

State of Mississippi

AIR POLLUTION CONTROL PERMIT

To Construct Air Emissions Equipment

THIS CERTIFIES Elevance Natchez Inc 151 L E Barry Road Natchez, MS Adams 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.



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Elevance Natchez Inc Subject Item Inventory Permit Number:0040-00005 Activity ID No.: PER20120002

Subject Item Inventory:

ID	Designation	Description
AREA1	AA-001	Biodiesel Production (Facility-Wide)
AREA3	AA-002	Equipment Leak Fugitives
AREA4	AA-003	Wastewater Fugitives
AREA5	AA-004	Railcar and Truck Loading
EQPT1	AB-001	59.64 MMBtu/hr Natural Gas-Fired Boiler, Ref. B-931
EQPT2	AB-002	76.68 MMBtu/hr Natural Gas-Fired Boiler, Ref. B-932
EQPT24	AC-1000	42,566 Gallon Recovered Biodiesel Surge Process Tank, Ref. T-1000
EQPT35	AC-10000	458,000 Gallon Rainwater Storage Tank, Ref. T-10000
EQPT36	AC-10001	458,000 Gallon Rainwater Storage Tank, Ref. T-10001
EQPT37	AC-10002	1,156,680 Gallon Rainwater Storage Tank, Ref. T-10002
EQPT3	AC-114	37,700 Gallon Biodiesel/Water Decanter Process Tank, Ref. T-114
EQPT4	AC-115	37,700 Gallon Biodiesel/Water Decanter Process Tank, Ref. T-115
EQPT50	AC-116	37,700 Gallon Biodiesel/Water Decanter Process Tank, Ref. T-116
EQPT5	AC-125	21,000 Gallon Citric Acid Storage Tank, Ref. T-125
EQPT38	AC-15070	634,962 Gallon Biodiesel Storage Tank, Ref. T-15070
EQPT39	AC-18350	770,758 Gallon Soybean Oil Storage Tank, Ref. T-18350
EQPT25	AC-2003	85,160 Gallon Methanol Storage Tank, Ref. T-2003
EQPT26	AC-2004	87,041 Gallon Glycerol Storage Tank, Ref. T-2004
EQPT27	AC-2005	87,246 Gallon Glycerol/Free Fatty Acid Separation Process Tank, Ref. T-2005
EQPT28	AC-2006	87,150 Gallon Biodiesel Storage Tank, Ref. T-2006
EQPT56	AC-2008	87,342 Methanol/Water Wash Process Tank, Ref. T-2008
EQPT29	AC-2010	87,425 Gallon Soyoil Day Storage Tank, Ref. T-2010

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ID	Designation	Description
EQPT6	AC-228	37,367 Gallon Sodium Methylate Storage Tank, Ref. T-228, vented to a scrubber (T-921) via tank T-920
EQPT7	AC-307	13,800 Gallon Methanol Day Tank, Ref. T-307
EQPT8	AC-421	12,000 Gallon Glycerine Surge Process Tank, Ref. T-421, vented to a scrubber (T-921) via tank T-920
EQPT53	AC-430	15,500 Gallon Acid Gum Storage Tank, Ref. T-430
EQPT30	AC-5000	211,483 Gallon Biodiesel Storage Tank, Ref. T-5000
EQPT31	AC-5001	211,483 Gallon Biodiesel Storage Tank, Ref. T-5001
EQPT32	AC-5002	211,483 Gallon Biodiesel Storage Tank, Ref. T-5002
EQPT33	AC-5003	211,376 Gallon Soybean Oil Storage Tank, Ref. T-5003
EQPT34	AC-5004	211,537 Gallon Soybean Oil Storage Tank, Ref. T-5004
EQPT9	AC-501	21,168 Gallon Free Fatty Acids Storage Tank, Ref. T-501
EQPT61	AC-511	21,000 Gallon Sodium Sulfate Tank
EQPT10	AC-514	63,588 Gallon Biodiesel Storage Tank, Ref. T-514
EQPT11	AC-520	9,700 Gallon Spent Wash Water Surge Process Tank, Ref. T-520
EQPT54	AC-522	19,500 Methanol/Water Storage Tank, Ref. T-522
EQPT12	AC-600	21,000 Gallon 1st Stage Methanol/Water Wash Process Tank, Ref. T-600
EQPT13	AC-610	21,000 Gallon 2nd Stage Methanol/Water Wash Process Tank, Ref. T-610
EQPT57	AC-6310	1,900 Gallon Acidulated Soy Oil Receiver Process Tank, Ref. T-6310
EQPT15	AC-704	21,138 Gallon Methanol/Water Storage Tank, Ref. T-704
EQPT16	AC-706	20,826 Gallon Methanol/Water Storage Tank, Ref. T-706
EQPT17	AC-750	22,500 Gallon Methanol/Water Feed Storage Tank, Ref. T-750
EQPT19	AC-916	18,500 Gallon API Wastewater (Skimmed Oil) Storage Tank, Ref. T-916
EQPT20	AC-917	19,000 Gallon API Wastewater (Skimmed Oil) Storage Tank, Ref. T-917
EQPT22	AC-920	10,664 Gallon Methanol/Water Process Tank, Ref. T-920, collecting emissions from the Recovered Methanol Drum (D-303B), Tanks T-421 and T-228, Drum D-702, and Exchanger E-474 prior to venting through the water scrubber, T-921

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ID	Designation	Description
EQPT60	AC-995	127,000 Gallon Plant Water Tank
EQPT52	AD-001	Cooling Tower
EQPT59	AD-474	2nd Stage Glycerine/Methanol Receiver Condenser, Ref. E-474
EQPT58	AD-702	4,510 Gallon Condensation Drum, Ref. D-702, vented to a scrubber (T-921) via tank T-920
EQPT40	AD-752	Knock-out Condenser Drum, Ref. D-752, for the methanol/water distillation column (C-751)
CONT2	AD-921	Water Scrubber, Ref. T-921, controlling emissions from T-920 which serves as a condensation tank for methanol-laden gases from the Recovered Methanol Drum (D-303B), Tanks T-421 and T-228, Drum D-702, and Exchanger E-474
AI262	262	Biodiesel Production

Subject Item Groups:

ID	Description	Components
GRPT3	Boiler Standards/Requirements	EQPT1 59.64 MMBtu/hr Natural Gas-Fired Boiler, Ref. B-931
		EQPT2 76.68 MMBtu/hr Natural Gas-Fired Boiler, Ref. B-932

Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 262 Biodiesel Production	Discharges Into	Mississippi River

<u>KEY</u>	
ACT = Activity	AI = Agency Interest
AREA = Area	CAFO = Concentrated Animal Feeding Operation
CONT = Control Device	EQPT = Equipment
IA = Insignificant Activity	MAFO = Animal Feeding Operation
RPNT = Release Point	TRMT = Treatment

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<u>KEY</u> TRMT = Treatment

Elevance Natchez Inc Facility Requirements Permit Number:0040-00005 Activity ID No.: PER20120002

AREA000000003 (AA-002) Equipment Leak Fugitives:

Limitation Requirements:

Condition	Demonster		
No.	Parameter	Condition	
L-1		For all equipment subject to NSPS Subpart VVa, the permittee shall demonstrate compliance with the requirements of 60.482-1a through 60.482-10a within 180 days of initial startup. The date of initial startup shall be that date following permit issuance when the facility begins producing biodiesel continuously. [40 CFR 60.482-1a]	
Record-	Keeping Requirements	:	
Condition	a . 111		
No.	Condition		
R-1	For all equipment subject to NSPS Subpart VVa, the permittee shall comply with the recordkeeping requirements of §60.486a. [40 CFR 60.486a]		
Submitta	al/Action Requirements		
Condition			
No.	Condition		
S-1	For all equipment subject to NSPS Subpart VVa, the permittee shall comply with the reporting requirements of §60.487a. [40 CFR 60.487a]		
Narrativ	e Requirements:		
Condition			
No.	Condition		
T-1	Manufacturing Industry (SO	nd shall comply with the New Source Performance Standards for Equipment Leaks of VOC in the Synthetic Organic Chemicals (CMI) for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (40 CFR Part 60, Subpart VVa) Provisions (40 CFR Part 60, Subpart A). [40 CFR 60.480a]	

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AREA000000003 (continued):

Narrative Requirements:

Condition No.	Condition
T-2	Equipment that is designated as being in VOC service less than 300 hr/yr is excluded from the requirements of §§60.482-2a through 60.482-11a if it is identified as required in §60.486a(e)(6) and it meets any of the conditions specified in paragraphs (e)(1) through (3) of §60.482-1a. [40 CFR 60.482-1a(e)]

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GRPT000000003 (Boilers) Boiler Standards/Requirements:

Limitation Requirements:

Conditio No.	n Parameter	Condition
L-1		The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.2]
L-2		The maximum permissible emission of ash and/or particulate matter from each fossil fuel burning installation equal to or greater than 10 MMBTU/hr heat input shall not exceed an emission rate as determined by the relationship: E=0.8808*I^-0.1667; where E is the emission rate in lb/MMBTU per hour heat input and I is the heat input in MMBTU/hr. [APC-S-1 3.4(a)2]
L-3		The maximum discharge of sulfur oxides from each fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [APC-S-1 4.1(a)]
L-4		For Emission Points AB-001 and AB-002, the permittee shall only burn natural gas. [APC-S-2 B.10]

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AI000000262 (262) Biodiesel Production:

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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AI000000262 (continued):

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. Persistant 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]			
Т-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			

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)]

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AI000000262 (continued):

Narrative Requirements:

Condition No.	Condition
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)]
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)]

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AI000000262 (continued):

Narrative Requirements:

Condition No.	Condition
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)]
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)]

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AI000000262 (continued):

Narrative Requirements:

Condition No.	Condition
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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GENERAL INFORMATION

Elevance Natchez Inc 151 L E Barry Road Natchez, MS Adams County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
262	Elevance Natchez, Inc.	Official Site Name	7/26/2012	
2800100005	Elevance Natchez, Inc.	Air-AIRS AFS	10/12/2000	
MSD050999127	Ethyl Petroleum Additives, Inc.	Hazardous Waste-EPA ID	1/20/1999	1/10/2005
004000005	Ethyl Petroleum Additives, Inc.	Air-State Operating	1/11/1994	1/1/1999
004000005	Ethyl Petroleum Additives, Inc.	Air-Title V Operating	12/6/1999	7/19/2004
004000005	Ethyl Petroleum Additives, Inc.	Air-Construction	11/12/1996	7/15/2011
MSR110032	Ethyl Petroleum Additives, Inc.	GP-Sara Title III	10/27/1993	10/30/2000
MS0024376	Ethyl Petroleum Additives, Inc.	Water - NPDES	9/27/1988	9/26/1998
MSP090264	Ethyl Petroleum Additives, Inc.	Water - Pretreatment	8/28/1989	2/27/1994
MSP090264	Ethyl Petroleum Additives, Inc.	Water - Pretreatment	1/24/1995	1/23/2000
MS0024376	Ethyl Petroleum Additives, Inc.	Water - NPDES	6/3/1999	4/30/2004
MSP090264	Ethyl Petroleum Additives, Inc.	Water - Pretreatment	8/5/1999	7/31/2004
MSR110032	Ethyl Petroleum Additives, Inc.	GP-Baseline	10/30/2000	7/19/2004
262	Ethyl Petroleum Additives, Inc.	Historic Site Name	9/27/1988	7/7/2004
004000005	Afton Chemical Corporation	Air-Title V Operating	7/19/2004	12/1/2004
MSR110032	Afton Chemical Corporation	GP-Baseline	7/19/2004	2/22/2006
MSD050999127	Afton Chemical Corporation	Hazardous Waste-EPA ID	1/10/2005	8/3/2006
MSR110032	Afton Chemical Corporation	GP-Baseline	2/22/2006	7/7/2006
262	Afton Chemical Corporation	Historic Site Name	7/7/2004	6/19/2006
MSR110032	Delta Agri-Fuels LLC	GP-Baseline	7/7/2006	12/14/2006
MSD050999127	Delta Agri Fuels LLC	Hazardous Waste-EPA ID	8/3/2006	2/15/2008
262	Delta Agri-Fuels, LLC	Historic Site Name	6/19/2006	12/4/2006
MSR110032	Delta Biofuels, Inc.	GP-Baseline	12/14/2006	1/13/2011

GENERAL INFORMATION

ID	Alternate/Historic Name	User Group	Start Date	End Date
004000005	Delta Biofuels Inc	Air-Construction	3/8/2007	
004000005	Delta Biofuels Inc	Air-Synthetic Minor Operating	3/8/2007	7/15/2011
MSP092137	Delta Biofuels Inc	Water - Pretreatment	3/8/2007	7/15/2011
MSD050999127	Delta Biofuels Inc	Hazardous Waste-EPA ID	2/15/2008	5/24/2012
MSR110032	Delta Biofuels, Inc.	GP-Baseline	1/13/2011	7/15/2011
262	Delta Biofuels, Inc.	Historic Site Name	12/4/2006	6/2/2011
004000005	Elevance Renewable Sciences Inc	Air-Synthetic Minor Operating	7/15/2011	2/28/2012
004000005	Elevance Renewable Sciences Inc	Air-Construction	7/15/2011	
MSP092137	Elevance Renewable Sciences Inc	Water - Pretreatment	7/15/2011	2/28/2012
MSR110032	Elevance Renewable Sciences Inc	GP-Baseline	7/15/2011	9/28/2015
MSD050999127	Elevance Natchez Inc	Hazardous Waste-EPA ID	5/24/2012	
262	Elevance Renewable Sciences, Inc.	Historic Site Name	6/2/2011	7/26/2012
004000005	Elevance Natchez Inc	Air-Construction	7/31/2012	
MSR110032	Elevance Natchez, Inc.	GP-Baseline	7/30/2012	9/28/2015
262	Elevance Renewable Sciences	Air-Notification	10/3/2012	

Basin: South Independent Streams Basin

Location Description: PG- Plant Entrance (General). Data collected by Greg Miller on 11/01/2005. Elevation 118 feet.