



## State of Mississippi

### AIR POLLUTION CONTROL PERMIT



#### Permit To Construct Air Emissions Equipment

#### **THIS CERTIFIES**

Olin Corporation  
411 County Road 101  
Oxford, MS  
Lafayette 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**

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**Mississippi Department of Environmental Quality**

Issued/Modified: FEB 28 2011

Expires:

Permit No. 1420-00029

Agency Interest # 19479

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

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## Permit To Construct Air Emissions Equipment

Olin Corporation  
Subject Item Inventory  
Permit Number:1420-00029  
Activity ID No.: PER20110001

### Subject Item Inventory:

ID	Designation	Description
AI19479	AA-000	Manufacturer of small arms ammunition.
AREA1	AB-000b	Ammunition Operations
AREA2	AC-000b	Surface Coating Operations
AREA3	AD-000b	Miscellaneous Operations (Including, but not limited to extrusion press tumblers; bullet swagers; bullet tumblers; cleaning solvents; depriming operations.)
AREA4	AE-000b	Combustion Sources

### 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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### AI0000019479 (AA-000) Manufacturer of small arms ammunition.:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		For the entire facility, the permittee shall not cause, allow, or permit the discharge into the ambient air from any point source or emissions, any air contaminant of such opacity to obscure an observer's view to a degree in excess of 40%, as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [APC-S-1 , 3.2]
L-2		For the entire facility, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [APC-S-1 , 3.4(a)(1)]
L-3		For the entire facility, the maximum permissible emission of ash and/or particulate matter from fossil fuel burning installations equal to or greater than 10 million BTU per hour heat input shall not exceed an emission rate as determined by the relationship $E = (0.8808) * (I \text{ to the power of } -0.1667)$ , where E is the emission rate in pounds per million BTU per hour heat input and I is the heat input in millions of BTU per hour. [APC-S-1 , 3.4(a)(2)]
L-4		For the entire facility, the maximum discharge of sulfur oxides from any 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-5		For the entire facility, the permittee shall limit volatile organic compound (VOC) emissions to no more than 99.0 tons per year as determined for each consecutive 12-month period. [APC-S-2 , II.B.10]
L-6		For the entire facility, the permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.9 tons per year of any single HAP and no more than 24.9 tons per year of total combined HAP as determined for each consecutive 12-month period. [APC-S-2 , II.B.10]
L-7		For the entire facility, the permittee shall limit total particulate matter (PM) emissions to no more than 99.0 tons per year as determined for each consecutive 12-month period. [APC-S-2 , II.B.10]
L-8		For the entire facility, the permittee shall limit carbon monoxide (CO) emissions to no more than 99.0 tons per year as determined for each consecutive 12-month period. [APC-S-2 , II.B.10]
L-9		For the entire facility, the permittee shall limit nitrogen oxide (NO <sub>x</sub> ) emissions to no more than 99.0 tons per year as determined for each consecutive 12-month period. [APC-S-2 , II.B.10]

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**AI0000019479 (continued):**

### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>For the entire facility, the permittee shall determine, on a monthly basis and in any consecutive 12-month period, an emission rate consistent with determining compliance with the facility-wide limitations placed on the following parameters (as stated in Condition No.'s L-5 through L-9):</p> <ul style="list-style-type: none"><li>(a) volatile organic compounds (VOC);</li><li>(b) hazardous air pollutants (HAP);</li><li>(c) total particulate matter (PM);</li><li>(d) carbon monoxide (CO); and</li><li>(e) nitrogen oxides (NOx).</li></ul> <p>The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 311, 40 CFR Part 63, Appendix A, respectively. [APC-S-2 , II.B.11]</p>

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**AI0000019479 (continued):**

### Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>For the entire facility, the permittee shall maintain sufficient records to document, on a monthly basis and in any consecutive 12-month period, an emission rate consistent with determining compliance with each of the facility-wide emission limitations placed on the following parameters (as stated in Condition No.'s L-5 through L-9):</p> <ul style="list-style-type: none"><li>(a) volatile organic compounds (VOC);</li><li>(b) individual and combined hazardous air pollutants (HAP);</li><li>(c) total particulate matter (PM);</li><li>(d) carbon monoxide (CO); and</li><li>(e) nitrogen oxides (NO<sub>x</sub>). [APC-S-2 , II.B.10]</li></ul>
R-2	<p>For the entire facility, the permittee shall maintain copies of all records and reports on site for at least five (5) years and shall make them available upon request by Mississippi Department of Environmental Quality (MDEQ) personnel. [APC-S-2 , II.B.10]</p>

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**AI0000019479 (continued):**

### Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide an emission rate, in tons per month and in any consecutive 12-month period, consistent with determining compliance with each of the facility-wide emission limitations placed on the following parameters:</p> <ul style="list-style-type: none"><li>(a) volatile organic compounds (VOC);</li><li>(b) individual and combined hazardous air pollutants (HAP);</li><li>(c) total particulate matter (PM);</li><li>(d) carbon monoxide (CO); and</li><li>(e) nitrogen oxides (NOx). [APC-S-2 , II.B.11]</li></ul>
S-2	<p>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]</p>
S-3	<p>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)]</p>
S-4	<p>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)]</p>

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### AI0000019479 (continued):

#### 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]
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]



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**AI0000019479 (continued):**

### Narrative Requirements:

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)]
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]

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**AI0000019479 (continued):**

### Narrative Requirements:

Condition No.	Condition
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)]
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)]

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**AI0000019479 (continued):**

### Narrative Requirements:

Condition No.	Condition
T-24	<p>General Condition: Regarding compliance testing:</p> <p>(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.</p> <p>(b) Compliance testing will be performed at the expense of the permittee.</p> <p>(c) Each emission sampling and analysis report shall include but not be limited to the following:</p> <ol style="list-style-type: none"><li>1. detailed description of testing procedures;</li><li>2. sample calculation(s);</li><li>3. results; and</li><li>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)]</li></ol>
T-25	<p>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)]</p>

## GENERAL INFORMATION

Olin Corporation  
411 County Road 101  
Oxford, MS  
Lafayette County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
19479	Olin Corporation	Official Site Name	8/17/2004	
MSR103297	H+M Construction Company, Inc, Olin Corporation	GP-Construction	10/6/2004	3/27/2005
MSR001690	Olin Corporation	GP-Baseline	1/12/2005	1/8/2006
MSP092068	Olin Corporation	Water - Pretreatment	1/18/2005	11/20/2009
MSD053796736	Olin Corporation	Hazardous Waste-EPA ID	4/13/2005	
19479	Olin Corporation	No Exposure Certification	1/9/2006	10/14/2008
19479	Olin Corporation	No Exposure Certification	10/15/2008	10/14/2013
19479	Olin Corporation	Air-Notification	9/10/2009	
MSP092068	Olin Corporation	Water - Pretreatment	11/20/2009	10/31/2014
MSR105876	H&M Construction Company, Inc, Olin Corporation	GP-Construction	12/29/2010	
2807100028	Olin Corporation	Air-AIRS AFS	8/17/2004	
142000029	Olin Corporation	Air-Construction	2/28/2011	

**Basin:** Yazoo River Basin

**Latitude:** 34° 24' 21" 70 tenths

**Longitude:** 89° 31' 13" 80 tenths

**Location Description:**PG- Plant Entrance (General). Data collected by Brad Justice.

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