steel tanks to one of two cleaning towers. These towers contain equipment such as additional screening, entoleter infestation destroyers, and metal detectors to ensure the quality and sanitation of the flour prior to placing it in shipping containers. A nuisance dust system (SN-196) keeps negative pressure on all flour transfer points and processing equipment for sanitation purposes. Flour can be shipped in 45, 50, 90, 100 pound bags (SN-175); 1800, 2000, and 2500 pound tote bags; or in bulk hopper trucks and railcars (SN-121, SN-198, SN-200, and SN-201).

Flour is loaded onto railcars through a closed loop pneumatic loading system. A flexible hose is connected to the railcar at its loading port. Flour is then blown into the railcar. A flexible hose is connected to the vent port for the collection of flour and dust displaced during loading. The vent hose is connected to an Aircon bagfilter model CAR 21-6 (SN-200 and SN-201) built specifically for this application. The flour collected in the bagfilter is fed back into the pneumatic loading line.

CLEAN RICE SHIPPING

Clean rice shipping receives white rice and brown rice from Mill J. The rice can be stored, transferred to the packaging department, or shipped out by truck or railcar. Cleaners, aspirators, and monitors are used to remove dust and fines from the rice (SN-148 through SN-159).

UNITS #1 & #2

Units #1 and #2 are the receiving (SN-052, SN-056) and storage facilities for the Parboil Plant and Mill L. Rough rice is brought to the receiving pits from various Riceland drier locations. Rice is then conveyed to concrete storage bins. Dust generated by transfer conveyors is controlled by nuisance dust systems (SN-054, SN-055, SN-057). Units #1 and #2 have a single Hess dryer (SN-060) for drying rice as necessary prior to parboil processing.

Rice is transferred from the storage bins to the Parboil Plant. Rice processed in the Parboil Plant can be either sent to Mill L or back to the Unit #1 and #2 storage. Parboiled rice is sent to Mill L for hull and bran removal. The clean parboiled rice is sent from Mill L to Units 1 and 2 for storage and shipping.

PARBOIL PLANT

The parboil process is used to partially cook rough rice while it is still in the hull. This can increase the milling yield of lower quality rice.

Rough rice is received at the Parboil Plant and cleaned by a scalper, stick machines, and aspirators and then graded by disc and precision graders. It is conveyed to the soak tanks where it is held to allow hot water to be absorbed by the grains. The soaked rice then passes through the cooker where it is partially cooked by steam.

After cooking, the rice is pneumatically sent through rotary dryers. If needed, the rice can be sent from the rotary dryers to surge bins before continuing through the drying process.

After drying and aeration, the rice is sent to the Parboil Mill for processing.

PARBOIL MILL

The milling process at the Parboil Mill is basically the same as that in Mill J. The main differences are that the parboiled rough rice is not aspirated, since most loose trash has been removed by the parboiling process and that there are no monitors between the shellers and paddy machines.

Parboiled rough rice enters the mill from the Parboil Plant's aeration bins, passes through the milling process, and is sent to the mill's aeration bins.

The milled rice is then either shipped out at Parboil Shipping or sent to the main Packing Department.

CO-PRODUCTS PLANT

The Co-Products Plant receives the material collected by the dust control systems in the Rice Processing Division and produces saleable items from it. The three (3) co-products of rice processing are hulls, bran, and a material referred to as chicken feed. The chicken feed consists of seeds, straw, hull particles, and other foreign material found in rough rice. The items produced from these co-products are bulk and packaged hulls, bulk and pelletized bran, and pelletized feed.

The co-products are blown from the mills via pneumatic lines and are received by bagfilters (SN-128, SN-129, SN-137, SN-139, SN-141, SN-143) at the Co-Products Plant. The hulls are cleaned and can be stored whole for bulk and package shipment, or ground by the hammermills and blown to the pellet mill. The bran is cleaned and stored for bulk shipment or blown to the pellet mill. The chicken feed is ground and blown to the pellet mill.

The bran and the ground hulls and chicken feed are mixed at the pellet mill to produce feed pellets. The bran can also be pelletized alone. Moist steam from the mill boiler is used to bind the ground products together to form pellets. Pellet coolers are used to lower the temperature of the pellets before storage.

BRAN STABILIZATION

The Bran Stabilization Plant receives raw material from the rice milling operations and prepares or stabilizes it for the oil extraction process. The bran is pneumatically conveyed from the rice mill to the bran receiving tank. At this point in the process, the bran is in a powder form. To control the dust produced by the bran entering the tank, a bin vent filter will be used to vent the tank.

The bin vent filter (SN-145) utilizes fabric bags to control emissions. The bran discharges from the receiving tank onto screw conveyors and is transferred to the bran expander. At the expander, steam is added and the bran is formed into pellets.

A boiler unit (SN-163) will provide the steam required by the expander. The boiler will emit natural gas combustion products. The bran pellets leaving the expander process are conveyed by a belt conveyor to the dryer/coolers. The pellets will be both dried and cooled and then transferred to a storage bin. The dryer/cooler (SN-144 and SN-193) will be vented to the atmosphere and will emit water vapor and bran dust. A high efficiency cyclone will be used to control dust emissions from the dryer/cooler.

From the dryer/cooler, the pellets are stored in the stabilized bran bin. Again, a bin vent filter will be used to control dust emissions from the storage bin.

THERMAL ENERGY CONVERSION SYSTEM

Rice hulls are delivered to the Riviana gasifier facility by pneumatic conveying systems from various locations in Riceland's Jonesboro Rice Mill. These conveying systems deliver hulls to a storage tank. The storage tank is equipped with a variable rate bin discharger that delivers hulls to the gasifier metering bin. This system is designed to receive and store 12.5 tons per hour of hulls and can deliver up to 9.0 tons per hour of hulls to the gasification system.

The gasification system includes the hull metering bin, a PRM Energy Systems, Model KC18, rice hull gasifier, and the instrumentation and controls required to control the gasification process.

The metering bin provides the surge capacity necessary to compensate for variations between the delivery and gasification rates and is equipped with three (3), variable speed, screw conveyors that deliver hulls to the gasification unit in response to the output of the plant master controller.

The gasifier has one (1) gasification unit that converts the hulls to pyrolysis gas and ash. This is accomplished by the controlled application of air through the gasification unit grate as the hulls are agitated in the fuel bed maintained on the grate. Air is provided by the gasification air fan through a system of ducts and control dampers to the undergrate air plenum on each unit. The gasification unit is a refractory lined, vertical steel chamber, sized to provide the residence time required to complete the gasification process and minimize the quantity of particulate matter carried over with the pyrolysis gas. Ash is discharged from the bottom of the gasification unit into water cooled screw conveyors that cool the ash and transport it to a pneumatic conveying system that is part of the ash conveying and storage system. Pyrolysis gas is discharged from the top of the gasification unit to the J-TECS thermal energy combustion system (TECS).

The gasification system is designed to consume 15,000 pounds per hour of rice hulls and deliver 70.2 MM BTU per hour to the combustion system in the form of high temperature pyrolysis gas. The gas temperature will vary between 1100 °F and 1500 °F, depending upon the desired ash

quality. The quantity of ash produced will be approximately 5,600 pounds per hour at rated capacity.

The bio-gas combustion system is designed to insure complete combustion of the bio-gas and produce an 1800 °F flue gas that will be utilized in the heat exchanger and boiler to produce hot air and steam. Combustion is accomplished by introducing sufficient air for complete combustion in the spin-air section located at the outlet of the gasification unit. The flue gas is then discharged into the common combustion tube which is sized to provide a residence time of approximately 1.5 seconds before it is introduced into the heat exchanger and boiler. The residence time is sufficient to insure that combustion is complete before the gas is cooled in the boiler and/or heat exchanger.

The total heat release of the combustion system is 70.2 MM BTU per hour at rated capacity.

The high pressure boiler will be a water tube boiler with an integral, water cooled furnace. The boiler system will be designed to provide a maximum continuous capacity of 25,000 pounds per hour of 130 psig saturated steam. The boiler will be heated by a combination of hot flue gas from the combustion system and flue gas from the heat exchanger. At rated capacity, the gas temperature entering the boiler will be approximately 1000 °F and the temperature of the flue gas leaving the boiler will be approximately 380 °F.

Flue gas will be discharged from the boiler through a multicyclone type mechanical dust collector to control particulate emissions from the boiler exhaust stack. An induced draft fan will be located at the outlet of the dust collector and will discharge the cleaned flue gas to a 4' - 0" diameter by 60' tall, self supporting steel stack.

The dust collector is designed to provide a collection efficiency of at least 87.5 percent when handling 54,000 ACFM of flue gas at a temperature of approximately 380 °F.

The ash conveying and storage system includes a pneumatic conveying system that receives ash from the cooling conveyor discharge on the gasification unit and transports it to two (2) storage tanks. Each storage tank is equipped with a pneumatic receiver that discharges ash to the storage tank and exhaust conveying air to a common header that directs the air through a fabric filter to control particulate emissions from the conveying system (SN-181). The storage tanks are designed for unloading into trucks that transport the ash to off-site utilization or disposal facilities. The system is designed to load trucks at the rate of approximately 60 tons per hour.

The truck loading area will be enclosed in a drive-through type shed (SN-182) that will be designed to minimize fugitive emissions from the truck loading operations.

Total raw grain storage (dried and non-dried) is in excess of 1,000,000 bushels and thus is subject to 40 CFR Part 60, Subpart DD.

Regulations

The following table contains the regulations applicable to this permit.

Regulations
Arkansas Air Pollution Control Code, Regulation 18, effective June 18, 2010

Regulations
Regulations of the Arkansas Plan of Implementation for Air Pollution Control, Regulation 19, effective July 18, 2009
Regulations of the Arkansas Operating Air Permit Program, Regulation 26, effective January 25, 2009
40 CFR Part 60, Subpart DD – Standards of Performance for Grain Elevators
40 CFR Part 64 – Compliance Assurance Monitoring

Emission Summary

The following table is a summary of emissions from the facility. This table, in itself, is not an enforceable condition of the permit.

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
Total Allowable Emissions		PM PM_{10} SO_2 VOC CO NO_X	142.3 49.3066 16.8 7.1 21.7 54.0	215.4 112.6 67.5 27.5 92.1 236.5
HAPs		Hexane*	0.42	1.58
001	Unit #3 Receiving Pit	PM PM_{10}	0.6 0.12	6.6 5.0
002	Unit #4 Receiving Pit	PM PM_{10}	0.6 0.12	
012	Unit #7 Receiving Pit, Dump #5, (Installed 1991)	PM PM_{10}	0.9 0.19	
013	Unit #7 Receiving Pit, Dump #7	PM PM_{10}	0.9 0.19	
022	Unit #8 Receiving Pit, Dump #8	PM PM_{10}	0.6 0.117	
023	Unit #8 Receiving Pit, Dump #9	PM PM_{10}	0.6 0.117	
037	Elevator H Annex North Receiving Pit (Pit #7)(Fugitive Emissions)	PM PM_{10}	0.9 0.22	

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
038	Elevator H Annex South Receiving Pit, (Pit #15)(Fugitive Emissions)	PM PM_{10}	0.9 0.22	
044	Elevator H North Receiving Pit, (Pit #10) (Fugitive Emissions)	PM PM_{10}	0.3 0.08	
045	Elevator H South Receiving Pit, (Pit #16)(Fugitive Emissions)	PM PM_{10}	0.3 0.08	
052	Units #1 and #2 Receiving Pit #1 (Fugitive Emissions)(Installed 1995)	PM PM_{10}	0.2 0.04	
145	Bran Stabilization Raw Rice Bran Receiver	PM PM_{10}	0.3 0.27	
173	Parboil Rejects Receiver	PM PM_{10}	0.2 0.16	
174	Rivland Sifter Receiver	PM PM_{10}	0.2 0.20	
175	Rivland Bagging Receiver	PM PM_{10}	0.2 0.20	
186	Flat Storage Receiving	PM PM_{10}	5.2 1.15	
191	Flat Storage #2 Receiving	PM PM_{10}	5.2 1.15	
003	Unit #3 Upper Dust System	PM PM_{10}	0.1 0.051	0.1 0.1
004	Unit #3 Lower unit, Unit #4 Headhouse Dust System	PM PM_{10}	0.2 0.11	0.1 0.1
005	Dump #3 and#4 Baghouse	PM PM_{10}	0.1 0.0003	0.1 0.1
006	Unit #3 Shanzer Dryer (West), 11.0 MM BTU/hr, (installed 1996)	PM PM_{10} SO_2 VOC CO NO_X Hexane	7.1 1.83 0.1 0.1 1.0 1.1 0.02	0.9 0.6 0.1 0.3 4.1 4.8 0.09

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
007	Unit #3 Shanzer Dryer (East), 11.0 MM BTU/hr, (installed 1996)	PM PM_{10} SO_2 VOC CO NO_X Hexane	7.1 1.83 0.1 0.1 1.0 1.1 0.02	0.9 0.6 0.1 0.3 4.1 4.8 0.09
008	Unit #4 Shanzer Dryer (West), 11.0 MM BTU/hr, (installed 1996)	PM PM_{10} SO_2 VOC CO NO_X Hexane	7.1 1.83 0.1 0.1 1.0 1.1 0.02	0.9 0.6 0.1 0.3 4.1 4.8 0.09
009	Unit #4 Shanzer Dryer (East), 11.0 MM BTU/hr, (installed 1996)	PM PM_{10} SO_2 VOC CO NO_X Hexane	7.1 1.83 0.1 0.1 1.0 1.1 0.02	0.9 0.6 0.1 0.3 4.1 4.8 0.09
010	Unit #3 and #4 Trash Tank	PM PM_{10}	0.1 0.004	8.9 5.1
011	Unit #3 and #4 Loadouts	PM PM_{10}	2.6 0.87	
020	Unit #7 Trash Tank	PM PM_{10}	0.2 0.02	
021	Unit #7 Loadouts	PM PM_{10}	2.6 0.87	
036	Unit #8 Loadouts, (Fugitive Emissions)	PM PM_{10}	2.6 0.87	
089	Parboil Shipping Loadouts, (Fugitive Emissions)	PM PM_{10}	0.1 0.02	
121	Rivland Truck Loadouts (with baghouse)	PM PM_{10}	0.2 0.20	
180	Gasifier Hull Receiving Tank	PM PM_{10}	0.1 0.01	
181	Gasifier Ash Receiving Tank	PM PM_{10}	0.1 0.01	

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
182	Gasifier Ash Loadout	PM PM_{10}	0.5 0.20	
187	Flat Storage Loadout (with mineral oil)	PM PM_{10}	2.4 0.80	
192	Flat Storage #2 Loadout	PM PM_{10}	2.4 0.80	
200	Rivland Rail Loading System #2 (with baghouse)	PM PM_{10}	0.4 0.34	
201	Rivland Rail Loading System #3 (with baghouse)	PM PM_{10}	0.4 0.34	
014	Unit #7, Dump #5 and Scalperator Baghouse	PM PM_{10}	0.5 0.36	0.1 0.1
015	Dump #7 and Lower Dust System Baghouse	Removed From Service		
015A	Unit #7 Aspirator with Baghouse	PM PM_{10}	0.9 0.23	0.2 0.1
015B	Unit #7, East Shanzer Aspirator with Baghouse	PM PM_{10}	0.5 0.12	0.2 0.1
016	Unit #7 Upper Dust System	PM PM_{10}	0.3 0.16	0.1 0.1
017	Unit #7 Shanzer 7R7 Dryer, 25.9 MM BTU/hr (Installed 2007)	PM PM_{10} SO_2 VOC CO NO_X Hexane	1.2 0.45 0.1 0.2 2.2 2.6 0.05	1.0 1.0 0.1 0.7 9.6 11.4 0.21
018	Unit #7 Shanzer Dryer, 10.0 MMBTU/hr, (Installed 1987)	PM PM_{10} SO_2 VOC CO NO_X Hexane	0.6 0.23 0.1 0.1 0.9 1.0 0.02	0.6 0.5 0.1 0.4 3.7 4.4 0.08
019	Unit #7 Hull System	Removed From Service		

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
024	Dump #8 and #9 Aspirations Systems with Baghouse	PM PM_{10}	0.1 0.0003	0.1 0.1
025	Unit #8 Headhouse Dust System	PM PM_{10}	0.2 0.102	0.1 0.1
026	Unit #8 Receiving Tripper with Baghouse	PM PM_{10}	0.2 0.102	0.1 0.1
027	Unit #8 Dryer Tripper with Baghouse	PM PM_{10}	0.2 0.102	0.1 0.1
028	Unit #8 Lower Headhouse Dust System with Baghouse	PM PM_{10}	0.2 0.102	0.1 0.1
029	Unit #8 Tripper Trash Tank	PM PM_{10}	0.1 0.011	0.1 0.1
030	Unit #8 Berico Dryer #1, 7.0 MMBTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	5.1 1.292 0.1 0.1 0.6 0.7 0.02	1.4 0.6 0.1 0.2 2.6 3.1 0.06
031	Unit #8 Berico Dryer #2, 7.0 MM BTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	5.1 1.292 0.1 0.1 0.6 0.7 0.02	1.4 0.6 0.1 0.2 2.6 3.1 0.06
032	Unit #8 Berico Dryer #3, 7.0 MM BTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	5.1 1.292 0.1 0.1 0.6 0.7 0.02	1.4 0.6 0.1 0.2 2.6 3.1 0.06

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
033	Unit #8 Berico Dryer #4, 7.0 MM BTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	5.1 1.292 0.1 0.1 0.6 0.7 0.02	1.4 0.6 0.1 0.2 2.6 3.1 0.06
034	Unit #8 East Trash Tank	PM PM_{10}	0.1 0.003	0.1 0.1
035	Unit #8 West Trash Tank	PM PM_{10}	0.9 0.225	0.1 0.1
039	Elevator H Annex Receiving Pits, Baghouse	PM PM_{10}	0.1 0.02	0.1 0.1
040	Elevator H Annex Upper Nuisance Dust System	PM PM_{10}	0.4 0.19	0.2 0.1
041	Elevator H Annex Lower Nuisance Dust System	PM PM_{10}	0.4 0.19	0.2 0.1
042	Elevator H Annex Floor Sweeps System	PM PM_{10}	0.4 0.19	0.2 0.1
043	Elevator H Annex Trash Tank	PM PM_{10}	0.1 0.02	0.1 0.1
046	Elevator H Receiving Pit Baghouse	PM PM_{10}	0.1 0.012	0.1 0.1
047	Elevator H Scalperators Aspiration	PM PM_{10}	0.2 0.15	0.1 0.1
048	Elevator H Upper Nuisance Dust System	PM PM_{10}	0.1 0.07	0.1 0.1
049	Elevator H Boot Pit Dust System	PM PM_{10}	0.1 0.07	0.1 0.1
050	Elevator H Basement Dust System	PM PM_{10}	0.1 0.07	0.1 0.1
051	Elevator H Trash Tank	PM PM_{10}	0.1 0.005	0.1 0.1
053	Units #1 and #2 Receiving Pit #2, (Fugitive Emissions), (Installed 1995)	Removed From Service		
054	Units #1 and #2 Upper Nuisance Dust System Baghouse	PM PM_{10}	0.1 0.04	0.1 0.1

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
055	Units #1 and #2 Lower Nuisance Dust System Baghouse	PM PM_{10}	0.1 0.04	0.1 0.1
056	Units #1 and #2 Lower Dust Baghouse	PM PM_{10}	0.1 0.04	0.1 0.1
057	Units #1 and #2 Basement Dust System	PM PM_{10}	0.1 0.035	0.1 0.1
058	Unit #1 Hess Dryer #1, 4.0 MM BTU/hr	Removed From Service		
059	Unit #1 Hess Dryer #2, 4.0 MM BTU/hr	Removed From Service		
060	Unit #2 Hess Rejection Dryer 3.0 MM BTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	0.5 0.20 0.1 0.1 0.3 0.3 0.01	0.7 0.3 0.1 0.1 1.1 1.3 0.03
061	Unit #1 and #2 Trash Tank	PM PM_{10}	0.1 0.003	0.1 0.1
062	Parboil Plant Dust System #1 Baghouse	PM PM_{10}	0.1 0.018	0.2 0.1
063	Parboil Plant Dust System #2 Baghouse	PM PM_{10}	0.1 0.018	0.2 0.1
064	Parboil Plant Dust System #3 Baghouse	PM PM_{10}	0.1 0.018	0.2 0.1
065	Parboil Plant Dust System #4 Baghouse	PM PM_{10}	0.1 0.018	0.2 0.1
066	Parboil Plant Dust System #5 Baghouse	PM PM_{10}	0.1 0.018	0.2 0.1
067	Parboil Plant Dust System #6 Baghouse	PM PM_{10}	0.1 0.018	0.2 0.1
068	Parboil Plant Rotary Dryer, 3.0 MM BTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	0.4 0.10 0.1 0.1 0.3 0.3 0.01	1.2 0.4 0.1 0.1 1.1 1.3 0.03

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
069	Parboil Plant Rotary Dryer 3.0 MM BTU/hr	PM	0.4	1.2
		PM_{10}	0.10	0.4
		SO_2	0.1	0.1
		VOC	0.1	0.1
		CO	0.3	1.1
		NO_X	0.3	1.3
		Hexane	0.01	0.03
070	Parboil Plant Rotary Dryer 3.0 MM BTU/hr	PM	0.7	2.4
		PM_{10}	0.17	0.7
		SO_2	0.1	0.1
		VOC	0.1	0.1
		CO	0.3	1.1
		NO_X	0.3	1.3
		Hexane	0.01	0.03
071	Parboil Plant Water Boiler, 31.0 MM BTU/hr, (Installed 1977)	PM	0.3	1.0
		PM_{10}	0.24	1.0
		SO_2	0.1	0.1
		VOC	0.2	0.9
		CO	2.6	11.4
		NO_X	3.1	13.6
		Hexane	0.06	0.25
072	Mill L Nuisance Dust System	PM	0.1	0.3
		PM_{10}	0.016	0.1
073	Mill L Nuisance Dust System	PM	0.1	0.3
		PM_{10}	0.016	0.1
074	Mill L Nuisance Dust System	PM	0.1	0.3
		PM_{10}	0.016	0.1
075	Mill L Nuisance Dust System	PM	0.1	0.3
		PM_{10}	0.016	0.1
076	Mill L Rough Rice Monitor	PM	0.3	1.1
		PM_{10}	0.07	0.3
077	Mill L Scalperators Aspiration	PM	0.1	0.3
		PM_{10}	0.041	0.2
078	Mill L #1 Chaff Monitor Baghouse	PM	0.1	0.3
		PM_{10}	0.016	0.1
079	Mill L #2 Chaff Monitor Baghouse	PM	0.1	0.3
		PM_{10}	0.016	0.1
080	Mill L SN-184 / 185 Bran Receiver	PM	0.1	0.4
		PM_{10}	0.08	0.4

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
081	Mill L Nuisance Dust System	PM PM_{10}	0.1 0.04	0.3 0.2
082	Mill L Nuisance Dust System	PM PM_{10}	0.1 0.04	0.3 0.2
083	Mill L 1st Break Whiteners Bagfilter	Removed From Service		
084	Mill L 1st Break Whiteners Bagfilter	Removed From Service		
085	Mill L 2nd Break Whiteners Bagfilter	Removed From Service		
086	Mill L 2nd Break Whiteners Bagfilter	Removed From Service		
087	Mill L 2nd Break Whiteners Bagfilter	Removed From Service		
088	Mill L 2nd Break Whiteners Bagfilter	Removed From Service		
090	Mill J Rough Rice Scalperator Baghouse	Removed From Service		
091	Mill J Rough Rice Buhler Screeners Baghouse	Baghouse Removed Emissions Routed to Baghouse at SN-203		
092	Mill J Rough Rice Buhler Destoners Baghouse	Baghouse Removed Emissions Routed to Baghouse at SN-203		
093	Mill J Buhler Aspirator Baghouse	Baghouse Removed Emissions Routed to Baghouse at SN-203		
094	Mill J Rough Rice Conveyors Bag House	Baghouse Removed Emissions Routed to Baghouse at SN-203		
095	Mill J Shellers #1-12 Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1
096	Mill J Shellers #13-24 Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1
097	Mill J Chaff Monitor #1 (East Side) Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1
098	Mill J Chaff Monitor #2 (East Side) Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1
099	Mill J Chaff Monitor #3 (East Side) Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1
100	Mill J Chaff Monitor #4 (East Side) Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
101	Mill J Chaff Monitor #3 (West Side) Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1
102	Chaff Monitor #4 (West Side) Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1
103	Mill J Aspirator Above Carter Rejects Grader Baghouse	Removed From Service		
104	Mill J Carter Rejects Aspirator Baghouse	Removed From Service		
105	Main Line Paddy Baghouse	PM PM_{10}	0.1 0.03	0.3 0.1
106	Mill J Trunk of West Pearler Line (Belt 1)	Removed From Service		
107	Mill J Trunk of East Pearler Line (Belt 2)	Removed From Service		
108	Mill J Trunk of Heads, Brewers, & Carter Rejects Pearlers Baghouse	Removed From Service		
109	Mill J #2 and #3 Fancy Aspirators Baghouse	Removed From Service		
110	Mill J Head Aspirator Baghouse	Removed From Service		
111	Mill J Brewer Aspirator Baghouse	Removed From Service		
112	Mill J H10 Screw Conveyors and Elevator Legs (North End - E18)	PM PM_{10}	0.1 0.027	0.2 0.1
113	Mill J Screw Conveyors and Elevators Legs (Rough Rice Shellers)	PM PM_{10}	0.1 0.027	0.2 0.1
114	Mill J H10 Screw Conveyors and Elevator Legs (South End - E18)	PM PM_{10}	0.1 0.027	0.2 0.1
115	Mill J H10 Screw Conveyors and Elevator Legs (North End - E27)	PM PM_{10}	0.1 0.027	0.2 0.1
116	Mill J H10 Screw Conveyors and Elevator Legs (South End - E27)	Baghouse removed. Emissions routed to SN-205.		

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
117	Mill J H10 Screw Conveyors and Elevator Legs (SC6 - SC7)	PM PM_{10}	0.1 0.027	0.2 0.1
118	Mill J Screw Conveyors and Elevator Legs (Hulls, Chicken Feed and Rice)	PM PM_{10}	0.1 0.027	0.2 0.1
119	Mill J Screw Conveyors and Elevator Legs (Rough Rice Shellers to E15)	Baghouse removed. Emissions routed to SN-205.		
120	Rivland Hammermills and Sifters Baghouse	PM PM_{10}	0.2 0.14	0.6 0.6
122	Mill K Rough Rice Conveyors and Elevators Baghouse	Removed From Service		
123	Mill K Sheller Aspirators Baghouse	Removed From Service		
124	Mill K Rough Rice Monitors Baghouse	Removed From Service		
125	Mill K Bran Baghouse	Removed From Service		
126	Parboil Clean Rice Ventilation	PM PM_{10}	0.2 0.152	0.7 0.7
127	By-Products Mill K Hulls Receiving Baghouse	Removed From Service		
128	By-Products Mill J Hulls Receiving Baghouse	PM PM_{10}	0.1 0.027	0.2 0.1
129	By-Products Mill L Hulls Receiving Baghouse	PM PM_{10}	0.1 0.018	0.2 0.1
130	By-Products Underground Hulls Receiving Bins Baghouse	PM PM_{10}	0.1 0.06	0.4 0.3
131	By-Products Hulls Rail Loadout	PM PM_{10}	0.1 0.06	0.4 0.3
132	By-Products Hull Hammermill Baghouse	PM PM_{10}	0.1 0.06	0.4 0.3
133	By-Products Hull Hammermill Baghouse	PM PM_{10}	0.4 0.36	1.3 1.3
134	By-Products Hull Hammermill Baghouse	PM PM_{10}	0.1 0.06	0.4 0.3

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
135	By-Products Hull Hammermill Baghouse	PM PM_{10}	0.1 0.06	0.4 0.3
136	By-Products Hull Hammermill Baghouse	PM PM_{10}	0.1 0.06	0.4 0.3
137	By-Products Mill J Chicken Feed Receiving Baghouse	PM PM_{10}	0.1 0.027	0.1 0.1
138	By-Products Mill K Chicken Feed Receiving Baghouse	Removed From Service		
139	By-Products Parboil Mill Chicken Feed Receiving Baghouse	PM PM_{10}	0.1 0.018	0.2 0.1
140	By-Products Chicken Feed Hammermill Baghouse	PM PM_{10}	0.2 0.06	0.4 0.3
141	Mill J Bran Receiving Baghouse	PM PM_{10}	0.2 0.121	0.4 0.4
142	Mill K Bran Receiving Baghouse	Removed From Service		
143	Mill L Bran Receiving Baghouse	PM PM_{10}	0.1 0.08	0.4 0.4
144	Bran Plant Dryer, Hot Air Cyclone 5.7 MMBTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	0.2 0.16 0.1 0.1 0.6 0.6 0.02	0.7 0.6 0.1 0.2 2.1 2.5 0.05
146	By-Products Loadout System	PM PM_{10}	0.2 0.06	0.6 0.2
147	By-Products Loadout System	PM PM_{10}	0.2 0.06	0.6 0.2
148	New Clean Rice Aspirator Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
149	New Clean Rice Nuisance Dust System Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
150	New Clean Rice Nuisance Dust System Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
151	New Clean Rice Monitor #1 Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
152	New Clean Rice Monitor #1 Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
153	New Clean Rice Monitor #2 Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
154	New Clean Rice Monitor #2 Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
155	New Clean Rice Monitor #3 Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
156	New Clean Rice Monitor #3 Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
157	New Clean Rice Carter Cay #1 and #2 Cleaning Machines Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
158	New Clean Rice Monitor #4 Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
159	New Clean Rice Buhler Maig Grain Separator Baghouse	PM PM_{10}	0.1 0.017	0.3 0.1
160	New Clean Rice Bulk #1 Loadout	PM PM_{10}	0.1 0.03	0.3 0.1
161	New Clean Rice Bulk #2 Loadout	PM PM_{10}	0.1 0.03	0.3 0.1
162	New Clean Rice Bulk #3 Loadout	PM PM_{10}	0.1 0.03	0.3 0.1
163	Bran Expander Steam Boiler 4.2 MM BTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	0.1 0.04 0.1 0.1 0.4 0.4 0.01	0.2 0.2 0.1 0.1 1.5 1.8 0.04
164	Mill J Destoner Hull Bin	PM PM_{10}	0.1 0.05	0.2 0.2
165	Mill J Lime System	PM PM_{10}	0.1 0.009	0.1 0.1
166	Elevator H Annex East Baghouse	PM PM_{10}	0.4 0.19	0.2 0.1

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
167	Units #1 and #2 Receiving Pit Baghouse	PM PM_{10}	0.1 0.01	0.1 0.1
168	By-Products #1 Nuisance Dust Baghouse	PM PM_{10}	0.4 0.19	0.4 0.3
169	Mill J cleanup Trash Tank	Removed From Service		
170	Mill J Bran Baghouse	Removed From Service		
171	Mill J Satake 1st Pass Mills (Installed 1996)	PM PM_{10}	0.2 0.13	0.4 0.4
172	Mill J Satake 3rd Pass Mills (Installed 1996)	PM PM_{10}	0.2 0.13	0.4 0.4
176	Mill First Break Whiteners Bagfilter	PM PM_{10}	0.1 0.08	0.4 0.4
177	Mill J Bran Receiver Baghouse	PM PM_{10}	0.2 0.13	0.4 0.4
178	Parboil Plant Shanzer Dryer 29.1 MMBTU/hr	PM PM_{10} SO_2 VOC CO NO_X Hexane	3.6 1.10 0.1 0.2 2.4 2.9 0.06	15.6 4.7 0.1 0.9 10.7 12.7 0.23
179	Thermal Energy Conv. System	PM PM_{10} SO_2 VOC CO NO_X	30.0 15.0 15.0 5.0 5.0 35.0	131.4 65.7 65.7 21.9 21.9 153.3
183	Elevator H Baghouse	PM PM_{10}	0.2 0.04	0.1 0.1
184	Mill L 2nd Break Bran Receiver	PM PM_{10}	0.1 0.08	0.4 0.4
185	Mill L 3rd Break Bran Receiver	PM PM_{10}	0.1 0.08	0.4 0.4
188	Elevator H Baghouse	PM PM_{10}	0.7 0.37	0.4 0.3
189	Unit #7, Lower Dust System with Baghouse	PM PM_{10}	0.5 0.27	0.2 0.1
190	Mill L 1st Break Bran	PM	0.1	0.4

EMISSION SUMMARY				
Source Number	Description	Pollutant	Emission Rates	
			lb/hr	tpy
	Receiver Baghouse	PM_{10}	0.08	0.4
193	Bran Plant Dryer, Cooling Cyclone	PM PM_{10}	0.3 0.19	1.1 0.7
194	Unit #7, Dump #7 and Scalper Dust System	PM PM_{10}	2.8 0.80	0.5 0.2
195	Rivland Bran Receiver	PM PM_{10}	0.1 0.02	0.1 0.1
196	Rivland Flour Mill and Aspirator	PM PM_{10}	0.1 0.04	0.2 0.2
197	Mill J Destoner Baghouse	PM PM_{10}	0.3 0.24	0.7 0.7
198	Rivland Trk Loading Baghouse	Removed From Service		
199	Parboil Plt Graders Baghouse	PM PM_{10}	0.2 0.16	0.7 0.7
202	Co-Products PBH Baler with Baghouse	PM PM_{10}	0.1 0.1	0.1 0.1
203	Mill J Screeners/Destoners with Baghouse	PM PM_{10}	0.4 0.1	1.0 0.3
205	Mill J Screw Conveyors and Elevator Legs with Baghouse	PM PM_{10}	0.1 0.054	0.3 0.2

*HAPs included in the VOC totals. Other HAPs are not included in any other totals unless specifically stated.

**Air Contaminants such as ammonia, acetone, and certain halogenated solvents are not VOCs or HAPs.

SECTION III: PERMIT HISTORY

This permit is an amalgamation of the following:

Jonesboro Rice Mill (Formerly AFIN: 16-00101)

July 26, 1974 - 240-A
Air permit was assigned to Riceland Foods. This permit covered operation of the old Mill K.

July 23, 1976 - 341-A
Air Permit was assigned to Riceland Foods to cover the installation and operation of a new rice mill.

July 23, 1976 - 342-A
Air Permit was assigned to Riceland Foods to cover the installation and operation of a clean rice storage facility.

March 24, 1978 - 462-A
Air Permit was assigned to Riceland Foods to cover the construction and operation of a grain storage elevator for receiving and storage of dried rice.

February 26, 1991 - Revision 462-AR-1 (Consolidated)
Air Permit was issued to consolidate existing processes. The processes that were consolidated are Mill K, Mill L, Units #1 and #2, Parboil Clean Rice, New Clean Rice, and the Parboil Plant.

June 11, 1992 - Revision 462-AR-2
Air Permit was issued, to change the emission quantities at SN-01 and SN-03 by changing from a positive air flow to a negative air flow at the baghouse receiver.

September 14, 1993 - Revision 462-AR-3
Air Permit was issued to cover the installation and operation of a bran stabilization plant. The bran stabilization plant receives raw bran from the rice milling operations and prepares the bran for the oil extraction process.

January 28, 1977 - 379-A
Air Permit was assigned to Riceland Foods to cover the construction and operation of a rice parboil mill. The mill received raw materials from the new parboil plant.

May 27, 1983 - Revised 379-AR-1
A revised air permit was issued to cover the replacement of three cyclones with three baghouses.

April 27, 1983 - Revised 379-AR-2
A revised air permit was issued to cover the installation and operation of a new vacuum system to remove dust in the Parboil Clean Rice Sortex building and transfer bridge.

November 19, 1976 - 380-A
Air Permit was assigned to Riceland Foods to cover the installation and operation of a new rice parboil plant.

September 25, 1970 - 032-A
Air permit was assigned to Arkansas Rice Growers Coop. Association. This permit covered operation of the Old By-Products Plant.

July 23, 1976 - 343-A
Air Permit was assigned to Riceland Foods to cover the installation and operation of a new By-Products plant.

April 27, 1983 - 343-AR-1
A revised air permit was issued to cover the installation and operation of a new vacuum system.

April 27, 1983 - 343-AR-1
A revised air permit was issued to cover the replacement of two hammer mills and a conveyor system.

November 19, 1976 - 384-A
Air Permit was issued to the Jonesboro Grain Drying Cooperative.

November 25, 1991 - Revised 384-AR-1
An air permit was issued to cover the installation of two additional baghouses and for the replacement of one truck dump.

July 30, 1997 - 462-AR-4 (Consolidated)
Consolidated 462-AR-3 and 384-AR-1

August 26, 1998 - 462-AR-4
Installation and operation of a pneumatic conveying system for parboil rice rejects.

October 20, 1998 - 462-AR-4
Increase allowable annual wheat receipts, permit existing sources that are vented to the atmosphere, include a trash tank variance, and standardize the opacity limits.

January 4, 1999 - 462-AR-4
Allow installation and operation of new milling equipment in the mill L complex, account for emission changes because of mill K closure, and authorize the installation and operation of a Parboil clean rice storage bin ventilation system.

December 22, 1999 - 462-AR-4
Allow installation and operation of new rice bran collection system. The new bag filter is a replacement for the existing system.

July 7, 2000 - 462-AR-4
Installation of a new Shanzer dryer to replace the existing third stage Hess dryers.

J-Tecs, L.L.C. (Formerly AFIN: 16-00285)

October, 1996 - 1705-A
The first permit, to use 70.2 MMBtu/hr of gasified hulls to produce hot air and steam; permitted emissions of 27.8 tpy of PM/PM_{10} , 34.2 tpy of NO_x, 32.4 tpy of CO, and 13.8 tpy of VOC.

Riviana Foods, Inc (Formerly AFIN: 16-00284)

October 8, 1996 - 1704-A
This is the permit to construct a rice hull gasification plant.

Riceland Foods, Inc. (16-00101)

Sept. 18, 2001 - 462-AOP-R0
The modification accomplished four things: Consolidated multiple facilities into one permit; incorporated revised operating data, physical testing results, and the Grain Handling and Grain Processing emission factors from Chapter 9 of AP-42; Added a new baghouse; and documented usage of fumigants. Independently, both the grain dryers and the rice mill complex were under 100 tpy. The combined application subjected the facility to Regulation 26 (Title V Operating Permit).

Sept. 18, 2001 - 462-AOP-R1
This permit modified the Mill "L" (parboil rice mill) bran collection system and the Elevator H system. The maximum capacity did not change nor did the emissions from bran collection increase.
The Mill "L" milling operation (a three pass, known as a 3 break system) improved the 2nd and 3rd break bran collection system by the addition of two new bagfilters. The 2nd break filter was assigned source number 184 and the 3rd break system is source number 185. Bran from the new filters is pneumatically conveyed to source number 80. Sources 81 and 82 were converted to nuisance dust systems. The remaining filters (83 thru 88) were taken out of service but left in place for future use.
Elevator H was expanded to include a new 820,000 bushel Flat Storage building with a receiving station (SN-186), a load-out station (SN-187), stacking/reclaim conveyors and an enclosed elevator (conveyor). The stacking/reclaim conveyors and the enclosed elevator (conveyor) were sealed and thus not expected to be a source of emissions. Flat Storage replaced the temporary "Pod" storage. The improvement did not increase the yearly rice receipts or the production. The new flat storage is not physically connected to Elevator H by any conveyors. It is called part of the Elevator H operation because the Flat Storage will act as a rice terminal. Rice is moved from Flat Storage to Elevator H for distribution. Storage/retrieval from Flat Storage is accomplished by conveyors rated at 6,500 bu/hr. The PM_{10} emissions from this addition are less than one ton per year.
The project affected the following sources:

Source	Before Mill L Mod.	After Mill L Mod.
80	2 & 3 break collector	184 & 185 bran collection
81	2 & 3 break collector	nuisance dust system
82	2 & 3 break collector	nuisance dust system
83	2 & 3 break collector	out of service

84	2 & 3 break collector	out of service
85	2 & 3 break collector	out of service
86	2 & 3 break collector	out of service
87	2 & 3 break collector	out of service
88	2 & 3 break collector	out of service
184	new 2 break collector	
185	new 3 break collector	
186	Flat Storage receiving	
187	Flat Storage loading	

December 11, 2002 - 462-AOP-R2

The modification combined two Title V Minor Modifications. The applications were received May 13, 2002 and August 27, 2002. These modifications did not involve the installation of any grain handling equipment nor did the modifications increase plant capacity.

On April 2, 2002, Environmental Services Company (ESC) performed the initial compliance test for SO_2, CO, VOC, and NOx for the gasifier (SN-179). At the time of testing, the production rate averaged 6.52 ton/hr or about 87% of capacity. With the exception of NOx, the pollutants tested within their permitted emission rates. During the first hour of testing NOx averaged 25.15 lb/hr; slightly over the permit limit. Extrapolating the 25.15 lb/hr to the permitted gasification rate resulted in a rate of 28.91 lb/hr.

On May 7, 2002, ESC performed the particulate (PM_{10}) portion of the emissions test using Method 201A and Method 202, as required by the permit. Due to a laboratory error the Method 202 portion of the test could not be included in the report and was not included in the results. Even without the 202 portion of the test the PM_{10} emission rate averaged 9.66 lb/hr with a one hour high of 10.11 lb/hr.

Modifications as a result of testing were as follows:

- Increased the permitted NO_x emission rate for SN-179 to 35 lb/hr.
- Change the PM_{10} emission rate to a PM/PM_{10} emission rate and permit the PM_{10} at the same level as PM, which is 30 lb/hr.
- The previous permit required the testing of PM_{10} using EPA Methods 201A (PM_{10}) and 202 (back half - condensable). Riceland now uses both Method 5 (PM/PM_{10} - a less expensive test) and 202 (back half - condensable) for particulate emission rate testing.

The modification improved the Elevator H Annex nuisance dust system by having an additional bagfilter. The additional bagfilter was used for the Tripper floor nuisance dust system.

The Mill K shutdown in 1998 left several bagfilters unused. Riceland relocated one of these (SN-188) to the H Annex to be used as a tripper belt dust system. The relocated filter had 207 socks that are 10 feet long and 6 inches in diameter.

April 5, 2003 – 462-AOP-R3

This modification combined two Title V Minor Mods. Both applications were received November 25, 2002. These modifications do not increase plant capacity.

- Two hammer mills and an existing baghouse (SN-133) were replaced. PM/PM_{10} emissions increased to 0.4 tph and 1.2 tpy.
- Two flour grinding mills were added to increase production from 250 to 400 cwt/hr and the existing baghouse (SN-120) is replaced. PM/PM_{10} emissions increased to 0.3 tph and 1.1 tpy.

December 12, 2003 - 462-AOP-R4

Upgraded the nuisance dust systems of Unit #7 at the Jonesboro facility. Unit 7 had a hull collection cyclone (SN-19), a truck dump and lower dust system baghouse (SN-15). Riceland eliminated the hull cyclone, by sending the hulls to the SN-15 baghouse. The lower dust system was given its own dust system with a new Aircon bagfilter. The new arrangement is a baghouse for the hull system and truck dump (SN-15) and a new bagfilter for the lower dust system (SN-189). The new Aircon filter is a model CAR 193-10 with an extended body. The new Aircon filter was elevated with a hopper bottom for loading material directly onto trucks. The expected PM_{10} emissions increased less than 1 ton per year.

Rice milling (Mill "L" milling operation) is a three-break system (a.k.a. Three-pass system). The milling is referred to as a three-break system because the shelled rice must pass through three separate sets of milling machines. The 1st break consists of KB40s and VTAs milling machines. The bran generated from the KB40s machines is collected by a new Aircon bagfilter (model CAR376-10; 5,660 sf of filter; 27,000 acfm). The baghouse does not increase the mill capacity, the amount of bran generated, nor the emissions resulting from the bran collection process. The new baghouse is identified by SN-190.

March 19, 2004 - 462-AOP-R5

This modification permitted the construction of a new 820,000 bushel enclosed Flat Storage building (Flat Storage #2) including a receiving and load out station. The new building allowed the Jonesboro facility and other Riceland facilities in northern Arkansas to reduce the use of "pod" storage during the rice harvest. This was a storage improvement and was considered part of the Unit H storage elevator. The project does not increase the yearly rice receipts nor the production of the Jonesboro plant. The Flat Storage is physically connected to Elevator H by any conveyors; Flat Storage (FS) is part of the Elevator H operation because FS will act as a rice terminal. Once filled, rice is moved from the FS to Elevator H for distribution to the milling operations. All conveyors transporting rice into and out of FS are rated at 6,500 bu/hr. The FS receipts are accounted for in the Jonesboro facility's yearly receipt limit. The expected PM emission increased 1.1 ton per year.

June 3, 2004 - 462-AOP-R6

Permit Application 11-17-03

This permit authorized a 1,350 square foot addition onto the existing building (Bran Stabilization plant), the replacement of the existing Belt-O-Matic dryer with an Aeroglide horizontal dryer (model C2-120-91 RGC), and the installation of an additional cyclone. The production rate of the stabilization plant did not increase. Allowable PM emission increases (PM_{10}-1.3 pph/4.6 tpy: PM -2.4 pph/8.5 tpy) are attributed to the addition of a new cyclone.

The rice milling process generates rice bran that is considered a by-product. Bran is sold into the animal feed industry and /or used in rice bran oil processing. The rice bran used in oil processing is collected at the Stabilization Plant. The bran is mixed with steam to stabilize the enzymes and then sent to expanders to create collets. The collets drop from the expanders onto a belt that transfers them to a dryer. The dried collets are shipped to Stuttgart for oil extraction.

The existing dryer is approximately 10 years old and in need of replacement (SN-144: Bran Stabilization Plant Dryer/Cooler). The new, more efficient Aeroglide horizontal dryer (Model C2-120-91-RGC) is approximately 30 feet longer than the existing dryer and requires that the building to be extended approximately 45 feet. The new dryer also requires two separate fan/cyclone systems (one for the drying section and one for the cooling section). The existing cyclone/fan is used for the cooling section of the new dryer and was redesignated as SN-193, Bran Plant Dryer Cooling Cyclone. Aeroglide provided a new cyclone for the drying section, it will be designated SN-144, Bran Plant Dryer Hot Air Cyclone. The new cyclone kept the existing source number (SN-144) because of the combustion emissions.

Permit Application Submitted 12-26-03

This permit modification replaced two existing closed-circuit scalperators with two open-circuit scalperators, added a new dust system, and modifed an existing dust system for Unit 7. The allowable PM_{10} emissions increased is 0.2 ton per year.

A closed-circuit scalper does not require a dust system; the air entering the machine through the feed spouts is recirculated by the scalper. The recirculating dust impedes the visual inspection of the scalpers internal operation. The operator is not able to adjust the speed of the machine based on the amount of trash in the grain.

The open circuit-scalper has removable front panels. An operator can view the cleaning roll as grain falls and make speed adjustments. The scalperators are Carter Day, model 24 x 84, style DCV7, rated at about 4,000 bushels per hour each.

The open-circuit scalperators required the installation of a new baghouse/trash tank combination and the modification of an existing system (Dump 7 & Scalper Dust System, designated SN-194). The new SN-194 dust system provides aspiration to the Dump #7 receiving pit and the two new scalperators. The dust and scalpings are collected by an Aircon bagfilter model CAR 193-10 with a hopper bottom and load out screw for truck loading.

The Dump #7 and Hull System (SN-15) was being modified. The SN-15 bagfilter is an old single Tech-Air body that has been retrofitted with dual Aircon CAS 81-10 plenums (bags and cages). The Tech-Air body was removed and new plenums were built, creating two separate dust systems. The new systems are dedicated to the hull collection systems. Source SN-15A is the collection system for the Berico dryer screen sweep, hull and floor systems and source SN-15B will be collection system for the Shanzer dryer screen sweep, hull and floor systems.

November 29, 2004 - 462-AOP-R7

Application August 11, 2004, RIVLAND BAG FILTER RELOCATION:

Riceland Foods is permitting the relocation of two existing bag filters at the Rivland flour mill operation located in the Mill J building. The relocation of the bag filters creates two new sources of emissions. Two bag filters at the Rivland flour operation are not currently listed as emission points in the Jonesboro air permit. These bag filters, located inside the mill building, do not

discharge outside the building. One bag filter is a bran receiver; the other is the nuisance dust system for a flour mill and an aspirator. Riceland recently had an inspection by its insurance provider who recommended the bag filters be moved outside of the building for safety purposes. The filters are being moved at the recommendation of the insurance company. The bag filters, located on the 3rd floor of the Mill J building, will be relocated to the Mill J roof (directly above their current position). Both filters are MAC Model 96AVR32. The bran receiver has been assigned source number 195 (rated at 3900 cfm.); the flour mill filter has been assigned source number 196 (rated at 2500 cfm). Changes result in an increase of allowable emissions as follows: PM increases by 0.8 tpy, PM_{10} increases by 0.8 tpy.

Application August 23, 2004, MILL J HULL DESTONERS RELOCATION: Riceland Foods is permitting the relocation of three Forsberg destoners (within the Mill J complex) and the conversion of an unused lime tank into a hull bin. One new source will be created in his process. PM emissions will increase by 1.3 tpy.

The Mill J hull destoners separate the rice from the hulls after the shelling process. The destoners are being moved to a location (within the same complex) that better serves the product flow. Forsberg destoners are identified in permit R6 as SN- 94. The destoners are now and will continue to be equipped with a dust aspiration system. The destoners new (replacement) dust system is utilizing a recomissioned baghouse and fan (not active, though accounted for in permit R6) at their new location. The hull destoners will be given new source number, SN-197. The bag filter to be used is a MAC model 120LVR120.

The Mill J lime tank (SN-164) has not been used since the mist milling conversion eight (8) years ago. The lime tank will be converted to a hull receiving bin for the destoners. The tank is equipped with a small bin vent filter.
The Change Matrix:

R6 (Current Permit)	**R7 (Permit Application)**
3 each Forsberg destoners located at "A" within the Mill Complex.	3 each Forsberg destoners relocated to "B" within the Mill Complex.
Bag filter Source Number SN-94: Mill J Forsberg Hull Destoner Baghouse.	Bag filter Source Number SN-94: Mill J Forsberg Hull Destoner Baghouse remains in place and in use as Mill J Rough Rice Conveyors Bag House.
MAC Mdl 120LVR120: bag house and ductwork is dormant. It does not have a Source Number nor is it included with other equipment under a "Bubbled" Source Number.	MAC Mdl 120LVR120: dormant for years, is used to aspirate dust from the destoners. New Source Number SN-197
Mill J Lime Tank has a Source Number of SN-164 it's not active, but still listed on Permit R6 as a source.	Mill J Lime Tank Source Number of SN-164 is reactivated: the same SN-164 but with a name of,"Mill J Destoner Hull Bin." The bin is equipped with a vent filter.

March 17, 2005 - 462-AOP-R8

Permit Application October 7, 2004 - Rivland Flour Mill Loadout

This modification permitted the addition of a loading station (SN-198) at the Rivland Flour Mill complex. One new source was created in this process.
Flour is loaded onto pneumatic bulk trailers through a closed loop pneumatic loading system. Riceland will be installing an additional similar system. A flexible hose is connected to the pneumatic trailer at its loading port. Flour is then blown into the trailer. A flexible hose connects the vent port to an Aircon bagfilter model CAR 21-6 built specifically for this application. The flour dust collected is conveyed back into a flour product bin.
Permitted PM_{10} emissions from SN-198 were 0.7 ton per year.

Permit Application October 15, 2004 - Parboil Plant Graders Dust System

This modification added a bagfilter (SN-199: Aircon model CAR 276-10 bagfilter, with a New York Blower fan model PLR30 rated at 20,263 cfm) at the Parboil Plant complex. The Parboil Plant receives rough rice and processes it before sending to the Parboil Mill, where the rough rice is processed through a series of grading machines prior to the soaking and cooking operations. A disc grader separates the larger material and blank hulls from the rough rice. From the disc graders the rough rice is sent to the precision graders where smaller contaminates such as seeds are removed. The dust system will provide aspiration to fifteen (15) disc graders and twenty-three (23) precision graders.
PM_{10} emissions from the loadout system (SN-199) were 0.6 tpy.

April 30, 2007 - 462-AOP-R9

In addition to renewing this facility's Title V air permit, this permitting action was necessary to: install two pneumatic railcar loading systems (SN-200 and SN-201) at the Rivland Flour Mill complex; remove the following sources: SN-15, SN-53, SN-58, SN-59, SN-90, SN-103, SN-127, SN-138, SN-142, and SN-169; remove the opacity limit for SN-19; reduce the hourly production rate at SN-12, SN-13, SN-22, SN-23, SN-36, SN-187, and SN-192; reduce the permitted PM_{10} emission rate limit for SN-179; install a total of eight Redwing dust nozzles at SN-11, SN-21, and SN-36; reduce the permitted emission rate limits for SN-192 using oil suppression; increase the stack height of SN-179; permit SN-121 as flour loadout with baghouse; correct the opacity limit for SN-14 to 0% as allowed by 40 CFR Part 60, Subpart DD; and correct or update the emission rate limits for various sources. The total permitted annual emission rate limit increases associated with this modification included: 5.4 tons per year (tpy) CO and 1.45 tpy hexane. New testing requirements for SN-72, SN-77, and SN-93 were added in this renewal since the emission factors used for these types of sources were unable to be verified. After review of several stack tests, it was determined that these types of sources may exceed their permitted limits; and therefore, testing was included in the permit. Testing requirements for SN-144 and SN-193 were added since the emission rate limits for these sources were based on stack testing that was not conducted at 90% or greater capacity.

August 24, 2007 – 462-AOP-R10

This permitting action was necessary to replace the dryer at SN-17 with a new dryer (25.9 MMBTU/hr) with aspirator and limit Unit #8 to a throughput of 240,000 bu/day (includes SN-022, SN-023, SN-024, SN-025, SN-026, SN-027, SN-028, SN-029, SN-030, SN-031, SN-032,

SN-033, SN-034, and SN-035). The total permitted annual emission rate limit increases associated with this modification included: 0.1 tons per year (tpy) PM_{10}, 5.9 tpy CO, 7.0 tpy NO_X, and 0.13 tpy hexane. The total permitted annual emission rate limit decreases associated with this modification included: 0.2 tpy PM and 0.5 tpy VOC.

February 4, 2008 – 462-AOP-R11
This permitting action was necessary to install a nuisance dust system with baghouse on an existing parboiled rice hull baling machine (SN-202); and remove SN-198 (Rivland Truck Loading with Baghouse). The total permitted annual emission rate limit decreases associated with this modification included: 0.7 tpy PM and PM_{10}.

August 1, 2008 – 462-AOP-R12
This permitting action was necessary to replace the baghouses at SN-91, SN-92, SN-93, and SN-94 with one new baghouse (SN-203). The total permitted annual emission rate limit decreases associated with this modification included: 0.2 tpy PM and PM_{10}.

August 30, 2010 – 0462-AOP-R13
This permitting action was necessary to: increase the permitted PM_{10} emission rate limits for sources SN-014, SN-047, and SN-077 based on stack testing results; install an aspirator in front of the Shanzer dryer (SN-018) to clean the rice before drying and replace the 50 mesh screens with 24 mesh screens at SN-018 (The baghouse at SN-015B will provide the air for the aspirator; thus, SN-015B will be renamed the Unit #7 East Shanzer Aspirator with Baghouse. These changes affect the emissions at SN-015B, SN-018, SN-020, and SN-189); correct the typographical error for SN-180 (Emission rate limits and opacity limits appeared in both Groups #3 and #4 for this source. The opacity limit of 5% was retained for SN-180.); permit SN-187 for mineral oil to control emissions; and remove SN-170. The total permitted annual emission rate limit changes associated with this modification included: -0.9 tons per year (tpy) PM and -0.4 tpy PM_{10}.

January 11, 2011 – 0462-AOP-R14
This permitting action was necessary to: increase the permitted PM and PM_{10} emission rate limits for SN-076 based on stack testing results, and change the name of SN-126 from Mill K Bran Baghouse to Parboil Clean Rice Ventilation. The total permitted annual emission rate limit changes associated with this modification included: 0.8 tons per year (tpy) PM and 0.2 tpy PM_{10}.

May 9, 2011 – 0462-AOP-R15
This administrative amendment was necessary to change NO_2 to NO_X in Specific Condition #32 and specify business and calendar days in Plantwide Condition #3. The permitted emission rate limits did not change with this permitting action.

SECTION IV: SPECIFIC CONDITIONS

Group #1:
SN-001, SN-002, SN-012, SN-013, SN-022, SN-023, SN-037, SN-038, SN-044, SN-045, SN-052, SN-145, SN-173, SN-174, SN-175, SN-186, and SN-191

Receivers

Source Description

Receivers are used to collect the grain when transported from another source. The grain may arrive in bulk as from trucks or the grain may be delivered via conveying equipment. The grain may be unprocessed, partially processed, or ready for delivery.

Specific Conditions

1. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Condition #5 and #7. [Regulation 19, §19.501 et seq., and 40 CFR Part 52, Subpart E]

SN	Description	Pollutant	lb/hr	tpy
001	Unit #3 receiving Pit with aspiration	PM_{10}	0.12	5.0
002	Unit #4 receiving Pit with aspiration	PM_{10}	0.12	
012	Unit #7 Receiving Pit, Dump #5, (Installed 1991) with aspiration	PM_{10}	0.19	
013	Unit #7 Receiving Pit, Dump #7 with aspiration	PM_{10}	0.19	
022	Unit #8 Receiving Pit, Dump #8 with aspiration	PM_{10}	0.117	
023	Unit #8 Receiving Pit, Dump #9 with aspiration	PM_{10}	0.117	
037	Elevator H Annex North Receiving Pit (Pit #7) (Fugitive Emissions) with aspiration	PM_{10}	0.22	
038	Elevator H Annex South Receiving Pit, (Pit #15) (Fugitive Emissions) with aspiration	PM_{10}	0.22	
044	Elevator H North Receiving Pit, (Pit #10) (Fugitive Emissions) with aspiration	PM_{10}	0.08	
045	Elevator H South Receiving Pit, (Pit #16) (Fugitive Emissions) with aspiration	PM_{10}	0.08	

SN	Description	Pollutant	lb/hr	tpy
052	Units #1 and #2 Receiving Pit #1 (Fugitive Emissions) (Installed 1995) with aspiration	PM_{10}	0.04	
145	Bran Stabilization Raw Rice Bran Receiver with baghouse	PM_{10}	0.27	
173	Parboil Rejects Receiver with baghouse	PM_{10}	0.16	
174	RivlandSifter Receiver with baghouse	PM_{10}	0.20	
175	Rivland Bagging Receiver with baghouse	PM_{10}	0.20	
186	Flat Storage #1 Receiving	PM_{10}	1.15	
191	Flat Storage #2 Receiving	PM_{10}	1.15	

2. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Condition #5 and #7. [Regulation 18, §18.801, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

SN	Description	Pollutant	lb/hr	tpy
001	Unit #3 receiving Pit with aspiration	PM	0.6	6.6
002	Unit #4 receiving Pit with aspiration	PM	0.6	
012	Unit #7 Receiving Pit, Dump #5, (Installed 1991) with aspiration	PM	0.9	
013	Unit #7 Receiving Pit, Dump #7 with aspiration	PM	0.9	
022	Unit #8 Receiving Pit, Dump #8 with aspiration	PM	0.6	
023	Unit #8 Receiving Pit, Dump #9 with aspiration	PM	0.6	
037	Elevator H Annex North Receiving Pit (Pit #7) (Fugitive Emissions) with aspiration	PM	0.9	
038	Elevator H Annex South Receiving Pit, (Pit #15) (Fugitive Emissions) with aspiration	PM	0.9	
044	Elevator H North Receiving Pit, (Pit #10) (Fugitive Emissions) with aspiration	PM	0.3	

SN	Description	Pollutant	lb/hr	tpy
045	Elevator H South Receiving Pit, (Pit #16) (Fugitive Emissions) with aspiration	PM	0.3	
052	Units #1 and #2 Receiving Pit #1 (Fugitive Emissions) (Installed 1995) with aspiration	PM	0.2	
145	Bran Stabilization Raw Rice Bran Receiver with baghouse	PM	0.3	
173	Parboil Rejects Receiver with baghouse	PM	0.2	
174	RivlandSifter Receiver with baghouse	PM	0.2	
175	Rivland Bagging Receiver with baghouse	PM	0.2	
186	Flat Storage #1 Receiving	PM	5.2	
191	Flat Storage #2 Receiving	PM	5.2	

3. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9.

SC#	SN	Limit	Regulatory Citation
3-a	001, 002, 044, 045	15%	§18.501 and A.C.A.
3-b	012, 186, 191	5%	§19.304 and 40 CFR 60.302(c)(1)
3-c	013, 022, 023, 037, 038, 052, 145, 173, 174, 175	5%	§18.501 and A.C.A.

4. Weekly observations of the opacity from sources subject to Specific Condition #3 shall be conducted in accordance with Plantwide Condition #12. [§18.1004 of Regulation 18 and 40 CFR Part 52]

5. The permittee shall not receive in excess of 1,200,900 tons of grain (see definition of grain in Appendix "A") at the Jonesboro plant per rolling twelve month period. [§19.705 of Regulation 19 and 40 CFR Part 52, Subpart E]

6. The permittee shall maintain records that demonstrate compliance with Specific Condition #5. These records shall: [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
   a. Document the monthly receipts of grain;
   b. Document the twelve month rolling total for grain receipts;

c. Be updated by the fifteenth day of the month following the month to which the records pertain;
d. Be maintained on site for a minimum of five years;
e. Be made available to Department personnel upon request; and
f. Be reported as described in General Provision #7.

7. The permittee shall not receive in excess of 7,200 tons of grain per day at SN-022 and SN-023 combined. [§19.705 of Regulation 19 and 40 CFR Part 52, Subpart E]

8. The permittee shall maintain records that demonstrate compliance with Specific Condition #7. These records shall: [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
   a. Document the daily receipts of grain at SN-022 and SN-023;
   b. Be updated daily;
   c. Be maintained on site for a minimum of five years;
   d. Be made available to Department personnel upon request; and
   e. Be reported as described in General Provision #7.

9. SN-186 and SN-187 shall not be used simultaneously. [§19.705 of Regulation 19, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6]

10. SN-191 and SN-192 shall not be used simultaneously. [§19.705 of Regulation 19, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6]

Group #2:

SN-003 through SN-005, SN-014 through SN-016, SN-024 through SN-029, SN-34, SN-35, SN-039 through SN-043, SN-046 through SN-051, SN-054 through SN-057, SN-061 through SN-067, SN-072 through SN-082, SN-095 through SN-102, SN-105, SN-112 through SN-115, SN-117, SN-118, SN-120, SN-126, SN-128 through SN-137, SN-139 through SN-141, SN-143, SN-146 through SN-162, SN-164 through SN-168, SN-171 through SN-172, SN-176, SN-177, SN-183 through SN-185, SN-188 through SN-190, SN-193, SN-194 through SN-197, SN-199, SN-202, SN-203, and SN-205

Fabric Filters/Cyclone Collectors

Source Description

These sources are baghouses, bin vents (small baghouses), and cyclones. Dust originates from receiving pits, receiving bins, process equipment, other baghouses, load-out equipment and other sources before passing through a fabric filter.

Specific Conditions

11. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Condition #5, #15, #16, and #19. [Regulation 19, §19.501 et seq. and 40 CFR Part 52, Subpart E]

SN	Description	Pollutant	lb/hr	tpy
003	Unit #3 Upper Dust System	PM_{10}	0.051	0.1
004	Unit #3 Lower unit, Unit #4	PM_{10}	0.11	0.1
005	Dump #3 and #4 Baghouse	PM_{10}	0.0003	0.1
014	Unit #7, Dump #5 and Scalperator	PM_{10}	0.36	0.1
015A	Unit #7 Aspirator with Baghouse	PM_{10}	0.23	0.1
015B	Unit #7, East Shanzer Aspirator with Baghouse	PM_{10}	0.12	0.1
016	Unit #7 Upper Dust System	PM_{10}	0.16	0.1
024	Dump #8 and #9 Aspiration Systems with Baghouse	PM_{10}	0.0003	0.1
025	Unit #8 Headhouse Dust System	PM_{10}	0.102	0.1
026	Unit #8 Receiving Tripper with Baghouse	PM_{10}	0.102	0.1
027	Unit #8 Dryer Tripper with Baghouse	PM_{10}	0.102	0.1
028	Unit #8 Lower Headhouse Dust System with Baghouse	PM_{10}	0.102	0.1

SN	Description	Pollutant	lb/hr	tpy
029	Unit #8 Tripper Trash Tank	PM_{10}	0.011	0.1
034	Unit #8 East Trash Tank	PM_{10}	0.003	0.1
035	Unit #8 West Trash Tank	PM_{10}	0.225	0.1
039	Elevator H Annex Receiving Pits, Baghouse	PM_{10}	0.02	0.1
040	Elevator H Annex Upper Nuisance Dust System	PM_{10}	0.19	0.1
041	Elevator H Annex Lower Nuisance Dust System	PM_{10}	0.19	0.1
042	Elevator H Annex Floor Sweeps System	PM_{10}	0.19	0.1
043	Elevator H Annex Trash Tank	PM_{10}	0.02	0.1
046	Elevator H Receiving Pit Baghouse	PM_{10}	0.012	0.1
047	Elevator H Scalperators Aspiration	PM_{10}	0.15	0.1
048	Elevator H Upper Nuisance Dust System	PM_{10}	0.07	0.1
049	Elevator H Boot Pit Dust System	PM_{10}	0.07	0.1
050	Elevator H Basement Dust System	PM_{10}	0.07	0.1
051	Elevator H Trash Tank	PM_{10}	0.005	0.1
054	Units #1 and #2 Upper Nuisance Dust System Baghouse	PM_{10}	0.04	0.1
055	Units #1 and #2 Lower Nuisance Dust System Baghouse	PM_{10}	0.04	0.1
056	Units #1 and #2 Dump pits/Lower Dust Dryer Baghouse	PM_{10}	0.04	0.1
057	Units #1 and #2 Basement Dust	PM_{10}	0.035	0.1
061	Unit #1and #2 Trash Tank	PM_{10}	0.003	0.1
062	Parboil Plant Dust System #1 Baghouse	PM_{10}	0.018	0.1
063	Parboil Plant Dust System #2	PM_{10}	0.018	0.1
064	Parboil Plant Dust System #3	PM_{10}	0.018	0.1
065	Parboil Plant Dust System #4 Baghouse	PM_{10}	0.018	0.1
066	Parboil Plant Dust System #5 Baghouse	PM_{10}	0.018	0.1
067	Parboil Plant Dust System #6 Baghouse	PM_{10}	0.018	0.1

SN	Description	Pollutant	lb/hr	tpy
072	Mill L Nuisance Dust System	PM_{10}	0.016	0.1
073	Mill L Nuisance Dust System	PM_{10}	0.016	0.1
074	Mill L Nuisance Dust System	PM_{10}	0.016	0.1
075	Mill L Nuisance Dust System	PM_{10}	0.016	0.1
076	Mill L Rough Rice Monitor	PM_{10}	0.07	0.3
077	Mill L Scalperators Aspiration	PM_{10}	0.041	0.2
078	Mill L #1 Chaff Monitor Baghouse	PM_{10}	0.016	0.1
079	Mill L #2 Chaff Monitor Baghouse	PM_{10}	0.016	0.1
080	Mill L SN-184/185 Bran Receiver	PM_{10}	0.08	0.4
081	Mill L Nuisance Dust System	PM_{10}	0.04	0.2
082	Mill L Nuisance Dust System	PM_{10}	0.04	0.2
083	Air Filters are in place but not used			
084				
085				
086				
087				
088				
095	Mill J Shellers #1-12 Baghouse	PM_{10}	0.03	0.1
096	Mill J Shellers #13-24 Baghouse	PM_{10}	0.03	0.1
097	Mill J Chaff Monitor #1 (East Side) Baghouse	PM_{10}	0.03	0.1
098	Mill J Chaff Monitor #2 (East Side) Baghouse	PM_{10}	0.03	0.1
099	Mill J Chaff Monitor #3 (East Side) Baghouse	PM_{10}	0.03	0.1
100	Mill J Chaff Monitor #4 (East Side)	PM_{10}	0.03	0.1
101	Mill J Chaff Monitor #3 (West Side) Baghouse	PM_{10}	0.03	0.1
102	Chaff Monitor #4 (West Side) Baghouse	PM_{10}	0.03	0.1
105	Main Line Paddy Baghouse	PM_{10}	0.03	0.1

SN	Description	Pollutant	lb/hr	tpy
112	Mill J H10 Screw Conveyors and Elevator Legs (North End - E18)	PM_{10}	0.027	0.1
113	Mill J Screw Conveyors and Elevators Legs (Rough Rice Shellers)	PM_{10}	0.027	0.1
114	Mill J H10 Screw Conveyors and Elevator Legs (South End - E18)	PM_{10}	0.027	0.1
115	Mill J H10 Screw Conveyors and Elevator Legs (North End - E27)	PM_{10}	0.027	0.1
116	Mill J H10 Screw Conveyors and Elevator Legs (South End - E27)	Baghouse removed. Emissions routed to SN-205.		
117	Mill J H10 Screw Conveyors and Elevator Legs (SC6 - SC7)	PM_{10}	0.027	0.1
118	Mill J H10 Screw Conveyors and Elevator Legs (Hulls, Chicken Feed and Rice)	PM_{10}	0.027	0.1
119	Mill J Screw Conveyors and Elevator Legs (Rough Rice Shellers to E15)	Baghouse removed. Emissions routed to SN-205.		
120	Rivland Hammermills and Sifters Baghouse	PM_{10}	0.14	0.6
126	Parboil Clean Rice Ventilation	PM_{10}	0.152	0.7
128	By-Products Mill J Hulls Receiving Baghouse	PM_{10}	0.027	0.1
129	By-Products Mill L Hulls Receiving Baghouse	PM_{10}	0.018	0.1
130	By-Products Underground Hulls Receiving Bins Baghouse	PM_{10}	0.06	0.3
131	By-Products Hulls Rail Loadout	PM_{10}	0.06	0.3
132	By-Products Hull Hammermill Baghouse	PM_{10}	0.06	0.3
133	By-Products Hull Hammermill Baghouse	PM_{10}	0.36	1.3
134	By-Products Hull Hammermill Baghouse	PM_{10}	0.06	0.3
135	By-Products Hull Hammermill Baghouse	PM_{10}	0.06	0.3
136	By-Products Hull Hammermill Baghouse	PM_{10}	0.06	0.3
137	By-Products Mill J Chicken Feed Receiving Baghouse	PM_{10}	0.027	0.1
139	By-Products Parboil Mill Chicken Feed Receiving Baghouse	PM_{10}	0.018	0.1
140	By-Products Chicken Feed	PM_{10}	0.06	0.3
141	Mill J Bran Receiving Baghouse	PM_{10}	0.121	0.4
143	Mill L Bran Receiving Baghouse	PM_{10}	0.08	0.4

SN	Description	Pollutant	lb/hr	tpy
146	By-Products Loadout System	PM_{10}	0.06	0.2
147	By-Products Loadout System	PM_{10}	0.06	0.2
148	New Clean Rice Aspirator Baghouse	PM_{10}	0.017	0.1
149	New Clean Rice Nuisance Dust System Baghouse	PM_{10}	0.017	0.1
150	New Clean Rice Nuisance Dust	PM_{10}	0.017	0.1
151	New Clean Rice Monitor #1 Baghouse	PM_{10}	0.017	0.1
152	New Clean Rice Monitor #1 Baghouse	PM_{10}	0.017	0.1
153	New Clean Rice Monitor #2	PM_{10}	0.017	0.1
154	New Clean Rice Monitor #2 Baghouse	PM_{10}	0.017	0.1
155	New Clean Rice Monitor #3 Baghouse	PM_{10}	0.017	0.1
156	New Clean Rice Monitor #3 Baghouse	PM_{10}	0.017	0.1
157	New Clean Rice Carter Cay #1 and #2 Cleaning Machines Baghouse	PM_{10}	0.017	0.1
158	New Clean Rice Monitor #4 Baghouse	PM_{10}	0.017	0.1
159	New Clean Rice Buhler Maig Grain Separator Baghouse	PM_{10}	0.017	0.1
160	New Clean Rice Bulk #1 Loadout	PM_{10}	0.03	0.1
161	New Clean Rice Bulk #2 Loadout	PM_{10}	0.03	0.1
162	New Clean Rice Bulk #3 Loadout	PM_{10}	0.03	0.1
164	Mill J Destoner Vent Filter	PM_{10}	0.05	0.2
165	Mill J Lime System	PM_{10}	0.009	0.1
166	Elevator H Annex East Baghouse	PM_{10}	0.19	0.1
167	Units #1 and #2 Receiving Pit Baghouse	PM_{10}	0.01	0.1
168	By-Products #1 Nuisance Dust Baghouse	PM_{10}	0.19	0.3
171	Mill J Satake 1st Pass Mills (Installed 1996)	PM_{10}	0.13	0.4
172	Mill J Satake 3rd Pass Mills (Installed 1996)	PM_{10}	0.13	0.4
176	Mill First Break Whiteners Bagfilter	PM_{10}	0.08	0.4
177	Mill J Bran Receiver Baghouse	PM_{10}	0.13	0.4

SN	Description	Pollutant	lb/hr	tpy
183	Elevator H Baghouse	PM_{10}	0.04	0.1
184	Mill L 2nd Break Bran Receiver	PM_{10}	0.08	0.4
185	Mill L 3rd Break Bran Receiver	PM_{10}	0.08	0.4
188	Elevator H Annex Tripper Baghouse	PM_{10}	0.37	0.3
189	Unit #7 Lower Dust System with Baghouse	PM_{10}	0.27	0.1
190	Mill L 1st Break Bran Receiver	PM_{10}	0.08	0.4
193	Bran Plant Dryer, Cooling Cyclone	PM_{10}	0.19	0.7
194	Unit #7, Dump #7 and Scalper Dust System	PM_{10}	0.80	0.2
195	Rivland Bran Receiver	PM_{10}	0.02	0.1
196	Rivland Flour Mill and Aspirator	PM_{10}	0.04	0.2
197	Mill J Destoner Baghouse	PM_{10}	0.24	0.7
199	Parboil Plant Graders Baghouse	PM_{10}	0.16	0.7
202	Co-Products PBH Baler with Baghouse	PM_{10}	0.1	0.1
203	Mill J Screeners/Destoners with Baghouse	PM_{10}	0.1	0.3
205	Mill J Screw Conveyors and Elevator Legs with Baghouse	PM_{10}	0.054	0.2

12. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Condition #5, #15, #16, #17, and #19. [Regulation 18, §18.801, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

SN	Description	Pollutant	lb/hr	tpy
003	Unit #3 Upper Dust System	PM	0.1	0.1
004	Unit #3 Lower unit, Unit #4	PM	0.2	0.1
005	Dump #3 and #4 Baghouse	PM	0.1	0.1
014	Unit #7, Dump #5 and Scalperator	PM	0.5	0.1
015A	Unit #7 Aspirator with Baghouse	PM	0.9	0.2
015B	Unit #7, East Shanzer Aspirator with Baghouse	PM	0.5	0.2

SN	Description	Pollutant	lb/hr	tpy
016	Unit #7 Upper Dust System	PM	0.3	0.1
024	Dump #8 and #9 Aspiration Systems with Baghouse	PM	0.1	0.1
025	Unit #8 Headhouse Dust System	PM	0.2	0.1
026	Unit #8 Receiving Tripper with Baghouse	PM	0.2	0.1
027	Unit #8 Dryer Tripper with Baghouse	PM	0.2	0.1
028	Unit #8 Lower Headhouse Dust System with Baghouse	PM	0.2	0.1
029	Unit #8 Tripper Trash Tank	PM	0.1	0.1
034	Unit #8 East Trash Tank	PM	0.1	0.1
035	Unit #8 West Trash Tank	PM	0.9	0.1
039	Elevator H Annex Receiving Pits, Baghouse	PM	0.1	0.1
040	Elevator H Annex Upper Nuisance Dust System	PM	0.4	0.2
041	Elevator H Annex Lower Nuisance Dust System	PM	0.4	0.2
042	Elevator H Annex Floor Sweeps System	PM	0.4	0.2
043	Elevator H Annex Trash Tank	PM	0.1	0.1
046	Elevator H Receiving Pit Baghouse	PM	0.1	0.1
047	Elevator H Scalperators Aspiration	PM	0.2	0.1
048	Elevator H Upper Nuisance Dust System	PM	0.1	0.1
049	Elevator H Boot Pit Dust System	PM	0.1	0.1
050	Elevator H Basement Dust System	PM	0.1	0.1
051	Elevator H Trash Tank	PM	0.1	0.1
054	Units #1 and #2 Upper Nuisance Dust System Baghouse	PM	0.1	0.1
055	Units #1 and #2 Lower Nuisance Dust System Baghouse	PM	0.1	0.1
056	Units #1 and #2 Dump pits/Lower Dust Dryer Baghouse	PM	0.1	0.1
057	Units #1 and #2 Basement Dust	PM	0.1	0.1
061	Unit #1and #2 Trash Tank	PM	0.1	0.1

SN	Description	Pollutant	lb/hr	tpy
062	Parboil Plant Dust System #1 Baghouse	PM	0.1	0.2
063	Parboil Plant Dust System #2	PM	0.1	0.2
064	Parboil Plant Dust System #3	PM	0.1	0.2
065	Parboil Plant Dust System #4 Baghouse	PM	0.1	0.2
066	Parboil Plant Dust System #5 Baghouse	PM	0.1	0.2
067	Parboil Plant Dust System #6 Baghouse	PM	0.1	0.2
072	Mill L Nuisance Dust System	PM	0.1	0.3
073	Mill L Nuisance Dust System	PM	0.1	0.3
074	Mill L Nuisance Dust System	PM	0.1	0.3
075	Mill L Nuisance Dust System	PM	0.1	0.3
076	Mill L Rough Rice Monitor	PM	0.3	1.1
077	Mill L Scalperators Aspiration	PM	0.1	0.3
078	Mill L #1 Chaff Monitor Baghouse	PM	0.1	0.3
079	Mill L #2 Chaff Monitor Baghouse	PM	0.1	0.3
080	Mill L SN-184/185 Bran Receiver	PM	0.1	0.4
081	Mill L Nuisance Dust System	PM	0.1	0.3
082	Mill L Nuisance Dust System	PM	0.1	0.3
083	Air Filters are in place but not used			
084				
085				
086				
087				
088				
095	Mill J Shellers #1-12 Baghouse	PM	0.1	0.3
096	Mill J Shellers #13-24 Baghouse	PM	0.1	0.3
097	Mill J Chaff Monitor #1 (East Side) Baghouse	PM	0.1	0.3
098	Mill J Chaff Monitor #2 (East Side) Baghouse	PM	0.1	0.3

SN	Description	Pollutant	lb/hr	tpy
099	Mill J Chaff Monitor #3 (East Side) Baghouse	PM	0.1	0.3
100	Mill J Chaff Monitor #4 (East Side)	PM	0.1	0.3
101	Mill J Chaff Monitor #3 (West Side) Baghouse	PM	0.1	0.3
102	Chaff Monitor #4 (West Side) Baghouse	PM	0.1	0.3
105	Main Line Paddy Baghouse	PM	0.1	0.3
112	Mill J H10 Screw Conveyors and Elevator Legs (North End - E18)	PM	0.1	0.2
113	Mill J Screw Conveyors and Elevators Legs (Rough Rice Shellers)	PM	0.1	0.2
114	Mill J H10 Screw Conveyors and Elevator Legs (South End - E18)	PM	0.1	0.2
115	Mill J H10 Screw Conveyors and Elevator Legs (North End - E27)	PM	0.1	0.2
116	Mill J H10 Screw Conveyors and Elevator Legs (South End - E27)	Baghouse removed. Emissions routed to SN-205.		
117	Mill J H10 Screw Conveyors and Elevator Legs (SC6 - SC7)	PM	0.1	0.2
118	Mill J H10 Screw Conveyors and Elevator Legs (Hulls, Chicken Feed and Rice)	PM	0.1	0.2
119	Mill J Screw Conveyors and Elevator Legs (Rough Rice Shellers to E15)	Baghouse removed. Emissions routed to SN-205.		
120	Rivland Hammermills and Sifters Baghouse	PM	0.2	0.6
126	Parboil Clean Rice Ventilation	PM	0.2	0.7
128	By-Products Mill J Hulls Receiving Baghouse	PM	0.1	0.2
129	By-Products Mill L Hulls Receiving Baghouse	PM	0.1	0.2
130	By-Products Underground Hulls Receiving Bins Baghouse	PM	0.1	0.4
131	By-Products Hulls Rail Loadout	PM	0.1	0.4
132	By-Products Hull Hammermill Baghouse	PM	0.1	0.4
133	By-Products Hull Hammermill Baghouse	PM	0.4	1.3
134	By-Products Hull Hammermill Baghouse	PM	0.1	0.4
135	By-Products Hull Hammermill Baghouse	PM	0.1	0.4
136	By-Products Hull Hammermill Baghouse	PM	0.1	0.4

SN	Description	Pollutant	lb/hr	tpy
137	By-Products Mill J Chicken Feed Receiving Baghouse	PM	0.1	0.1
139	By-Products Parboil Mill Chicken Feed Receiving Baghouse	PM	0.1	0.2
140	By-Products Chicken Feed	PM	0.2	0.4
141	Mill J Bran Receiving Baghouse	PM	0.2	0.4
143	Mill L Bran Receiving Baghouse	PM	0.1	0.4
146	By-Products Loadout System	PM	0.2	0.6
147	By-Products Loadout System	PM	0.2	0.6
148	New Clean Rice Aspirator Baghouse	PM	0.1	0.3
149	New Clean Rice Nuisance Dust System Baghouse	PM	0.1	0.3
150	New Clean Rice Nuisance Dust	PM	0.1	0.3
151	New Clean Rice Monitor #1 Baghouse	PM	0.1	0.3
152	New Clean Rice Monitor #1 Baghouse	PM	0.1	0.3
153	New Clean Rice Monitor #2	PM	0.1	0.3
154	New Clean Rice Monitor #2 Baghouse	PM	0.1	0.3
155	New Clean Rice Monitor #3 Baghouse	PM	0.1	0.3
156	New Clean Rice Monitor #3 Baghouse	PM	0.1	0.3
157	New Clean Rice Carter Cay #1 and #2 Cleaning Machines Baghouse	PM	0.1	0.3
158	New Clean Rice Monitor #4 Baghouse	PM	0.1	0.3
159	New Clean Rice Buhler Maig Grain Separator Baghouse	PM	0.1	0.3
160	New Clean Rice Bulk #1 Loadout	PM	0.1	0.3
161	New Clean Rice Bulk #2 Loadout	PM	0.1	0.3
162	New Clean Rice Bulk #3 Loadout	PM	0.1	0.3
164	Mill J Destoner Vent Filter	PM	0.1	0.2
165	Mill J Lime System	PM	0.1	0.1
166	Elevator H Annex East Baghouse	PM	0.4	0.2

SN	Description	Pollutant	lb/hr	tpy
167	Units #1 and #2 Receiving Pit Baghouse	PM	0.1	0.1
168	By-Products #1 Nuisance Dust Baghouse	PM	0.4	0.4
171	Mill J Satake 1st Pass Mills (Installed 1996)	PM	0.2	0.4
172	Mill J Satake 3rd Pass Mills (Installed 1996)	PM	0.2	0.4
176	Mill First Break Whiteners Bagfilter	PM	0.1	0.4
177	Mill J Bran Receiver Baghouse	PM	0.2	0.4
183	Elevator H Baghouse	PM	0.2	0.1
184	Mill L 2nd Break Bran Receiver	PM	0.1	0.4
185	Mill L 3rd Break Bran Receiver	PM	0.1	0.4
188	Elevator H Annex Tripper Baghouse	PM	0.7	0.4
189	Unit #7 Lower Dust System with Baghouse	PM	0.5	0.2
190	Mill L 1st Break Bran Receiver	PM	0.1	0.4
193	Bran Plant Dryer, Cooling Cyclone	PM	0.3	1.1
194	Unit #7, Dump #7 and Scalper Dust System	PM	2.8	0.5
195	Rivland Bran Receiver	PM	0.1	0.1
196	Rivland Flour Mill and Aspirator	PM	0.1	0.2
197	Mill J Destoner Baghouse	PM	0.3	0.7
199	Parboil Plant Graders Baghouse	PM	0.2	0.7
202	Co-Products PBH Baler with Baghouse	PM	0.1	0.1
203	Mill J Screeners/Destoners with Baghouse	PM	0.4	1.0
205	Mill J Screw Conveyors and Elevator Legs with Baghouse	PM	0.1	0.3

13. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9.

SC#	SN	Limit	Regulatory Citation
13-a	167	15%	§18.501 and A.C.A.
13-b	051, 131, 146, 147, 160, 161, 162	10%	§18.501 and A.C.A.

SC#	SN	Limit	Regulatory Citation
13-c	003, 004, 005, 015A, 015B, 016, 024, 025, 026, 027, 028, 029, 034, 035, 039, 040, 041, 042, 043, 046 through 050, 054, 055, 056, 057, 061 through 067, 072 through 082, 095 through 102, 105, 112 through 115, 117, 120, 126, 128 through 130, 132 through 137, 139, 140, 141, 143, 148 through 159, 164, 165, 166, 171, 172, 176, 177, 183, 184, 185, 188, 189, 190, 193, 194, 195, 196, 197, 199, 202, 203, 205	5%	§18.501 and A.C.A.
13-d	014	0%	§19.304 and 40 CFR 60.302(b)(2)

14. Weekly observations of the opacity from sources subject to Specific Conditions #13 shall be conducted in accordance with Plantwide Condition #12. [§18.1004 of Regulation 18]

15. The permittee shall conduct a one-time test at SN-072 (Mill L Nuisance Dust System) and SN-077 (Mill L Scalperators Aspiration) for PM and PM_{10} while operating at 90% or greater capacity. Emission results shall be extrapolated to correlate with 100% of the permitted capacity to determine compliance. The PM test shall be performed using EPA Reference Method 5. The PM_{10} test shall be performed using EPA Reference Method 201A. These tests shall be conducted in accordance with Plantwide Condition #3. The testing for SN-072 was conducted on October 4, 2007 and October 10, 2007 and the testing for SN-077 was conducted on October 5, 2007 and October 10, 2007. [§19.702 of Regulation 19 and 40 CFR Part 52, Subpart E]

16. The permittee shall conduct a one-time test at SN-193 (Bran Plant Dryer, Cooling Cyclone) for PM and PM_{10} while operating at 90% or greater capacity. Emission results shall be extrapolated to correlate with 100% of the permitted capacity to determine compliance. The PM test shall be performed using EPA Reference Method 5. The PM_{10} test shall be performed using EPA Reference Method 201A. These tests shall be conducted in accordance with Plantwide Condition #3. This testing was conducted on October 12, 2007. [§19.702 of Regulation 19 and 40 CFR Part 52, Subpart E]

17. The permittee shall not cause to be discharged from SN-014 any process emission which contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf). [§19.304 of Regulation 19 and 40 CFR Part 60.302(b)(1)]

18. The permittee shall determine compliance with the particulate matter standards in Specific Condition #17 using EPA Reference Method 5 to determine particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters. This testing was conducted on September 15-16, 1997. [§19.304 of Regulation 19 and 40 CFR Part 60.303(b)(1)]

19. The permittee shall not process in excess of 61,320 tons of rice hulls at SN-202 per consecutive 12-month period. [§19.705 of Regulation 19, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6]

20. The permittee shall maintain records that demonstrate compliance with Specific Condition #19. These records shall: [§19.705 of Regulation 19 and 40 CFR Part 52, Subpart E]

    a. Document the monthly amount of hulls baled;
    b. Document the 12 month rolling total of hulls baled;
    c. Be updated by the fifteenth day of the month following the month to which the records pertain;
    d. Be maintained on site for a minimum of five years;
    e. Be made available to Department personnel upon request; and
    f. Be reported as described in General Provision #7.

Group #3:
SN-006 through SN-009, SN-017, SN-018, SN-030 through SN-033, SN-060, SN-068 through SN-071, SN-144, SN-163, SN-178, and SN-179

Dryers, Boilers, and Thermal Conversion Unit

Source Description

The thermal equipment consists of:

- Four Shanzer column dryers (SN-006 through SN-009) rated at 3,500 bu/hr each serve Units #3 and #4;
- A Shanzer dryer (SN-017) rated at 9,800 bu/hr and a Shanzer dryer (SN-018) rated at 5,000 bu/hr serves Unit #7;
- Four Berico dryers (SN-030, SN-031, SN-032, SN-033) rated at 3,500 bu/hr serve Unit #8;
- A single Hess dryer (SN-060) rated at 1,550 bu/hr serves Unit #2;
- Three rotary dryers (SN-068, SN-069, SN-070), a Water Boiler (SN-071), and a Shanzer dryer (SN-178) serve the Parboil Plant;
- A Dryer/cooler (SN-144) and a Steam Boiler (SN-163) to serve the Bran Stabilization and Brand Expander plant;
- A Thermal Conversion System (SN-179) for rice hulls.

Specific Conditions

21. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Conditions #5, #26, #27, #28, #30, #32, and #33. [Regulation 19, §19.501 et seq. and 40 CFR Part 52, Subpart E]

SN	Description	Pollutant	lb/hr	tpy
006	Unit #3 Shanzer Dryer (West), 11.0 MM BTU/hr, (installed 1996)	PM_{10}	1.83	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.3
		CO	1.0	4.1
		NO_X	1.1	4.8
007	Unit #3 Shanzer Dryer (East), 11.0 MM BTU/hr, (installed 1996)	PM_{10}	1.83	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.3
		CO	1.0	4.1
		NO_X	1.1	4.8
008	Unit #4 Shanzer Dryer (West), 11.0 MM BTU/hr, (installed 1996)	PM_{10}	1.83	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.3
		CO	1.0	4.1
		NO_X	1.1	4.8

SN	Description	Pollutant	lb/hr	tpy
009	Unit #4 Shanzer Dryer (East), 11.0 MM BTU/hr, (installed 1996)	PM_{10}	1.83	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.3
		CO	1.0	4.1
		NO_X	1.1	4.8
017	Unit #7 Shanzer 7R7 Dryer, 25.9 MM BTU/hr, with Aspirator (Installed 2007)	PM_{10}	0.45	1.0
		SO_2	0.1	0.1
		VOC	0.2	0.7
		CO	2.2	9.6
		NO_X	2.6	11.4
018	Unit #7 Shanzer Dryer, 10.0 MMBTU/hr, (Installed 1987)	PM_{10}	0.23	0.5
		SO_2	0.1	0.1
		VOC	0.1	0.4
		CO	0.9	3.7
		NO_X	1.0	4.4
030	Unit #8 Berico Dryer #1, 7.0 MMBTU/hr	PM_{10}	1.292	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.2
		CO	0.6	2.6
		NO_X	0.7	3.1
031	Unit #8 Berico Dryer #2, 7.0 MM BTU/hr	PM_{10}	1.292	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.2
		CO	0.6	2.6
		NO_X	0.7	3.1
032	Unit #8 Berico Dryer #3, 7.0 MM BTU/hr	PM_{10}	1.292	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.2
		CO	0.6	2.6
		NO_X	0.7	3.1
033	Unit #8 Berico Dryer #4, 7.0 MM BTU/hr	PM_{10}	1.292	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.2
		CO	0.6	2.6
		NO_X	0.7	3.1
060	Unit #2 Hess Rejection Dryer 3.0 MM BTU/hr	PM_{10}	0.20	0.3
		SO_2	0.1	0.1
		VOC	0.1	0.1
		CO	0.3	1.1
		NO_X	0.3	1.3

SN	Description	Pollutant	lb/hr	tpy
068	Parboil Plant Rotary Dryer, 3.0 MM BTU/hr	PM_{10}	0.10	0.4
		SO_2	0.1	0.1
		VOC	0.1	0.1
		CO	0.3	1.1
		NO_X	0.3	1.3
069	Parboil Plant Rotary Dryer 3.0 MM BTU/hr	PM_{10}	0.10	0.4
		SO_2	0.1	0.1
		VOC	0.1	0.1
		CO	0.3	1.1
		NO_X	0.3	1.3
070	Parboil Plant Rotary Dryer 3.0 MM BTU/hr	PM_{10}	0.17	0.7
		SO_2	0.1	0.1
		VOC	0.1	0.1
		CO	0.3	1.1
		NO_X	0.3	1.3
071	Parboil Plant Water Boiler, 31.0 MM BTU/hr, (Installed 1977)	PM_{10}	0.24	1.0
		SO_2	0.1	0.1
		VOC	0.2	0.9
		CO	2.6	11.4
		NO_X	3.1	13.6
144	Bran Plant Dryer, Hot Air Cyclone 5.7 MMBtu/hr	PM_{10}	0.16	0.6
		SO_2	0.1	0.1
		VOC	0.1	0.2
		CO	0.6	2.1
		NO_X	0.6	2.5
163	Bran Expander Steam Boiler 4.2 MM BTU/hr	PM_{10}	0.04	0.2
		SO_2	0.1	0.1
		VOC	0.1	0.1
		CO	0.4	1.5
		NO_X	0.4	1.8
178	Parboil Plant Shanzer Dryer 29.1 MMBtu/hr	PM_{10}	1.10	4.7
		SO_2	0.1	0.1
		VOC	0.2	0.9
		CO	2.4	10.7
		NO_X	2.9	12.7
179	Thermal Energy Conv. System	PM_{10}	15.0	65.7
		SO_2	15.0	65.7
		VOC	5.0	21.9
		CO	5.0	21.9
		NO_X	35.0	153.3

22. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Conditions #5, #26, #27, #28, #30, #32, and #33. [Regulation 18, §18.801, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

SN	Description	Pollutant	lb/hr	tpy
006	Unit #3 Shanzer Dryer (West), 11.0 MM BTU/hr, (installed 1996)	PM Hexane	7.1 0.02	0.9 0.09
007	Unit #3 Shanzer Dryer (East), 11.0 MM BTU/hr, (installed 1996)	PM Hexane	7.1 0.02	0.9 0.09
008	Unit #4 Shanzer Dryer (West), 11.0 MM BTU/hr, (installed 1996)	PM Hexane	7.1 0.02	0.9 0.09
009	Unit #4 Shanzer Dryer (East), 11.0 MM BTU/hr, (installed 1996)	PM Hexane	7.1 0.02	0.9 0.09
017	Unit #7 Shanzer 7R7 Dryer, 25.9 MM BTU/hr, with Aspirator (Installed 2007)	PM Hexane	1.2 0.05	1.0 0.21
018	Unit #7 Shanzer Dryer, 10.0 MMBTU/hr, (Installed 1987)	PM Hexane	0.6 0.02	0.6 0.08
030	Unit #8 Berico Dryer #1, 7.0 MMBTU/hr	PM Hexane	5.1 0.02	1.4 0.06
031	Unit #8 Berico Dryer #2, 7.0 MM BTU/hr	PM Hexane	5.1 0.02	1.4 0.06
032	Unit #8 Berico Dryer #3, 7.0 MM BTU/hr	PM Hexane	5.1 0.02	1.4 0.06
033	Unit #8 Berico Dryer #4, 7.0 MM BTU/hr	PM Hexane	5.1 0.02	1.4 0.06
060	Unit #2 Hess Rejection Dryer 3.0 MM BTU/hr	PM Hexane	0.5 0.01	0.7 0.03
068	Parboil Plant Rotary Dryer, 3.0 MM BTU/hr	PM Hexane	0.4 0.01	1.2 0.03
069	Parboil Plant Rotary Dryer 3.0 MM BTU/hr	PM Hexane	0.4 0.01	1.2 0.03
070	Parboil Plant Rotary Dryer 3.0 MM BTU/hr	PM Hexane	0.7 0.01	2.4 0.03
071	Parboil Plant Water Boiler, 31.0 MM BTU/hr, (Installed 1977)	PM Hexane	0.3 0.06	1.0 0.25
144	Bran Plant Dryer, Hot Air Cyclone 5.7 MMBtu/hr	PM Hexane	0.2 0.02	0.7 0.05
163	Bran Expander Steam Boiler 4.2 MM BTU/hr	PM Hexane	0.1 0.01	0.2 0.04
178	Parboil Plant Shanzer Dryer 29.1 MMBtu/hr	PM Hexane	3.6 0.06	15.6 0.23
179	Thermal Energy Conv. System	PM	30.0	131.4

23. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9.

SC#	SN	Limit	Regulatory Citation
23-a	006, 007, 008, 009, 017, 018	0%	§19.304 and 40 CFR 60.302(a)(1)
23-b	030, 031, 032, 033, 060, 068, 069, 070, 071, 144, 163, 178	5%	§18.501 and A.C.A.
23-c	179	10%	§19.304 and 40 CFR Part 64

24. Weekly observations of the opacity from sources subject to Specific Conditions #23 a and b shall be conducted in accordance with Plantwide Condition #12. [§18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

25. Opacity observations shall be required daily for SN-179. The observations shall be conducted by personnel familiar with the permittee's visible emissions. The permittee shall maintain personnel trained in EPA Reference Method 9. If visible emissions which appear to be in excess of the permitted opacity are detected, the permittee shall immediately take action to identify the cause of the visible emissions, implement corrective action, and document that visible emissions did not appear to be in excess of the permitted opacity following the corrective action. The permittee shall maintain records to demonstrate compliance with this specific condition. These records shall: [§19.304 of Regulation 19 and 40 CFR Part 64]

a. Indicate the date and time of any observations;
b. Show the results of the observations for that source;
c. Indicate the cause of any exceedance of the opacity limit, the corrective action taken, and if the visible emissions appeared to be below the permitted limit after the corrective action was taken;
d. Show the name of the person conducting the opacity observations;
e. Be updated daily;
f. Be kept on site;
g. Be readily available to Department personnel upon request; and
h. Be submitted in accordance with General Provision #7.

26. The permittee shall maintain the multiclones at SN-179 in serviceable condition according to the manufacturer's specifications. The permittee shall keep maintenance records for the multiclones. These records shall be kept on site, made available to Department personnel upon request, and be submitted in accordance with General Provision #7. [§19.303 of Regulation 19, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR Part 64]

27. The following outlines the CAM plan for SN-179: [§19.304 of Regulation 19 and 40 CFR Part 64]

Indicator:	Opacity
Indicator Range:	Excursion is > 10% opacity
Averaging Period:	6-minute average
Measurement Approach:	Opacity observations
Data Representativeness:	Observations will be made at each exhaust
QA/QC:	Trained personnel; maintenance and repair of systems will be performed in accordance with the manufacturer's specifications
Monitoring Frequency:	Daily
Data Collection Procedures:	Opacity and maintenance records will be kept by the permittee

28. The fuel for the dryers and boilers shall be natural gas. Natural gas usage for these sources shall not exceed 1,524,240 Mscf per rolling twelve month period. [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

29. The permittee shall demonstrate compliance with Specific Condition #28 by one of the following methods: [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

    a. Maintaining manufacturer data for each dryer and boiler's burner. These data shall:
        i. Clearly state the maximum scf/hr of natural gas that can be fired in each dryer and boiler;
        ii. Be made available to Department personnel upon request.
        iii. Be maintained on or off site for the duration of this permit plus five years; or
    b. Maintaining gas usage records. These records shall:
        i. Document the monthly receipts of natural gas;
        ii. Document the twelve month rolling total for natural gas;
        iii. Be maintained on or off site for a minimum of five years;
        iv. Be made available to Department personnel upon request.

30. The feed to the Gasifier Hull Receiving Tank (SN-180) shall not exceed 109,500 tons of rice hulls per rolling twelve month period. The tank shall be the only source of feed to the conversion unit (SN-179) and shall not have a discharge rate in excess of 15,000 lb/hr. [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

31. The permittee shall meter the feed to the Conversion Unit (SN-179) and maintain records that demonstrate compliance with Specific Condition #30. These records shall: [§19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

a. Document the monthly tons of rice hulls fed to the Conversion Unit;
b. Document the hourly tons of rice hulls fed to the Conversion Unit;
c. Document the twelve month rolling total for rice hull fed to the Conversion Unit;
d. Be updated by the fifteenth day of the month following the month to which the records pertain;
e. Be maintained on site for a minimum of five years;
f. Be made available to Department personnel upon request.
g. Be reported as described in General Provision #7.

32. The permittee shall test the incinerator exhaust stack (SN-179) every 5 years during the life of this permit. The exhaust stack shall be tested for the following pollutants using the tabulated methods: [§19.702 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

Pollutant	EPA Reference Method	Maximum Emissions
PM	5 and 202	30.0 lb/hr
PM_{10}	201A and 202	15.0 lb/hr
NO_X	7E	35.0 lb/hr
CO	10	5.0 lb/hr

If ninety percent of the permitted throughput cannot be achieved, the permittee shall be limited to 10 percent above the actual tested throughput. The permittee shall conduct the required tests in accordance with Plantwide Condition #3 of this permit. The results of these tests shall be:

a. Be maintained on site for a minimum of five years;
b. Be made available to Department personnel upon request.
c. Be reported as described in General Provision #7.

33. The permittee shall conduct a one-time test at SN-144 (Bran Plant Dryer, Hot Air Cyclone) for PM and PM_{10} while operating at 90% or greater capacity. Emission results shall be extrapolated to correlate with 100% of the permitted capacity to determine compliance. The PM test shall be performed using EPA Reference Method 5. The PM_{10} test shall be performed using EPA Reference Method 201A. These tests shall be conducted in accordance with Plantwide Condition #3. This testing was conducted on October 11, 2007. [§19.702 of Regulation 19 and 40 CFR Part 52, Subpart E]

Group #4:
SN-010, SN-011, SN-020, SN-021, SN-036, SN-089, SN-121, SN-180, SN-181, SN-182, SN-187, SN-192, SN-200, and SN-201

Load-outs, Trash Tanks, and Hull System

Source Description

Gravity spouts located on bins are used to load out grains and by-products. Fugitive emissions may occur during this process. The SN-011 loadouts will have 2 Redwing Dust Nozzles, SN-021 loadouts will have 3 Redwing Dust Nozzles, and SN-036 will have 3 Redwing Dust Nozzles.

Dust and debris collected by the baghouses and settling chambers are conveyed to the Trash Tanks. The trash tank generates emissions from the vent and from the emptying of the tank. The vent emissions are controlled by a small baghouse referred to as a bin vent filter and the emissions from the tank emptying are uncontrolled.

The Hull System collects the hulls and dust captured by the SN-017 and SN-018 24 mesh screens. The control device for the Hull System is a cyclone that is 90% efficient.

Flour is loaded onto railcars through a closed loop pneumatic loading system. A flexible hose is connected to the railcar at its loading port. Flour is then blown into the railcar. A flexible hose is connected to the vent port for the collection of flour and dust displaced during loading. The vent hose will be connected to an Aircon bagfilter model CAR 21-6 (SN-200 and SN-201) built specifically for the application. The flour collected in the bagfilter is fed back into the pneumatic loading line.

Specific Conditions

34. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Condition #5, #30, and #39. [Regulation 19, §19.501 et seq. and 40 CFR Part 52, Subpart E]

SN	Description	Pollutant	lb/hr	tpy
010	Unit #3 and #4 Trash Tank	PM_{10}	0.004	5.1
011	Unit #3 and #4 Loadouts with Dust Nozzles	PM_{10}	0.87	
020	Unit #7 Trash Tank	PM_{10}	0.02	
021	Unit #7 Loadouts with Dust Nozzles	PM_{10}	0.87	
036	Unit #8 Loadouts with Dust Nozzles, (Fugitive Emissions)	PM_{10}	0.87	
089	Parboil Shipping Loadouts, (Fugitive Emissions)	PM_{10}	0.02	

SN	Description	Pollutant	lb/hr	tpy
121	Rivland Truck Loadouts (with baghouse)	PM_{10}	0.20	
180	Gasifier Hull Receiving Tank	PM_{10}	0.01	
181	Gasifier Ash Receiving Tank	PM_{10}	0.01	
182	Gasifier Ash Loadout	PM_{10}	0.20	
187	Flat Storage #1 Loadout (with mineral oil)	PM_{10}	0.80	
192	Flat Storage #2 Loadout	PM_{10}	0.80	
200	Rivland Rail Loading System #2 (with baghouse)	PM_{10}	0.34	
201	Rivland Rail Loading System #3 (with baghouse)	PM_{10}	0.34	

35. The permittee shall not exceed the emission rates set forth in the following table. The permittee shall demonstrate compliance with this condition by compliance with Specific Conditions #5, #30, and #39. [Regulation 18, §18.801, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

SN	Description	Pollutant	lb/hr	tpy
010	Unit #3 and #4 Trash Tank	PM	0.1	8.9
011	Unit #3 and #4 Loadouts with Dust Nozzles	PM	2.6	
020	Unit #7 Trash Tank	PM	0.2	
021	Unit #7 Loadouts with Dust Nozzles	PM	2.6	
036	Unit #8 Loadouts with Dust Nozzles, (Fugitive Emissions)	PM	2.6	
089	Parboil Shipping Loadouts, (Fugitive Emissions)	PM	0.1	
121	Rivland Truck Loadouts (with baghouse)	PM	0.2	
180	Gasifier Hull Receiving Tank	PM	0.1	
181	Gasifier Ash Receiving Tank	PM	0.1	
182	Gasifier Ash Loadout	PM	0.5	
187	Flat Storage #1 Loadout (with mineral oil)	PM	2.4	
192	Flat Storage #2 Loadout	PM	2.4	
200	Rivland Rail Loading System #2 (with baghouse)	PM	0.4	

SN	Description	Pollutant	lb/hr	tpy
201	Rivland Rail Loading System #3 (with baghouse)	PM	0.4	

36. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9.

SC#	SN	Limit	Regulatory Citation
36-a	010, 020, 180, 200, 201	5%	§18.501 and A.C.A.
36-b	021, 036, 089, 121	10%	§18.501 and A.C.A.
36-c	011, 181, 182	15%	§18.501 and A.C.A.
36-d	187, 192	10%	§19.304 and 40 CFR 60.302(c)(3)

37. Weekly observations of the opacity from sources subject to Specific Conditions #36 shall be conducted in accordance with Plantwide Condition #12. [§18.1004 of Regulation 18]

38. During the loading of waste material generated from grain cleaning and pollution control devices from trash tanks onto trucks for the purposes of disposal, Riceland shall be limited to 15% opacity, to be determined by averaging all readings taken in accordance with USEPA Method 9, over a period of thirty-six consecutive minutes. If, at any time, Riceland exceeds the opacity limitation, the occurrence shall be reported to ADEQ in accordance with Regulation 18.

    Riceland shall maintain a written log at the facility which documents each time material is loaded from the trash tanks onto a truck. Each entry shall include the approximate weight of the material loaded, and the duration of the loading operation.

    The activity shall be conducted in such a manner as to cause no nuisance to the surrounding community. ADEQ reserves the right to rescind this authority if, at any time, the emissions from the operations become a nuisance to the surrounding community. [§18.501 of Regulation No. 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

39. The permittee shall use oil suppression at SN-187 and SN-192 at a minimum rate of 0.5 gallons per thousand bushels of grain. [§19.705 of Regulation 19, A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR 70.6]

SECTION V: COMPLIANCE PLAN AND SCHEDULE

Riceland Foods, Inc. - Jonesboro Division will continue to operate in compliance with those identified regulatory provisions. The facility will examine and analyze future regulations that may apply and determine their applicability with any necessary action taken on a timely basis.

This facility is out of compliance with the PM and PM_{10} emission rate limits in Specific Conditions #21 and #22 for SN-179. The facility will perform another stack test at SN-179 in November 2011.

SECTION VI: PLANTWIDE CONDITIONS

1. The permittee shall notify the Director in writing within thirty (30) days after commencing construction, completing construction, first placing the equipment and/or facility in operation, and reaching the equipment and/or facility target production rate. [Regulation 19, §19.704, 40 CFR Part 52, Subpart E, and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

2. If the permittee fails to start construction within eighteen months or suspends construction for eighteen months or more, the Director may cancel all or part of this permit. [Regulation 19, §19.410(B) and 40 CFR Part 52, Subpart E]

3. The permittee must test any equipment scheduled for testing, unless otherwise stated in the Specific Conditions of this permit or by any federally regulated requirements, within the following time frames: (1) new equipment or newly modified equipment within sixty (60) days of achieving the maximum production rate, but no later than 180 days after initial start up of the permitted source or (2) operating equipment according to the time frames set forth by the Department or within 180 days of permit issuance if no date is specified. The permittee must notify the Department of the scheduled date of compliance testing at least fifteen (15) business days in advance of such test. The permittee shall submit the compliance test results to the Department within thirty (30) calendar days after completing the testing. [Regulation 19, §19.702 and/or Regulation 18 §18.1002 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

4. The permittee must provide:

    a. Sampling ports adequate for applicable test methods;
    b. Safe sampling platforms;
    c. Safe access to sampling platforms; and
    d. Utilities for sampling and testing equipment.

    [Regulation 19, §19.702 and/or Regulation 18, §18.1002 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

5. The permittee must operate the equipment, control apparatus and emission monitoring equipment within the design limitations. The permittee shall maintain the equipment in good condition at all times. [Regulation 19, §19.303 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

6. This permit subsumes and incorporates all previously issued air permits for this facility. [Regulation 26 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

Title VI Provisions

7. The permittee must comply with the standards for labeling of products using ozone-depleting substances. [40 CFR Part 82, Subpart E]

    a. All containers containing a class I or class II substance stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced to interstate commerce pursuant to §82.106.
    b. The placement of the required warning statement must comply with the requirements pursuant to §82.108.
    c. The form of the label bearing the required warning must comply with the requirements pursuant to §82.110.
    d. No person may modify, remove, or interfere with the required warning statement except as described in §82.112.

8. The permittee must comply with the standards for recycling and emissions reduction, except as provided for MVACs in Subpart B. [40 CFR Part 82, Subpart F]

    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
    b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
    c. Persons performing maintenance, service repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
    d. Persons disposing of small appliances, MVACs, and MVAC like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC like appliance" as defined at §82.152)
    e. Persons owning commercial or industrial process refrigeration equipment must comply with leak repair requirements pursuant to §82.156.
    f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.

9. If the permittee manufactures, transforms, destroys, imports, or exports a class I or class II substance, the permittee is subject to all requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.

10. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air tight sealed refrigeration system used as refrigerated cargo, or the system used on passenger buses using HCFC 22 refrigerant.

11. The permittee can switch from any ozone depleting substance to any alternative listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G.

12. Opacity observations shall be required weekly for sources with a permitted opacity of 15% or less and daily for sources with a permitted opacity greater than 15%. The observations shall be conducted by personnel familiar with the permittee's visible emissions. The permittee shall maintain personnel trained in EPA Reference Method 9. If visible emissions which appear to be in excess of the permitted opacity are detected, the permittee shall immediately take action to identify the cause of the visible emissions, implement corrective action, and document that visible emissions did not appear to be in excess of the permitted opacity following the corrective action. The permittee shall maintain records to demonstrate compliance with this specific condition. These records shall: [§18.501 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311]

    a. Indicate the date and time of any observations;
    b. Show the results of the observations for that source;
    c. Indicate the cause of any exceedance of the opacity limit, the corrective action taken, and if the visible emissions appeared to be below the permitted limit after the corrective action was taken;
    d. Show the name of the person conducting the opacity observations;
    e. Be updated daily;
    f. Be kept on site; and
    g. Be readily available to Department personnel upon request.

SECTION VII: INSIGNIFICANT ACTIVITIES

The following sources are insignificant activities. Any activity that has a state or federal applicable requirement shall be considered a significant activity even if this activity meets the criteria of §26.304 of Regulation 26 or listed in the table below. Insignificant activity determinations rely upon the information submitted by the permittee in an application dated March 14, 2006.

Description	Category
Fumigation of stored grain products (Phosphine gas)	A-13
Fumigation of grain storage buildings (Methyl Bromide)	B-13

SECTION VIII: GENERAL PROVISIONS

1. Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the sole origin of and authority for the terms or conditions are not required under the Clean Air Act or any of its applicable requirements, and are not federally enforceable under the Clean Air Act. Arkansas Pollution Control & Ecology Commission Regulation 18 was adopted pursuant to the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.). Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute. [40 CFR 70.6(b)(2)]

2. This permit shall be valid for a period of five (5) years beginning on the date this permit becomes effective and ending five (5) years later. [40 CFR 70.6(a)(2) and Regulation 26 §26.701(B)]

3. The permittee must submit a complete application for permit renewal at least six (6) months before permit expiration. Permit expiration terminates the permittee's right to operate unless the permittee submitted a complete renewal application at least six (6) months before permit expiration. If the permittee submits a complete application, the existing permit will remain in effect until the Department takes final action on the renewal application. The Department will not necessarily notify the permittee when the permit renewal application is due. [Regulation 26 §26.406]

4. Where an applicable requirement of the Clean Air Act, as amended, 42 U.S.C. 7401, et seq. (Act) is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, the permit incorporates both provisions into the permit, and the Director or the Administrator can enforce both provisions. [40 CFR 70.6(a)(1)(ii) and Regulation 26 §26.701(A)(2)]

5. The permittee must maintain the following records of monitoring information as required by this permit.

    a. The date, place as defined in this permit, and time of sampling or measurements;
    b. The date(s) analyses performed;
    c. The company or entity performing the analyses;
    d. The analytical techniques or methods used;
    e. The results of such analyses; and
    f. The operating conditions existing at the time of sampling or measurement.

    [40 CFR 70.6(a)(3)(ii)(A) and Regulation 26 §26.701(C)(2)]

6. The permittee must retain the records of all required monitoring data and support information for at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [40 CFR 70.6(a)(3)(ii)(B) and Regulation 26 §26.701(C)(2)(b)]

7. The permittee must submit reports of all required monitoring every six (6) months. If permit establishes no other reporting period, the reporting period shall end on the last day of the anniversary month of the initial Title V permit. The report is due within thirty (30) days of the end of the reporting period. Although the reports are due every six months, each report shall contain a full year of data. The report must clearly identify all instances of deviations from permit requirements. A responsible official as defined in Regulation No. 26, §26.2 must certify all required reports. The permittee will send the reports to the address below:

    Arkansas Department of Environmental Quality
    Air Division
    ATTN: Compliance Inspector Supervisor
    5301 Northshore Drive
    North Little Rock, AR 72118-5317

    [40 CFR 70.6(a)(3)(iii)(A) and Regulation 26 §26.701(C)(3)(a)]

8. The permittee shall report to the Department all deviations from permit requirements, including those attributable to upset conditions as defined in the permit.

    a. For all upset conditions (as defined in Regulation19, § 19.601), the permittee will make an initial report to the Department by the next business day after the discovery of the occurrence. The initial report may be made by telephone and shall include:

        i. The facility name and location;
        ii. The process unit or emission source deviating from the permit limit;
        iii. The permit limit, including the identification of pollutants, from which deviation occurs;
        iv. The date and time the deviation started;
        v. The duration of the deviation;
        vi. The average emissions during the deviation;
        vii. The probable cause of such deviations;
        viii. Any corrective actions or preventive measures taken or being taken to prevent such deviations in the future; and
        ix. The name of the person submitting the report.

The permittee shall make a full report in writing to the Department within five (5) business days of discovery of the occurrence. The report must include, in addition to the information required by the initial report, a schedule of actions taken or planned to eliminate future occurrences and/or to minimize the amount the permit's limits were exceeded and to reduce the length of time the limits were exceeded. The permittee may submit a full report in writing (by facsimile, overnight courier, or other means) by the next business day after discovery of the occurrence, and the report will serve as both the initial report and full report.

b. For all deviations, the permittee shall report such events in semi-annual reporting and annual certifications required in this permit. This includes all upset conditions reported in 8a above. The semi-annual report must include all the information as required by the initial and full reports required in 8a.

[Regulation 19 §19.601 and §19.602, Regulation 26 §26.701(C)(3)(b), and 40 CFR 70.6(a)(3)(iii)(B)]

9. If any provision of the permit or the application thereof to any person or circumstance is held invalid, such invalidity will not affect other provisions or applications hereof which can be given effect without the invalid provision or application, and to this end, provisions of this Regulation are declared to be separable and severable. [40 CFR 70.6(a)(5), Regulation 26 §26.701(E), and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

10. The permittee must comply with all conditions of this Part 70 permit. Any permit noncompliance with applicable requirements as defined in Regulation 26 constitutes a violation of the Clean Air Act, as amended, 42 U.S.C. §7401, et seq. and is grounds for enforcement action; for permit termination, revocation and reissuance, for permit modification; or for denial of a permit renewal application. [40 CFR 70.6(a)(6)(i) and Regulation 26 §26.701(F)(1)]

11. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of this permit. [40 CFR 70.6(a)(6)(ii) and Regulation 26 §26.701(F)(2)]

12. The Department may modify, revoke, reopen and reissue the permit or terminate the permit for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [40 CFR 70.6(a)(6)(iii) and Regulation 26 §26.701(F)(3)]

13. This permit does not convey any property rights of any sort, or any exclusive privilege. [40 CFR 70.6(a)(6)(iv) and Regulation 26 §26.701(F)(4)]

14. The permittee must furnish to the Director, within the time specified by the Director, any information that the Director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee must also furnish to the Director copies of records required by the permit. For information the permittee claims confidentiality, the Department may require the permittee to furnish such records directly to the Director along with a claim of confidentiality. [40 CFR 70.6(a)(6)(v) and Regulation 26 §26.701(F)(5)]

15. The permittee must pay all permit fees in accordance with the procedures established in Regulation 9. [40 CFR 70.6(a)(7) and Regulation 26 §26.701(G)]

16. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes provided for elsewhere in this permit. [40 CFR 70.6(a)(8) and Regulation 26 §26.701(H)]

17. If the permit allows different operating scenarios, the permittee shall, contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility a record of the operational scenario. [40 CFR 70.6(a)(9)(i) and Regulation 26 §26.701(I)(1)]

18. The Administrator and citizens may enforce under the Act all terms and conditions in this permit, including any provisions designed to limit a source's potential to emit, unless the Department specifically designates terms and conditions of the permit as being federally unenforceable under the Act or under any of its applicable requirements. [40 CFR 70.6(b) and Regulation 26 §26.702(A) and (B)]

19. Any document (including reports) required by this permit must contain a certification by a responsible official as defined in Regulation 26, §26.2. [40 CFR 70.6(c)(1) and Regulation 26 §26.703(A)]

20. The permittee must allow an authorized representative of the Department, upon presentation of credentials, to perform the following: [40 CFR 70.6(c)(2) and Regulation 26 §26.703(B)]

    a. Enter upon the permittee's premises where the permitted source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
    b. Have access to and copy, at reasonable times, any records required under the conditions of this permit;
    c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and

d. As authorized by the Act, sample or monitor at reasonable times substances or parameters for assuring compliance with this permit or applicable requirements.

21. The permittee shall submit a compliance certification with the terms and conditions contained in the permit, including emission limitations, standards, or work practices. The permittee must submit the compliance certification annually within 30 days following the last day of the anniversary month of the initial Title V permit. The permittee must also submit the compliance certification to the Administrator as well as to the Department. All compliance certifications required by this permit must include the following: [40 CFR 70.6(c)(5) and Regulation 26 §26.703(E)(3)]

a. The identification of each term or condition of the permit that is the basis of the certification;
b. The compliance status;
c. Whether compliance was continuous or intermittent;
d. The method(s) used for determining the compliance status of the source, currently and over the reporting period established by the monitoring requirements of this permit; and
e. Such other facts as the Department may require elsewhere in this permit or by §114(a)(3) and §504(b) of the Act.

22. Nothing in this permit will alter or affect the following: [Regulation 26 §26.704(C)]

a. The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section;
b. The liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance;
c. The applicable requirements of the acid rain program, consistent with §408(a) of the Act; or
d. The ability of EPA to obtain information from a source pursuant to §114 of the Act.

23. This permit authorizes only those pollutant emitting activities addressed in this permit. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

24. The permittee may request in writing and at least 15 days in advance of the deadline, an extension to any testing, compliance or other dates in this permit. No such extensions are authorized until the permittee receives written Department approval. The Department may grant such a request, at its discretion in the following circumstances:

a. Such an extension does not violate a federal requirement;
b. The permittee demonstrates the need for the extension; and
c. The permittee documents that all reasonable measures have been taken to meet the current deadline and documents reasons it cannot be met.

[Regulation 18 §18.314(A), Regulation 19 §19.416(A), Regulation 26 §26.1013(A), A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

25. The permittee may request in writing and at least 30 days in advance, temporary emissions and/or testing that would otherwise exceed an emission rate, throughput requirement, or other limit in this permit. No such activities are authorized until the permittee receives written Department approval. Any such emissions shall be included in the facility's total emissions and reported as such. The Department may grant such a request, at its discretion under the following conditions:

    a. Such a request does not violate a federal requirement;
    b. Such a request is temporary in nature;
    c. Such a request will not result in a condition of air pollution;
    d. The request contains such information necessary for the Department to evaluate the request, including but not limited to, quantification of such emissions and the date/time such emission will occur;
    e. Such a request will result in increased emissions less than five tons of any individual criteria pollutant, one ton of any single HAP and 2.5 tons of total HAPs; and
    f. The permittee maintains records of the dates and results of such temporary emissions/testing.

[Regulation 18 §18.314(B), Regulation 19 §19.416(B), Regulation 26 §26.1013(B), A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

26. The permittee may request in writing and at least 30 days in advance, an alternative to the specified monitoring in this permit. No such alternatives are authorized until the permittee receives written Department approval. The Department may grant such a request, at its discretion under the following conditions:

    h. The request does not violate a federal requirement;
    i. The request provides an equivalent or greater degree of actual monitoring to the current requirements; and
    j. Any such request, if approved, is incorporated in the next permit modification application by the permittee.

[Regulation 18 §18.314(C), Regulation 19 §19.416(C), Regulation 26 §26.1013(C), A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

APPENDIX A

40 CFR Part 60, Subpart DD—Standards of Performance for Grain Elevators

Source: 43 FR 34347, Aug. 3, 1978, unless otherwise noted.

§ 60.300 Applicability and designation of affected facility.

(a) The provisions of this subpart apply to each affected facility at any grain terminal elevator or any grain storage elevator, except as provided under §60.304(b). The affected facilities are each truck unloading station, truck loading station, barge and ship unloading station, barge and ship loading station, railcar loading station, railcar unloading station, grain dryer, and all grain handling operations.

(b) Any facility under paragraph (a) of this section which commences construction, modification, or reconstruction after August 3, 1978, is subject to the requirements of this part.

[43 FR 34347, Aug. 3, 1978, as amended at 52 FR 42434, Nov. 5, 1988]

§ 60.301 Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

(a) *Grain* means corn, wheat, sorghum, rice, rye, oats, barley, and soybeans.

(b) *Grain elevator* means any plant or installation at which grain is unloaded, handled, cleaned, dried, stored, or loaded.

(c) *Grain terminal elevator* means any grain elevator which has a permanent storage capacity of more than 88,100 m^3 (ca. 2.5 million U.S. bushels), except those located at animal food manufacturers, pet food manufacturers, cereal manufacturers, breweries, and livestock feedlots.

(d) *Permanent storage capacity* means grain storage capacity which is inside a building, bin, or silo.

(e) *Railcar* means railroad hopper car or boxcar.

(f) *Grain storage elevator* means any grain elevator located at any wheat flour mill, wet corn mill, dry corn mill (human consumption), rice mill, or soybean oil extraction plant which has a permanent grain storage capacity of 35,200 m^3 (ca. 1 million bushels).

(g) *Process emission* means the particulate matter which is collected by a capture system.

(h) *Fugitive emission* means the particulate matter which is not collected by a capture system and is released directly into the atmosphere from an affected facility at a grain elevator.

(i) *Capture system* means the equipment such as sheds, hoods, ducts, fans, dampers, etc. used to collect particulate matter generated by an affected facility at a grain elevator.

(j) *Grain unloading station* means that portion of a grain elevator where the grain is transferred from a truck, railcar, barge, or ship to a receiving hopper.

(k) *Grain loading station* means that portion of a grain elevator where the grain is transferred from the elevator to a truck, railcar, barge, or ship.

(l) *Grain handling operations* include bucket elevators or legs (excluding legs used to unload barges or ships), scale hoppers and surge bins (garners), turn heads, scalpers, cleaners, trippers, and the headhouse and other such structures.

(m) *Column dryer* means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in one or more continuous packed columns between two perforated metal sheets.

(n) *Rack dryer* means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in a cascading flow around rows of baffles (racks).

(o) *Unloading leg* means a device which includes a bucket-type elevator which is used to remove grain from a barge or ship.

[43 FR 34347, Aug. 3, 1978, as amended at 65 FR 61759, Oct. 17, 2000]

§ 60.302 Standard for particulate matter.

(a) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any gases which exhibit greater than 0 percent opacity from any:

(1) Column dryer with column plate perforation exceeding 2.4 mm diameter (ca. 0.094 inch).

(2) Rack dryer in which exhaust gases pass through a screen filter coarser than 50 mesh.

(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility except a grain dryer any process emission which:

(1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).

(2) Exhibits greater than 0 percent opacity.

(c) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any fugitive emission from:

(1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.

(2) Any grain handling operation which exhibits greater than 0 percent opacity.

(3) Any truck loading station which exhibits greater than 10 percent opacity.

(4) Any barge or ship loading station which exhibits greater than 20 percent opacity.

(d) The owner or operator of any barge or ship unloading station shall operate as follows:

(1) The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper.

(2) The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40 ft^3 /bu).

(3) Rather than meet the requirements of paragraphs (d)(1) and (2) of this section the owner or operator may use other methods of emission control if it is demonstrated to the Administrator's satisfaction that they would reduce emissions of particulate matter to the same level or less.

§ 60.303 Test methods and procedures.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of this section.

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.302 as follows:

(1) Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters.

(2) Method 2 shall be used to determine the ventilation volumetric flow rate.

(3) Method 9 and the procedures in §60.11 shall be used to determine opacity.

(c) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For Method 5, Method 17 may be used.

[54 FR 6674, Feb. 14, 1989]

§ 60.304 Modifications.

(a) The factor 6.5 shall be used in place of "annual asset guidelines repair allowance percentage," to determine whether a capital expenditure as defined by §60.2 has been made to an existing facility.

(b) The following physical changes or changes in the method of operation shall not by themselves be considered a modification of any existing facility:

(1) The addition of gravity loadout spouts to existing grain storage or grain transfer bins.

(2) The installation of automatic grain weighing scales.

(3) Replacement of motor and drive units driving existing grain handling equipment.

(4) The installation of permanent storage capacity with no increase in hourly grain handling capacity.

CERTIFICATE OF SERVICE

I, Pam Owen, hereby certify that a copy of this permit has been mailed by first class mail to Riceland Foods, Inc. - Jonesboro Division, PO Box 927, Stuttgart, AR, 72160, on this 28th day of December, 2011.

Pam Owen

Pam Owen, AAII, Air Division