

# Air Quality Permit Application Form 5.0: Facility Information

**FACILITY NAME:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**DWEE Facility ID:** \_\_\_\_\_

## Section 5.1: Grain Handling Facility Information

**IMPORTANT: READ THE INSTRUCTIONS ACCOMPANYING THIS SECTION BEFORE COMPLETING.**

Do **NOT** use pencil to fill out this application. Please type responses or print using black ink.

### General Information

- 1) Type(s) of grain handled at the facility:
- 2) **Maximum** amount of grain handled within the past five years: \_\_\_\_\_ tons/year ☐ N/A
- 3) **Maximum** anticipated amount of grain handled after permitting action: \_\_\_\_\_ tons/year
- 4) Requested grain throughput limit: \_\_\_\_\_ tons/year ☐ N/A
- 5) Note: Manufacturer's specifications are required for the grain scalper, hammermill and grain dryer in steps 11 and 12.

### Receiving and Shipping Information

6) Indicate the number of the following units that currently exist and will exist at the source:

Unit Type	Current Number	Anticipated Total	Unit Type	Current Number	Anticipated Total
Truck Dump Pit		<input type="checkbox"/> N/A	Truck Loadout Spout		<input type="checkbox"/> N/A
Rail Dump Pit		<input type="checkbox"/> N/A	Rail Loadout Spout		<input type="checkbox"/> N/A

7) For each Dump Pit and Loadout Spout complete the following:

EU ID	EU Name	Select the most appropriate description(s):
		<input type="checkbox"/> Enclosed <input type="checkbox"/> Partially Enclosed <input type="checkbox"/> Choke-flow <input type="checkbox"/> Oiler <input type="checkbox"/> Other _____
		<input type="checkbox"/> Enclosed <input type="checkbox"/> Partially Enclosed <input type="checkbox"/> Choke-flow <input type="checkbox"/> Oiler <input type="checkbox"/> Other _____
		<input type="checkbox"/> Enclosed <input type="checkbox"/> Partially Enclosed <input type="checkbox"/> Choke-flow <input type="checkbox"/> Oiler <input type="checkbox"/> Other _____
		<input type="checkbox"/> Enclosed <input type="checkbox"/> Partially Enclosed <input type="checkbox"/> Choke-flow <input type="checkbox"/> Oiler <input type="checkbox"/> Other _____
		<input type="checkbox"/> Enclosed <input type="checkbox"/> Partially Enclosed <input type="checkbox"/> Choke-flow <input type="checkbox"/> Oiler <input type="checkbox"/> Other _____

If there are more than five dump pits and loadout spouts, attach additional information so that each unit is described.

8) Indicate the % of grain that currently is and is anticipated to be **received** via the following:

Received By:	Percentage	Received By:	Percentage
Straight Truck	c:      % / a:      %	Rail	c:      % / a:      %
Hopper Bottom Truck	c:      % / a:      %	Other: _____	c:      % / a:      %

9) Indicate the % of grain that currently is and is anticipated to be **shipped** via the following:

Shipped By:	Percentage	Shipped By:	Percentage
Truck (unspecified type)	c:      % / a:      %	Other: _____	c:      % / a:      %
Rail	c:      % / a:      %	Other: _____	c:      % / a:      %

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<b>FACILITY NAME:</b> _____	<b>DATE:</b> _____
<b>DWEE Facility ID:</b> _____	

### Section 5.1: Grain Handling Facility Information (continued)

<b>10) Permanent Storage Information</b>					
Complete the following information for each permanent storage unit at the source:					
EU ID	Description	Capacity (bushel)	Height (meters)	Diameter (meters)	New Unit
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
If there are more than six permanent storage units (i.e. silos and bins), attach additional information so that each unit is described.					
If an open storage pile(s) will be/are used for grain storage, complete Section 6.11 for each storage pile.					
<b>11) Grain Scalping and Hammermilling Operations</b>					<input type="checkbox"/> N/A
Complete the following information for each scalper and hammermill at the source:					
Attach the manufacturer's specifications for each unit as part of step 17.					
EU ID	EU Name	Unit Type	Surge Bin Associated with Unit?	Size of Surge Bin (bushels)	New Unit
		<input type="checkbox"/> Scalper <input type="checkbox"/> Hammermill	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
		<input type="checkbox"/> Scalper <input type="checkbox"/> Hammermill	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
		<input type="checkbox"/> Scalper <input type="checkbox"/> Hammermill	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
		<input type="checkbox"/> Scalper <input type="checkbox"/> Hammermill	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
If there are more than four scalpers, hammermills, or associated surge bins, attach additional information so that each unit is described.					
<b>Grain Drying Operations</b>					<input type="checkbox"/> N/A
12) Indicate the number of grain dryers that currently exist and will exist at the source:      c:      / a:					
13) For each Grain Dryer complete the following:					
Attach the manufacturer's specifications for each unit as part of step 17.					
EU ID	EU Name	Drying Capacity (tons/hour)	Select the most appropriate description(s):		New Unit
			<input type="checkbox"/> Column Dryer <input type="checkbox"/> Rack Dryer	<input type="checkbox"/> Self Cleaning Screens (<50 mesh) <input type="checkbox"/> Other _____	<input type="checkbox"/>
			<input type="checkbox"/> Column Dryer <input type="checkbox"/> Rack Dryer	<input type="checkbox"/> Self Cleaning Screens (<50 mesh) <input type="checkbox"/> Other _____	<input type="checkbox"/>
			<input type="checkbox"/> Column Dryer <input type="checkbox"/> Rack Dryer	<input type="checkbox"/> Self Cleaning Screens (<50 mesh) <input type="checkbox"/> Other _____	<input type="checkbox"/>
If there are more than three grain dryers, attach additional information so that each unit is described. Be sure to complete Section 6.1 for each dryer that combusts fuel.					

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**Section 5.1: Grain Handling Facility Information (continued)**

<b>14) Grain Processing Operations</b> <input type="checkbox"/> N/A		
For the following Grain Operations, indicate the throughputs of each process:		
Process/Operation	Current Maximum Throughput (tons/year)	Anticipated Maximum Throughput (tons/year)
Grain Receiving		
Grain Cleaning		
Grain Milling		
Hammermill		
Flaker		
Grain Cracker		
Pelletizing (Pellet Cooler)		
Feed Shipping		
Other _____		
<b>15) New Source Performance Standard Applicability</b>		
This grain handling facility is subject to: <input type="checkbox"/> NSPS, Subpart DD <input type="checkbox"/> Other _____ <input type="checkbox"/> None		
If Unknown contact the Department for additional information.		
<b>16) Attach PTE Calculations for Grain Handling Operations</b> <input type="checkbox"/>		
<b>17) Attach Manufacturer Specifications for Each Grain Scalper and Hammermill Listed in #11 and Each Grain Dryer Listed in #13</b> <input type="checkbox"/>		
<b>18) Additional Information Attached?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO		

**Complete the following ONLY if completing this Section as Part of an Operating Permit Application**

<b>Actual Grain Receiving Rates</b>					
19) Provide the amount of grain received at this source for the past five years:					
Year					
Throughput (____/year)					
<b>20) Attach Actual Emission Calculations</b> <input type="checkbox"/>					
<b>21) Additional Information Attached?</b> <input type="checkbox"/> YES <input type="checkbox"/> NO					