

ADEQ

ARKANSAS
Department of Environmental Quality

SEP 30 2013

Thomas Stivers, Plant Superintendent
Harvest Rice (Otwell) Inc.
434 Highway 158 West
Weiner, AR 72479

Dear Mr. Stivers:

The enclosed Permit No. 0506-AR-3 is your authority to construct, operate, and maintain the equipment and/or control apparatus as set forth in your application initially received on 6/25/2013.

After considering the facts and requirements of A.C.A. §8-4-101 et seq., and implementing regulations, I have determined that Permit No. 0506-AR-3 for the construction, operation and maintenance of an air pollution control system for Harvest Rice (Otwell) Inc. 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

Enclosure

ADEQ MINOR SOURCE AIR PERMIT

Permit No. : 0506-AR-3

IS ISSUED TO:

Harvest Rice (Otwell) Inc.
434 Highway 158 West
Jonesboro, AR 72479
Craighead County

AFIN: 16-00112

THIS PERMIT IS THE ABOVE REFERENCED PERMITTEE'S AUTHORITY TO CONSTRUCT, MODIFY, OPERATE, AND/OR MAINTAIN THE EQUIPMENT AND/OR FACILITY IN THE MANNER AS SET FORTH IN THE DEPARTMENT'S MINOR SOURCE AIR PERMIT AND THE APPLICATION. THIS PERMIT IS ISSUED PURSUANT TO THE PROVISIONS OF THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT (ARK. CODE ANN. SEC. 8-4-101 *ET SEQ.*) AND THE REGULATIONS PROMULGATED THEREUNDER, AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:



Mike Bates
Chief, Air Division

SEP 30 2013

Date

Harvest Rice (Otwell) Inc.
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ENCLOSURE

Harvest Rice (Otwell) Inc.
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List of Acronyms and Abbreviations

A.C.A.	Arkansas Code Annotated
AFIN	ADEQ Facility Identification Number
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CR	Clean Rice (milled rice)
HAP	Hazardous Air Pollutant
lb/hr	Pound Per Hour
No.	Number
NO _x	Nitrogen Oxide
PM	Particulate Matter
PM ₁₀	Particulate Matter Smaller Than Ten Microns
RR	Rough Rice
SO ₂	Sulfur Dioxide
Tpy	Tons Per Year
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compound

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Section I: FACILITY INFORMATION

PERMITTEE: Harvest Rice (Otwell) Inc.

AFIN: 16-00112

PERMIT NUMBER: 0506-AR-3

FACILITY ADDRESS: 434 Highway 158 West
Jonesboro, AR 72479

MAILING ADDRESS: 434 Highway 158 West
Weiner, AR 72479

COUNTY: Craighead County

CONTACT NAME: Thomas Stivers

CONTACT POSITION: Plant Superintendent

TELEPHONE NUMBER: 870-934-1247

REVIEWING ENGINEER: Patty Campbell, PE

UTM North South (Y): Zone 15: 3954066.84 m

UTM East West (X): Zone 15: 694743.44 m

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Section II: INTRODUCTION

Summary of Permit Activity

Harvest Rice (Otwell), Inc. owns and operates a grain terminal elevator storage facility located at 434 Highway 158 West, Otwell, Craighead County, AR 72479. This facility unloads, handles, stores, and loads rice. This permitting action is necessary to:

1. Add six (6) clean rice storage bins and elevator to the facility, SN-43 through SN-48;
2. Increase clean rice annual throughput from 90,000 to 120,000 tons maximum; and
3. Increase rough rice annual throughput from 163,289 to 220,000 tons maximum.

Total permitted annual emission rate limit increases associated with this modification are: 8.8 tpy (tons per year) PM and 2.9 tpy PM₁₀.

Process Description

Rough rice is delivered to the facility via hopper truck. The rice is unloaded into the rough rice bins dump pit (SN-20). Grain handling includes conveying the rough rice to either a storage bin (SN-01 through SN-18, SN-27 through SN-32, and SN-35 through SN-40) or to the flat-storage warehouse (SN-19). The stored rough rice in the bins is loaded onto trucks (SN-21, 22, or 24) or railcars (SN-23) and shipped offsite.

Clean rice, rice that has already been milled, is also received at this facility. It is delivered via hopper truck or railcar and unloaded into the clean rice dump pits (SN-26 or SN-33). Grain handling includes conveying the clean rice to either indoor storage bins or outdoor storage bins (SN-43 through SN-48) until it is later packaged for sale (SN-25) or loaded onto railcars for bulk shipment (SN-23).

The maximum loading and unloading rate at the truck stations (SN-20, 21, 22, 24, and 26) are 75 tons per hour. The maximum loading and unloading rate at the railcar stations are 33 tons per hour. The facility has two portable, belly pan unloading conveyors (SN-41 and SN-42) used to offload either rough or clean rice in the event of equipment maintenance or breakdown. Emissions from SN-41 and SN-42 are included in the truck dump pit for rough rice SN-20 and the truck dump pit for clean rice SN-26, based on the annual throughput of rough and clean rice, respectively.

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Regulations

The following table contains the regulations applicable to this permit.

Regulations
Arkansas Air Pollution Control Code, Regulation 18, effective June 18, 2010
Regulations of the Arkansas Plan of Implementation for Air Pollution Control, Regulation 19, effective July 27, 2013
40 CFR 60 Subpart DD - <i>Standards of Performance for Grain Elevators</i> ¹ for rough rice

¹ EPA Applicability Determination Document #9800013, issued 9/7/1997, states that hominy, corn with its bran and germ removed, is not grain. Clean (milled) rice, with its bran and germ removed, is not grain. Therefore, *clean* rice holding bins are not subject to 40 CFR Subpart DD.

Total Allowable Emissions

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

TOTAL ALLOWABLE EMISSIONS		
Pollutant	Emission Rates	
	lb/hr	tpy
PM	28.6	35.2
PM ₁₀	10.7	12.3

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Section III: PERMIT HISTORY

Permit #0506-A was issued to Harvest Rice (Otwell), Inc. on July 28, 1978. This permit was voided on April 10, 2003 due to the closure of the facility.

Permit #0506-AR-1 was issued to Harvest Rice (Otwell), Inc. on October 24, 2011. This permit was the new air permit for the minor source facility. The emission limits established by this permit were 20.1 tpy PM and 7.1 tpy PM₁₀.

Permit #0506-AR-2 was issued to Harvest Rice (Otwell), Inc. on December 6, 2012. With this de minimis modification, the facility increased annual clean rice throughput to 90,000 tons per year and installed two new portable conveyors, SN-41 and 42. The permitted emissions changed as follows: 6.3 tpy PM and 2.3 tpy PM₁₀.

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Section IV: EMISSION UNIT INFORMATION

Specific Conditions

- The permittee shall not exceed the emission rates set forth in the following table.
 [Regulation 19 §19.501 et seq. and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

SN	Description	Pollutant	lb/hr	tpy
01-18, 19, 27-32, & 35-40	Grain Handling Operation Rough Rice Storage Bins A through R, T through Y, Z through EE, and Warehouse (SN-19)	PM ₁₀	0.7	0.7
20, 41, & 42	Rough Rice Truck Dump Receiving Pit A & RR Portable Unload Conveyors A & B	PM ₁₀	0.6	0.9
21, 22, 24	Rough Rice Truck Loadout A, B, and D (3 Spouts)	PM ₁₀	2.2	3.2
23	Railcar Loadout C Clean & Rough Rice	PM ₁₀	0.1	0.3
25 & 43-48	Packaging and Clean Rice Storage – Internal Bins 101-116 & External Bins 117-122	PM ₁₀	0.4	0.4
26, 41, & 42	Clean Rice Truck Dump Receiving Pit B & CR Portable Unload Conveyors A & B	PM ₁₀	0.6	0.5
33	Clean Rice Railcar Dump Receiving Pit C	PM ₁₀	0.3	0.5
34	Grain Handling Operation (RR & CR) Elevators, Legs, & Conveyors	PM ₁₀	5.8	5.8

¹ SN-41 and SN-42 conveyors (A & B) and SN-34 are used for unloading and conveying both RR and CR.

- The permittee shall not exceed the emission rates set forth in the following table.
 [Regulation 18 §18.801 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

SN	Description	Pollutant	lb/hr	tpy
01-18, 19, 27-32, & 35-40	Grain Handling Operation Rough Rice Storage Bins A through R, T through Y, Z through EE, and Warehouse (SN-19)	PM	2.8	2.8

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SN	Description	Pollutant	lb/hr	tpy
20, 41, & 42	Rough Rice Truck Dump Receiving Pit A & RR Portable Unload Conveyors A & B	PM	2.7	3.9
21, 22, 24	RR Truck Loadout A, B, and D (3 Spouts)	PM	6.5	9.5
23	Railcar Loadout C Clean & Rough Rice	PM	0.9	3.0
25 & 43-48	Packaging and CR Storage – Internal Bins 101–116 & External Bins 117–122	PM	1.5	1.5
26, 41, & 42	Clean Rice Truck Dump Receiving Pit B & CR Portable Unload Conveyors A & B	PM	2.7	2.1
33	Clean Rice Railcar Dump Receiving Pit C	PM	1.1	2.0
34	Grain Handling Operation (RR & CR) Elevators, Legs, & Conveyors	PM	10.4	10.4

3. Visible emissions may not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

SN	Limit	Regulatory Citation
01 through 19, 25 through 32, 35 through 40 (Rough Rice Storage)	5%	§18.501 and A.C.A.
20, 23 (Truck Unloading, Railcar Unloading & Railcar Loading)	5%	40 CFR §60.302(c)(1)
21, 22, 24 (Truck Loading)	10%	40 CFR §60.302(c)(3)
33, 34, 41, 42 (Grain Handling)	0%	40 CFR §60.302(c)(2)
43 through 48 (Clean Rice Storage)	5%	§18.501 and A.C.A.

4. The permittee shall not cause or permit the emission of air contaminants, including odors or water vapor and including an air contaminant whose emission is not otherwise prohibited by Regulation #18, if the emission of the air contaminant constitutes air pollution within the meaning of A.C.A. §8-4-303. [Regulation 18 §18.801 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

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5. The permittee shall not conduct operations in such a manner as to unnecessarily cause air contaminants and other pollutants to become airborne. [Regulation 18 §18.901 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
6. The permittee shall not exceed a throughput of 220,000 tons of rough rice (RR) and 120,000 tons of clean rice (CR) at the facility per rolling 12 month period. [Regulation 19 §19.705 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
7. The permittee shall maintain monthly records to demonstrate compliance with Specific Condition #6. The permittee shall update these records by the fifteenth day of the month following the month to which the records pertain. The twelve month rolling totals and each individual month's data shall be maintained on-site and made available to Department personnel upon request. [Regulation 19 §19.705 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

NSPS Subpart DD Conditions

8. The permittee shall comply with all applicable provisions of 40 CFR Part 60 Subpart DD – *Standards of Performance for Grain Elevators* (Appendix A), because permanent storage capacity at the Harvest Rice (Otwell) grain terminal elevator exceeds 2.5 million U.S. bushels. Otwell facility has a combined permanent storage capacity of 5,043,624 U.S. bushels. [Regulation 19 §19.304 and 40 CFR Part 60 Subpart DD]
9. The permittee shall not cause to be discharged into the atmosphere any uncontrolled emissions from: [Regulation 19 §19.304 and §60.302(c)(1 through 3)]
 - a. Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.
 - b. Any grain handling operation which exhibits greater than 0 percent opacity.
 - c. Any truck loading station which exhibits greater than 10 percent opacity.
10. The permittee shall determine compliance with the opacity standards in §60.302 (Specific Condition #9) as follows: Method 9 and the procedures in §60.11 shall be used to determine opacity in accordance with §60.303(b)(3). The permittee must conduct opacity observations at least once per year in accordance with General Condition #7 by personnel trained, but not necessarily certified in EPA Reference Method 9 and familiar with the facility's opacity requirements. If visible emissions in excess of the permitted levels are detected, the permittee must immediately take action to identify and correct the cause of the visible emissions in excess of the permit limit. After implementing the corrective action, the permittee must document that the source complies with the visible emissions requirement. If a source is not operating, a note shall be made in the records stating such. A written report with all test results shall be submitted to the Department at the address in General Condition #6. These records shall be updated on an as-performed basis, maintained onsite, made available to Department personnel upon request. The report shall contain the following: [Regulation 19 §19.304 and 40 CFR Part 60 Subpart DD]

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- a. Indicate the facility name, AFIN, and physical address;
- b. Indicate the date, time, source number, and source description of each test observation;
- c. Show the results of the observation by source;
- d. Name the person performing the observation;
- e. If visible emissions which appeared to be above the permitted limit were detected, indicate the cause of the 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; and
- f. A statement by a responsible official with that official's name, title, phone number, e-mail address and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR 60 Subpart DD.

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Section V: INSIGNIFICANT ACTIVITIES

The Department deems the following types of activities or emissions as insignificant on the basis of size, emission rate, production rate, or activity in accordance with Group A of the Insignificant Activities list found in Regulation 18 and 19 Appendix A. Insignificant activity emission determinations rely upon the information submitted by the permittee in an application dated June 25, 2013.

Description	Category
None identified.	

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Section VI: GENERAL CONDITIONS

1. Any terms or conditions included in this permit that 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 that 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.
2. This permit does not relieve the owner or operator of the equipment and/or the facility from compliance with all applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated under the Act. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
3. The permittee shall notify the Department in writing within thirty (30) days after commencement of construction, completion of construction, first operation of equipment and/or facility, and first attainment of the equipment and/or facility target production rate. [Regulation 19 §19.704 and/or A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
4. Construction or modification must commence within eighteen (18) months from the date of permit issuance. [Regulation 19 §19.410(B) and/or Regulation 18 §18.309(B) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
5. The permittee must keep records for five years to enable the Department to determine compliance with the terms of this permit such as hours of operation, throughput, upset conditions, and continuous monitoring data. The Department may use the records, at the discretion of the Department, to determine compliance with the conditions of the permit. [Regulation 19 §19.705 and/or Regulation 18 §18.1004 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
6. A responsible official must certify any reports required by any condition contained in this permit and submit any reports to the Department at the address below. [Regulation 19 §19.705 and/or Regulation 18 §18.1004 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

Arkansas Department of Environmental Quality
Air Division
ATTN: Compliance Inspector Supervisor

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5301 Northshore Drive
North Little Rock, AR 72118-5317

7. The permittee shall test any equipment scheduled for testing, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, within the following time frames: (1) newly constructed or 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) existing equipment already operating according to the time frames set forth by the Department. 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 must submit compliance test results to the Department within thirty (30) calendar days after the completion of testing. [Regulation 19 §19.702 and/or Regulation 18 §18.1002 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
8. The permittee shall provide: [Regulation 19 §19.702 and/or Regulation 18 §18.1002 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
 - 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
9. The permittee shall operate equipment, control apparatus and emission monitoring equipment within their design limitations. The permittee shall maintain in good condition at all times equipment, control apparatus and emission monitoring equipment. [Regulation 19 §19.303 and/or Regulation 18 §18.1104 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
10. If the permittee exceeds an emission limit established by this permit, the permittee will be deemed in violation of said permit and will be subject to enforcement action. The Department may forego enforcement action for emissions exceeding any limits established by this permit provided the following requirements are met: [Regulation 19 §19.601 and/or Regulation 18 §18.1101 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
 - a. The permittee demonstrates to the satisfaction of the Department that the emissions resulted from an equipment malfunction or upset and are not the result of negligence or improper maintenance, and the permittee took all reasonable measures to immediately minimize or eliminate the excess emissions.
 - b. The permittee reports the occurrence or upset or breakdown of equipment (by telephone, facsimile, or overnight delivery) to the Department by the end of the next business day after the occurrence or the discovery of the occurrence.
 - c. The permittee must submit to the Department, within five business days after the occurrence or the discovery of the occurrence, a full, written report of such occurrence, including a statement of all known causes and of the scheduling and

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nature of the actions to be taken to minimize or eliminate future occurrences, including, but not limited to, action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded, and to reduce the length of time for which said limits are exceeded. If the information is included in the initial report, the information need not be submitted again.

11. The permittee shall allow representatives of the Department upon the presentation of credentials: [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
 - a. To enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of this permit;
 - b. To have access to and copy any records required to be kept under the terms and conditions of this permit, or the Act;
 - c. To inspect any monitoring equipment or monitoring method required in this permit;
 - d. To sample any emission of pollutants; and
 - e. To perform an operation and maintenance inspection of the permitted source.
12. The Department issued this permit in reliance upon the statements and presentations made in the permit application. The Department has no responsibility for the adequacy or proper functioning of the equipment or control apparatus. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
13. The Department may revoke or modify this permit when, in the judgment of the Department, such revocation or modification is necessary to comply with the applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated the Arkansas Water and Air Pollution Control Act. [Regulation 19 §19.410(A) and/or Regulation 18 §18.309(A) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
14. This permit may be transferred. An applicant for a transfer must submit a written request for transfer of the permit on a form provided by the Department and submit the disclosure statement required by Arkansas Code Annotated §8-1-106 at least thirty (30) days in advance of the proposed transfer date. The permit will be automatically transferred to the new permittee unless the Department denies the request to transfer within thirty (30) days of the receipt of the disclosure statement. The Department may deny a transfer on the basis of the information revealed in the disclosure statement or other investigation or, deliberate falsification or omission of relevant information. [Regulation 19 §19.407(B) and/or Regulation 18 §18.307(B) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
15. This permit shall be available for inspection on the premises where the control apparatus is located. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]

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16. This permit authorizes only those pollutant emitting activities addressed herein. [A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
17. This permit supersedes and voids all previously issued air permits for this facility. [Regulation 18 and 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311]
18. The permittee must pay all permit fees in accordance with the procedures established in Regulation No. 9. [A.C.A §8-1-105(c)]
19. 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), A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

20. 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 facilities 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), A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, and 40 CFR Part 52, Subpart E]

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21. 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:
 - a. The request does not violate a federal requirement;
 - b. The request provides an equivalent or greater degree of actual monitoring to the current requirements; and
 - c. 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), 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 60 Subpart DD

Subpart DD—Standards of Performance for Grain Elevators

Contents

- § 60.300 Applicability and designation of affected facility.
 - § 60.301 Definitions.
 - § 60.302 Standard for particulate matter.
 - § 60.303 Test methods and procedures.
 - § 60.304 Modifications.
-

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 m³ (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 m³ (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 ft³ /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.

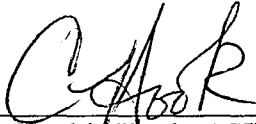
(a) The factor 6.5 shall be used in place of "annual asset guidelines repair allowance percentage," to determine whether a capital expenditure as defined by § 60.2 has been made to an existing facility.

(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.
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CERTIFICATE OF SERVICE

I, Cynthia Hook, hereby certify that a copy of this permit has been mailed by first class mail to Harvest Rice (Otwell) Inc., 434 Highway 158 West, Weiner, AR, 72479, on this 30th day of September, 2013.

A handwritten signature in black ink, appearing to read 'C Hook', is written over a horizontal line.

Cynthia Hook, ASIII, Air Division