



State of Mississippi

AIR POLLUTION CONTROL PERMIT



To Construct Air Emissions Equipment

THIS CERTIFIES

Enviva Pellets Wiggins LLC

81 Old Highway 49

Wiggins, MS

Stone County

has been granted permission to construct air emissions equipment to comply with the emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: FEB 01 2011

Expires:

Permit No. 2540-00025

Agency Interest # 37405

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Subject Item Inventory

Permit Number:2540-00025

Activity ID No.: PER20100001

Subject Item Inventory:

ID	Designation	Description
AI37405		
CONT1	AA-003	System Dust Collector Baghouse
CONT2	AA-004	Cooler System Cyclone
EQPT1	AA-001	30 MMBTU/hr Wood fired Dryer(No. 1) with a multiclone
EQPT2	AA-002	45 MMBTU/hr Wood fired Dryer(No. 2) with a cyclone
EQPT3	AA-005	1013 gallon Diesel storage tank
EQPT4	AA-007	No. 2 Secondary Hammermill System w/ High-eff. cyclone
EQPT5	AA-006	No. 1 Secondary Hammermill System w/ High-eff. cyclone
EQPT6	AA-012	No. 1 Pellet Mill Aspiration System
EQPT7	AA-013	No. 2 Pellet Mill Aspiration System
EQPT8	AA-014	Pellet Cooler 2 w/ Hi-Efficiency Cyclone
EQPT9	AA-015	Dustless Loadout Spout
EQPT11	AA-016	Green Metering Bin w/ Hi-Efficiency Cyclone
EQPT12	AA-018	Dryer Fuel Bin w/ Hi-Efficiency Cyclone
EQPT13	AA-017	Dry Storage Silo w/ Bin Vent Filter
EQPT14	AA-019	Pellet Loadout Silo w/ Bin Vent Filter
EQPT15	AA-008	No. 1 Pellet Mill Surge Bin w/ vent filter
EQPT16	AA-009	No. 2 Pellet Mill Surge Bin w/ vent filter
EQPT17	AA-010	No. 3 Pellet Mill Surge Bin w/ vent filter

*** Official MDEQ Permit - Version 1.1 ***

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ID	Designation	Description
EQPT18	AA-011	Pellet Mills 4-6 Surge Bin w/ Bin Vent Filter

Subject Item Groups:

ID	Description	Components
GRPT1	AA-001 and AA-002	EQPT2 45 MMBTU/hr Wood fired Dryer(No. 2) with a cyclone
		EQPT1 30 MMBTU/hr Wood fired Dryer(No. 1) with a multiclone
GRPT2	AA-008 through AA-011	EQPT18 Pellet Mills 4-6 Surge Bin w/ Bin Vent Filter
		EQPT17 No. 3 Pellet Mill Surge Bin w/ vent filter
		EQPT16 No. 2 Pellet Mill Surge Bin w/ vent filter
		EQPT15 No. 1 Pellet Mill Surge Bin w/ vent filter
GRPT3	AA-014 and AA-015	EQPT6 No. 1 Pellet Mill Aspiration System
		EQPT7 No. 2 Pellet Mill Aspiration System
GRPT5	AA-006 and AA-007	EQPT5 No. 1 Secondary Hammermill System w/ High-eff. cyclone
		EQPT4 No. 2 Secondary Hammermill System w/ High-eff. cyclone

Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 37405	Discharges Into	Wetland Adjacent to
	Then Into	Red Creek

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

TRMT = Treatment

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KEY

TRMT = Treatment

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AI0000037405:

Submittal/Action Requirements:

Condition No.	Condition
S-1	General Condition: The permittee shall submit certification of construction: Due within thirty (30) days of completion of construction or installation of an approved stationary source or prior to startup, whichever is earlier. The notification shall certify that construction or installation was performed in accordance with the approved plans and specifications. In the event there is any change in construction from the previously approved plans and specifications or permit, the permittee shall promptly notify MDEQ in writing. If MDEQ determines the changes are substantial, MDEQ may require the submission of a new application to construct with "as built" plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an "as built" application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law. [APC-S-2 V.D]
S-2	Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun. [APC-S-2 V.C(2)]
S-3	The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more. [APC-S-2 V.C(3)]

Narrative Requirements:

General Condition:

Condition No.	Condition
T-1	General Condition: The stationary source shall be designed and constructed so as to operate without causing a violation of any Applicable Rules and Regulations or this permit, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries. [APC-S-2 V.A]
T-2	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49_17_29 1.b]
T-3	General Condition: The necessary facilities shall be constructed so that solids removed in the course of control of air emissions may be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering State waters without the proper environmental permits. [Miss. Code Ann. 49_17_29]

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Narrative Requirements:

General Condition:

Condition No.	Condition
T-4	General Condition: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed except as provided for in Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [APC-S-1 10]
T-5	General Condition: The permittee shall allow the Mississippi Environmental Quality Commission, the Mississippi Environmental Quality Permit Board, MDEQ staff and/or their authorized representatives, upon the presentation of credentials: a. To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit; and b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring equipment or monitoring method required in this permit, and to sample any air emission. [Miss. Code Ann. 49_17_21]
T-6	General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for good cause shown including, but not limited to, the following: a. Persistent violation of any terms or conditions of this permit; b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or c. A change in any condition that requires either a temporary or permanent reduction or elimination of previously authorized air emissions. [APC-S-2 II.C]
T-7	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49_17_39]
Condition No.	Condition
T-8	General Condition: This permit is for air pollution control purposes only. [APC-S-2 I.D]
T-9	General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for operating without a valid permit pursuant to State Law. [APC-S-2 II.B(5)]
T-10	General Condition: It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits. [APC-S-2 I.D(6)]

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Narrative Requirements:

Condition No.	Condition
T-11	General Condition: The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities. [APC-S-2 II.B(7)]
T-12	General Condition: 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 in order to maintain compliance with the conditions of the permit, unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [APC-S-2 II.B(15)a]
T-13	General Condition: The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [APC-S-2 II.B(15)b]
T-14	General Condition: The permit does not convey any property rights of any sort, or any exclusive privilege. [APC-S-2 II.B(15)c]
T-15	General Condition: The permittee shall furnish to the DEQ within a reasonable time any information the DEQ 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 shall also furnish to the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. [APC-S-2 II.B(15)d]
T-16	General Condition: This permit shall not be transferred except upon approval of the Permit Board. [APC-S-2 XVI.B]
T-17	General Condition: The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [APC-S-2 I.D(7)]
T-18	General Condition: The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more. [APC-S-2 V.C(1)]
T-19	General Condition: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. [APC-S-2 V.D(3)]

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Narrative Requirements:

Condition No.	Condition
T-20	General Condition: Except as prohibited in APC-S-2, Section V.D.7, after certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by APC-S-2, Section XIII.G. [APC-S-2 V.D(4)]
T-21	General Condition: Except as otherwise specified in APC-S-2, Section V.D.7, the application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing. [APC-S-2 V.D(5)]
T-22	General Condition: Except as otherwise specified in APC-S-2, Section V.D.7, upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate. [APC-S-2 V.D(6)]
T-23	General Condition: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to net out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities. [APC-S-2 V.D(7)]
T-24	General Condition: Regarding compliance testing: (a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time. (b) Compliance testing will be performed at the expense of the permittee. (c) Each emission sampling and analysis report shall include but not be limited to the following: 1. detailed description of testing procedures; 2. sample calculation(s); 3. results; and 4. comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit. [APC-S-2 VI.B(3, 4 and 6)]
T-25	General Condition: The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum. [APC-S-2 V.A(4)]

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CONT0000000001 (AA-003) System Dust Collector Baghouse:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: For Emission Point AA-003, the permittee shall not cause, permit or allow the emission of particulate matter (PM) to exceed the relationship of: $E = 4.1(P)^{0.67}$ Where E= allowable emission rate (lb/hr), and P= process input weight rate, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A. [APC-S-1 3.6(a)]
L-2	Opacity	For Emission Point AA-003, the permittee shall have emissions of Opacity $\leq 40\%$ as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

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Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Particulate Matter	Particulate Matter: For Emission Point AA-003, the permittee shall demonstrate compliance with Particulate Matter emission limitations by stack testing in accordance with EPA Test Methods 1-5, 40 CFR 60 Appendix A or other EPA approved method for stack testing PM and the procedures outlined below: a. The compliance demonstration test shall be performed within 180 DAYS AFTER initial start-up of permitted equipment. b. A written test protocol must be submitted at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the office of pollution control. If needed, the permittee may request a pretest conference to discuss the test methods and procedures. The pretest conference should be scheduled at least thirty (30) days prior to the test date. c. A notification of the scheduled test date(s) should be submitted ten (10) days prior to the scheduled date(s) so that an observer may be afforded the opportunity to witness the test(s) d. Testing must be performed at the maximum capacity of the system. If equipment cannot reach maximum capacity, testing shall be performed at a rate indicative of normal operations. e. The test must consist of three test runs of at least one(1) hour each. f. The performance test results must be submitted to the Office of Pollution Control (OPC) within 60 days following completion of the compliance demonstration test. g. Testing shall be performed once every five years. h. The compliance deonstration test shall determine the pressure drop across the baghouse. The resulting pressure drop, once approved by the Department, shall be incorporated as a limiting operating condition for Emission Point AA-003 into the facility's operating permit. [APC-S-2 II.B(10)]

Record-Keeping Requirements:

Particulate Matter:

Condition No.	Condition
R-1	Particulate Matter: For Emission Point AA-003, the permittee shall record the pressure drop across the baghouse on a daily basis. The permittee shall maintain a copy of these records on site for at least 5 years and shall make them available upon request by MDEQ personnel. [APC-S-2 II.B(10)]

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CONT0000000001 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-2	For Emission Point AA-003, the permittee shall record hours of operation of the system on a daily basis. The permittee shall maintain a copy of these records on site for at least 5 years and shall make them available upon request by MDEQ personnel. [APC-S-2 II..B.(10.)]

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-003, the permittee shall keep the pollution control equipment in service at all times while the related production equipment is in operation. [APC-S-2 II..B.(10.)]
T-2	For Emission Point AA-003, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II..B.(10.)]

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CONT0000000002 (AA-004) Cooler System Cyclone:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: For Emission Point AA-004, the permittee shall not cause, permit or allow the emission of particulate matter (PM) to exceed the relationship of: $E = 4.1(P)^{0.67}$ Where E= allowable emission rate (lb/hr), and P= process input weight rate, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A. [APC-S-1 3.6(a)]
L-2	Opacity	For Emission Point AA-004, the permittee shall have emissions of Opacity $\leq 40\%$ as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

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CONT0000000002 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	Particulate Matter	Particulate Matter: For Emission Point AA-004, the permittee shall demonstrate compliance with Particulate Matter emission limitations by stack testing in accordance with EPA Test Methods 1-5, 40 CFR 60, Appendix A or other EPA approved methods for stack testing PM and the procedures outlined below: a. The initial compliance demonstration test shall be performed within 180 DAYS AFTER initial start-up of permitted equipment. b. A written test protocol must be submitted at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the office of pollution control. If needed, the permittee may request a pretest conference to discuss the test methods and procedures. The pretest conference should be scheduled at least thirty (30) days prior to the test date. c. A notification of the scheduled test date(s) should be submitted ten (10) days prior to the scheduled date(s) so that an observer may be afforded the opportunity to witness the test(s) d. Testing must be performed at the maximum capacity of the system. If equipment cannot reach maximum capacity, testing shall be performed at a rate indicative of normal operations. e. The test must consist of three test runs of at least one(1) hour each. f. The test results must be submitted to the Office of Pollution Control (OPC) within 60 days following completion of the compliance demonstration test. g. The compliance demonstration test shall determine the pressure drop across the multiclone. The resulting pressure drop, once approved by the Department, shall be incorporated as limiting operating conditions for the cooling cyclone in the facility's operating permit. [APC-S-2 II.B(10)]
M-2		For Emission Point AA-004, the permittee shall conduct monthly inspections for visible emissions. If visible emissions are observed from an emission point (one-minute interval), the permittee shall conduct an observation in accordance with EPA Reference Method 9. The permittee shall maintain records of monthly visible emissions inspections and any VEE's that are performed in log book form. A summary report shall be submitted by July 31 and January 31 for the preceeding six-month period. [APC-S-2 II..B.(10.)]

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Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-004, the permittee shall keep the pollution control equipment in service at all times while the related production equipment is in operation. [APC-S-2 II..B.(10.)]
T-2	For Emission Point AA-004, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

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EQPT0000000001 (AA-001) 30 MMBTU/hr Wood fired Dryer(No. 1) with a multiclone:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-001, the permittee shall have emissions of Opacity $\leq 40\%$, as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	Emission Point AA-001, includes a 30.0 MMBTU/hr burner for a rotary dryer and multiclone. [APC-S-2 II.B.(10.)]
T-2	For Emission Point AA-001, the permittee shall keep the multiclone in service at all times while the related production equipment is in operation. [APC-S-2 II.B(10)]
T-3	For Emission Point AA-001, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

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EQPT0000000002 (AA-002) 45 MMBTU/hr Wood fired Dryer(No. 2) with a cyclone:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-002, the permittee shall have emissions of Opacity $\leq 40\%$, as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	Emission Point AA-002, includes a 45.0 MMBTU/hr burner for a rotary dryer and cyclone. [APC-S-2 II.B.(10.)]
T-2	For Emission Point AA-002, the permittee shall keep the multicclone in service at all times while the related production equipment is in operation. [APC-S-2 II.B.(10.)]
T-3	For Emission Point AA-002, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain operation of the pollution control equipment. [APC-S-2 II.B(10)]

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EQPT0000000008 (AA-014) Pellet Cooler 2 w/ Hi-Efficiency Cyclone:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-016, the permittee shall have emissions of Opacity $\leq 40\%$ as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-016, the permittee shall keep the High Efficiency Cyclone in service at all times while the related production equipment is in operation. [APC-S-2 II.B(10)]
T-2	For Emission Point AA-016, the permittee shall perform regular inspection and any required maintenance each week or more often if necessary to maintain proper operation of pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-1 II.B(10)]

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EQPT0000000009 (AA-015) Dustless Loadout Spout:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-015, Dust Loading Spout, the permittee shall have emissions of Opacity $\leq$ 40 % as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-015, the permittee shall operate the pollution control equipment at all times while the facility is in operation. [APC-S-2 II.B(10)]
T-2	For Emission Point AA-015, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

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EQPT0000000011 (AA-016) Green Metering Bin w/ Hi-Efficiency Cyclone:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-019, the permittee shall have emissions of Opacity $\leq 40\%$ as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-019, the permittee shall keep the High Efficiency Cyclone in service at all times while the related production equipment is in operation. [APC-S-2 II.B(10)]
T-2	For Emission Point AA-019, the permittee shall perform regular inspection and any required maintenance each week or more often if necessary to maintain proper operation of pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-1 II.B(10)]

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EQPT0000000012 (AA-018) Dryer Fuel Bin w/ Hi-Efficiency Cyclone:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-021, the permittee shall have emissions of Opacity $\leq 40\%$ as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-021, the permittee shall keep the High Efficiency Cyclone in service at all times while the related production equipment is in operation. [APC-S-2 II.B(10)]
T-2	For Emission Point AA-021, the permittee shall perform regular inspection and any required maintenance each week or more often if necessary to maintain proper operation of pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

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EQPT0000000013 (AA-017) Dry Storage Silo w/ Bin Vent Filter:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-020, the permittee shall have emissions of Opacity $\leq 40\%$ as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-020, the permittee shall keep the Bin Vent Filter in service at all times while the related production equipment is in operation. [APC-S-2 II.B(10)]
T-2	For Emission Point AA-020, the permittee shall perform regular inspection and any required maintenance each week or more often if necessary to maintain proper operation of pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

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EQPT0000000014 (AA-019) Pellet Loadout Silo w/ Bin Vent Filter:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Point AA-022, the permittee shall have emissions of Opacity $\leq 40\%$ as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Point AA-022, the permittee shall keep the Bin Vent Filter in service at all times while the related production equipment is in operation. [APC-S-2 II.B(10)]
T-2	For Emission Point AA-022, the permittee shall perform regular inspection and any required maintenance each week or more often if necessary to maintain proper operation of pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

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GRPT0000000001 (AA-100) AA-001 and AA-002:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: For Emission Points AA-001 and AA-002, the multiclone and cyclone shall operate within the pressure drop ranges described in the stack test report described in Condition M-1 below. [APC-S-2 II.B.(10.)]
L-2	Particulate Matter	Particulate Matter: For Emission Points AA-001 and AA-002, the permittee shall not cause, permit or allow the emission of particulate matter (PM) for each dryer to exceed the relationship of: $E = 4.1(P)^{0.67}$ Where E= allowable emission rate (lb/hr), and P= process input weight rate, as determined by EPA Test Methods 1-5, 40 CFR 60, Appendix A. [APC-S-1 3.6(a)]
L-3	Production	Production: For Emission Points AA-001 and AA-002, the permittee shall limit the total (AA-001 and AA-002 combined) dryer production to a maximum of 185,550 oven-dry (0% moisture) tons per year on a rolling twelve month basis. [APC-S-2 II.B(10)]

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GRPT0000000001 (continued):

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		For Emission Points AA-001 and AA-002, the permittee shall demonstrate compliance with Particulate Matter emission limitations in accordance with EPA Test Methods 1-5 or other EPA approved test methods for stack testing PM, 40 CFR 60, Appendix A, and the procedures outlined below: a. The initial compliance demonstration test shall be performed within 180 DAYS AFTER initial start-up of permitted equipment. b. A written test protocol must be submitted at least thirty (30) days prior to the intended test date(s) to ensure that all test methods and procedures are acceptable to the office of pollution control. If needed, the permittee may request a pretest conference to discuss the test methods and procedures. The pretest conference should be scheduled at least thirty (30) days prior to the test date. c. A notification of the scheduled test date(s) should be submitted ten (10) days prior to the scheduled date(s) so that an observer may be afforded the opportunity to witness the test(s) d. Testing must be performed at the maximum capacity of the system. If equipment cannot reach maximum capacity, testing shall be performed at a rate indicative of normal operations. e. The test must consist of three test runs of at least one(1) hour each. f. The test results must be submitted to the Office of Pollution Control (OPC) within 60 days following compliance demonstration test. g. Testing shall be performed once every five years. h. The compliance demonstration test shall determine the pressure drop across the multiclone. The resulting pressure drop once approved by the Department shall be incorporated as a limiting operating condition for the multiclone in the facility's operating permit. [APC-S-2 II.B(10)]
M-2		For Emission Points AA-001 and AA-002 (the multiclones), the permittee shall conduct monthly inspections for visible emissions. If visible emissions are observed from an emission point (one-minute interval), the permittee shall conduct an observation in accordance with EPA Reference Method 9. The permittee shall maintain records of monthly visible emissions inspections and any VEE's that are performed in log book form. A summary report shall be submitted by July 31 and January 31 for the preceding six-month period. [APC-S-2 II..B.(10.)]

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GRPT0000000001 (continued):

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall record the pressure drop across the multicclone on a daily basis. The permittee shall maintain a copy of these records on site for at least 5 years and shall make them available upon request by MDEQ personnel. [APC-S-2 II.B(10)]
R-2	The permittee shall record the hours of operation of each dryer on a daily basis. The permittee shall maintain a copy of these records on site for at least 5 years and shall make them available upon request by MDEQ personnel. [APC-S-2 II.B(10)]
R-3	For Emission Points AA-001 and AA-002, the permittee shall document the total (AA-001 and AA-002 combined) monthly dryer production output (in tons per month). The permittee shall also document the total (AA-001 and AA-002 combined) yearly dryer production (in tons per year) using a rolling 12 month calculation. Such records must be submitted to MDEQ on an annual basis. The report shall be postmarked no later than 30 days following the annual reporting period ending December 31. The permittee shall also maintain a copy of these records and reports on site for at least 5 years and shall make them available upon request by MDEQ personnel. [APC-S-2 II.B(10)]

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Points AA-001 and AA-002, the permittee shall keep the pollution control equipment in service at all times while the related production equipment is in operation. [APC-S-2 II..B.(10.)]
T-2	For Emission Points AA-001 and AA-002, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

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GRPT0000000002 (AA-200) AA-008 through AA-011:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Points AA-008 through AA-011, Pellet Mill Surge Bins with Bin Vent Filters, the permittee shall have emissions of Opacity <= 40 % as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Points AA-008 through AA-011, the permittee shall keep the pollution control equipment (Bin Vent Filters) in service at all times while the related production equipment is in operation. [APC-S-2 II.B(10)]
T-2	For Emission Points AA-008 through AA-011, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

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GRPT0000000003 (AA-300) AA-014 and AA-015:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Points AA-014 and AA-015, Aspiration Systems, the permittee shall have emissions of Opacity $\leq 40\%$ as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec.

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GRPT0000000005 (AA-400) AA-006 and AA-007:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Opacity	For Emission Points AA-006 and AA-007, the permittee shall have emissions of Opacity ≤ 40 % as determined by EPA Method 9 40 CFR 60, Appendix A. [APC-S-1 3.1] This requirement is applicable during the following months: Jan-Dec. Statistical basis: Constant.

Narrative Requirements:

Condition No.	Condition
T-1	For Emission Points AA-006 and AA-007, the permittee shall keep the pollution control equipment in service at all times while the related production equipment is in operation. [APC-S-2 II.B(10)]
T-2	For Emission Points AA-006 and AA-007, the permittee shall perform regular inspections and any required maintenance each week or more often if necessary to maintain proper operation of the pollution control equipment. The permittee shall also maintain on hand at all times sufficient equipment as is necessary to repair and/or replace the pollution control equipment. [APC-S-2 II.B(10)]

GENERAL INFORMATION

Enviva Pellets Wiggins LLC
81 Old Highway 49
Wiggins, MS
Stone County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
37405	Enviva Pellets Wiggins, LLC	Official Site Name	12/22/2010	
MSR105080	Tomorrow's Energy, LLC, dba Piney Woods Pellets	GP-Construction	9/16/2008	5/31/2010
WQC2008092	Tomorrows Energy LLC, dba Piney Woods Pellets	WQC Number	2/5/2009	
SAM20081122SMZ	Tomorrows Energy LLC, dba Piney Woods Pellets	COE Public Notice/ Permit Number	12/22/2008	1/12/2009
254000025	Tomorrows Energy LLC, dba Piney Woods Pellets	Air-Construction	1/27/2009	
254000025	Tomorrows Energy LLC, dba Piney Woods Pellets	Air-Synthetic Minor Operating	1/27/2009	12/31/2013
MSR001879	Tomorrows Energy LLC, dba Piney Woods Pellets	GP-Baseline	5/12/2009	9/30/2010
2813100025	Tomorrows Energy LLC, dba Piney Woods Pellets	Air-AIRS AFS	1/27/2009	
37405	Tomorrow's Energy, LLC, dba Piney Woods Pellets	Historic Site Name	4/29/2008	10/15/2010
37405	Tomorrow's Energy, LLC	Historic Site Name	10/15/2010	12/22/2010

Basin: Pascagoula River Basin

Section: 7 **Township** 3S

Range: 11W

Latitude: 30° 47' 43" 70 tenths **Longitude:** 89° 7' 40" 50 tenths

Location Description:PG - Plant Entrance (General) collected by kdubois on 01/26/0009