

<p>Mail Application To: New Mexico Environment Department Air Quality Bureau New Source Review Unit 1301 Siler Road, Building B Santa Fe, NM 87507-3113-3113</p> <p>Phone (505) 476-4300 http://www.nmenv.state.nm.us</p>		<p>Application No. _____</p> <p>AIRS No. _____ - _____ - _____</p> <p style="text-align: right;"><i>For NMED use only</i></p>
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Air Quality Permit Application Supplement for Cotton Gins to Construct or Modify Under 20.2.66 NMAC – *Cotton Gins*

Cotton ginners that are subject to air quality construction permit requirements under 20.2.72 NMAC - *Construction Permits* ("Part 2.72") have two options for filling out their permit applications. They may choose to use the regular permit application procedures, which require an air quality dispersion modeling demonstration that the gin will meet ambient air quality standards. Alternatively, the ginner may invoke 20.2.66 NMAC – *Cotton Gins* ("Part 2.66") and attach this supplemental form to their application in lieu of dispersion modeling. Please note, however, that by invoking Part 2.66 – *Cotton Gins* the ginner becomes subject to all of the requirements of the regulation. Copies of the regulation, as well as the application form for Part 2.72, may be obtained from the Air Quality Bureau at the above address and phone number, and are available at the above web site.

Cotton Ginners that wish to apply for a construction permit or modification under Part 2.72 – *Construction Permits* using the procedures provided under Part 2.66 - *Cotton Gins* must:

1. Fill in the information in Part I of this supplemental form, below.
2. Answer the questions in Part II below (note that if any of the questions are answered 'no' then the cotton gin facility will not qualify to use Part 2.66).
3. Attach:
 - Descriptions of the measures to be taken to control fugitive dust (see descriptions under questions 7 and 8 below), and
 - The distance calculations for question 15 below.
4. Include this supplemental form and attachments with the permit application that is required under Part 2.72 – *Construction Permits* (note that the air quality dispersion modeling demonstration listed in that application form is not required).

Part I: Company and Gin Information

1	Company name:	Date application notarized:
2	Facility name:	SIC code (4 digits): 0724
3	Company mailing address:	
4	Facility Location:	
5	Contact person:	Title:
6	Phone No:	Fax No:
		E-mail:
7	The smallest distance between the stacks/vent and the nearest property boundary: <i>Note: Calculations are described in question 15 below and must be attached.</i>	
8	The smallest distance between the gin building and the nearest property boundary:	

Part II: Applicability of Part 2.66 – Cotton Gins

1.	By using this application supplement for cotton gins I am invoking the regulation Part 2.66 - <i>Cotton Gins</i> , and understand that by doing so this cotton ginning facility becomes subject to that regulation.	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	The facility will emit no more than fifty (50) tons per year of any regulated air contaminant for which there is a national ambient air quality standard. <i>Note: Process rates must be included under Tables I-B (line 13) and VI-D of the Part 2.72 application, and emissions calculations must be included under Part IV of that application. Emissions of TSP may be greater than 50 TPY.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	Emission from all high pressure exhausts will be controlled by equipment of equivalent or higher control efficiency as high efficiency cyclone dust collectors (as defined in Part 2.66). <i>Note: Emissions control equipment must be listed in Table III-C of the Part 2.66 application.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Emission from all low pressure exhausts will be controlled by equipment of equivalent or higher control efficiency as screens with a mesh size of 70 by 70 or condenser drums with holes not exceeding 0.045 inches in diameter. <i>Note: Emissions control equipment must be listed in Table III-C of the Part 2.66 application.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	The opacity of emissions from high pressure exhausts, low pressure exhausts, and fuel burning equipment such as driers and humidifiers (but not mobile sources such as loaders, haul trucks, and other vehicles) will not exceed 20%.	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	All burr hoppers will be enclosed. <i>Note: Emissions control equipment must be listed in Table III-C of the Part 2.66 application.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	Measures will be taken to control fugitive dust emissions from any source, process or operation occurring within the cotton gin building to assure that no fugitive dust emissions to the outside atmosphere from any door, vent, or window are visible. <i>Note: A description of these measures must be attached.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No

8.	Measures will be taken to minimize fugitive emissions from the handling, transportation or disposition of any substance or material that is likely to be scattered by the air or wind at the facility, including but not limited to materials in the gin yard and haul roads, including all open areas, right-of ways, storage piles, and vehicles at the facility. Such measures will be sufficient to assure that no visible fugitive dust emissions generated from the property leave the property. <i>Note: A description of these measures must be attached. Emissions may be controlled by watering, paving and cleaning, surfactants, or other equivalent means.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.	The posted speed limit for all vehicles on unpaved haul roads and in unpaved yard areas will be 10 miles per hour or less.	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.	The facility will use only the following fuels: natural gas, liquefied petroleum gas (LPG), propane, or No. 2 diesel fuel with a sulfur content equal to or less than 0.05 percent by weight. <i>Note: Fuel information must be included in Part V of the Part 2.72 application.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
11.	All equipment will be installed, operated and maintained in such manners that permit conditions and the requirements of Part 2.66 are met.	<input type="checkbox"/> Yes <input type="checkbox"/> No
12.	The owner or operator will conduct daily visual inspection of the material handling systems for leaks, breaks or other visible signs of equipment malfunctions, and repair such leaks, breaks or malfunctions in a timely manner.	<input type="checkbox"/> Yes <input type="checkbox"/> No
13.	The owner or operator will maintain a record of the daily inspections, including any equipment malfunctions discovered and corrective action taken to repair the malfunction.	<input type="checkbox"/> Yes <input type="checkbox"/> No
14.	The distance from the cotton gin building to the property boundary will be at least ten (10) feet in all directions. <i>Note: The minimum distance between the gin building and the nearest property boundary must be included in Part I above.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
15.	The distance (in feet) in all directions from the cotton gin stacks and vents to the property boundary will be at least as large as the following: $\text{Distance} \geq 0.2385 X^2 + 54.0718 X - 816.0886$ where X = the maximum emission rate (in lb PM10/hour) from all stacks and vents combined. <i>Note: Calculations must be attached. The minimum distance between the stacks/vent and the nearest property boundary must be included in Part I above. In addition, emissions calculations must be included under Part IV of the Part 2.72 application.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
16.	The distance from the cotton gin to the nearest existing state park, recreation area, or school will be at least 0.25 miles.	<input type="checkbox"/> Yes <input type="checkbox"/> No
17.	The distance from the cotton gin to the nearest class I area will be at least three miles.	<input type="checkbox"/> Yes <input type="checkbox"/> No