



NOTE:
 [A] COAL STORAGE PILE INCLUDES COAL LOAD-IN FUGITIVES, COAL PILE FUGITIVES, AND COAL LOADOUT FUGITIVES.
 [B] OPEN PILE WITH WET SUPPRESSION.



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Figure 2-2 Coal Processing Flow Diagram
 Middletown, OH

REVISION: 4
 DATE: 12/12/08

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FOR OHIO EPA USE FACILITY ID: _____ EU ID: _____ PTI#: _____
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EMISSIONS ACTIVITY CATEGORY FORM MATERIAL HANDLING: FUGITIVE DUST EMISSIONS

This form is to be completed for any material handling operation with fugitive dust emissions. State/Federal regulations which may apply to material handling operations are listed in the instructions. Note that there may be other regulations which apply to this emissions unit which are not included in this list.

1. Reason this form is being submitted (Check one)

- New Permit Renewal or Modification of Air Permit Number(s) (e.g. F001) F003

2. Maximum Operating Schedule: 24 hours per day; 365 days per year

If the schedule is less than 24 hours/day or 365 days/year, what limits the schedule to less than maximum? See instructions for examples. _____

3. What is the material being handled? Coal

4. Mean wind speed at or near facility 9.9 miles per hour

5. Complete the following table for all unloading operations.

ID	Type of Unloading (see examples below)	Material Unloaded	Annual Quantity Unloaded (tons/yr)	Hourly Maximum Unloading Rate (tons/hr)	Avg. Moisture Content, as Unloaded (%)
A	Truck: <input type="checkbox"/> dump <input type="checkbox"/> pneumatic Vessel: <input type="checkbox"/> clamshell <input type="checkbox"/> bucket ladder Rail car: <input type="checkbox"/> side dump <input checked="" type="checkbox"/> bottom dump <input type="checkbox"/> rotary dump <input type="checkbox"/> pneumatic Other: _____	Coal	912,500	600	8%
B	Truck: <input type="checkbox"/> dump <input type="checkbox"/> pneumatic Vessel: <input type="checkbox"/> clamshell <input type="checkbox"/> bucket ladder Rail car: <input type="checkbox"/> side dump <input type="checkbox"/> bottom dump <input type="checkbox"/> rotary dump <input type="checkbox"/> pneumatic Other: _____				
C	Truck: <input type="checkbox"/> dump <input type="checkbox"/> pneumatic Vessel: <input type="checkbox"/> clamshell <input type="checkbox"/> bucket ladder Rail car: <input type="checkbox"/> side dump <input type="checkbox"/> bottom dump <input type="checkbox"/> rotary dump <input type="checkbox"/> pneumatic Other: _____				

D	Truck: <input type="checkbox"/> dump <input type="checkbox"/> pneumatic Vessel: <input type="checkbox"/> clamshell <input type="checkbox"/> bucket ladder Rail car: <input type="checkbox"/> side dump <input type="checkbox"/> bottom dump <input type="checkbox"/> rotary dump <input type="checkbox"/> pneumatic Other: _____				
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6. Complete the following table for all loading operations.

ID	Type of Loading (see examples below)	Material Loaded	Annual Quantity Loaded (tons/yr)	Hourly Maximum Loading Rate (tons/hr)	Avg. Moisture Content, as Loaded (%)
E	<input type="checkbox"/> front end loader <input type="checkbox"/> under pile load out <input type="checkbox"/> bucket well reclaimer <input type="checkbox"/> rake reclaimer <input type="checkbox"/> other: _____				
F	<input type="checkbox"/> front end loader <input type="checkbox"/> under pile load out <input type="checkbox"/> bucket well reclaimer <input type="checkbox"/> rake reclaimer <input type="checkbox"/> other: _____				
G	<input type="checkbox"/> front end loader <input type="checkbox"/> under pile load out <input type="checkbox"/> bucket well reclaimer <input type="checkbox"/> rake reclaimer <input type="checkbox"/> other: _____				
H	<input type="checkbox"/> front end loader <input type="checkbox"/> under pile load out <input type="checkbox"/> bucket well reclaimer <input type="checkbox"/> rake reclaimer <input type="checkbox"/> other: _____				

7. Complete the following table for all transfer operations.

ID	Type of Transfer Point (see examples below)	Number of Such Points	Type of Material Handled	Max. Transfer Rate (tons/hr)
I	<input type="checkbox"/> Load/unload conveyor: <input type="checkbox"/> vibrating <input type="checkbox"/> belt <input type="checkbox"/> screw <input type="checkbox"/> bucket elevator <input checked="" type="checkbox"/> belt conveyor to belt conveyor Other: _____	9	Coal	600
J	<input type="checkbox"/> Load/unload conveyor: <input type="checkbox"/> vibrating <input type="checkbox"/> belt <input type="checkbox"/> screw <input type="checkbox"/> bucket elevator <input checked="" type="checkbox"/> belt conveyor to belt conveyor Other: _____	6	Coal	600
K	<input type="checkbox"/> Load/unload conveyor: <input type="checkbox"/> vibrating <input type="checkbox"/> belt <input type="checkbox"/> screw <input type="checkbox"/> bucket elevator <input type="checkbox"/> belt conveyor to belt conveyor Other: _____			
L	<input type="checkbox"/> Load/unload conveyor: <input type="checkbox"/> vibrating <input type="checkbox"/> belt <input type="checkbox"/> screw <input type="checkbox"/> bucket elevator <input type="checkbox"/> belt conveyor to belt conveyor Other: _____			
M	<input type="checkbox"/> Load/unload conveyor: <input type="checkbox"/> vibrating <input type="checkbox"/> belt <input type="checkbox"/> screw <input type="checkbox"/> bucket elevator <input type="checkbox"/> belt conveyor to belt conveyor Other: _____			
N	<input type="checkbox"/> Load/unload conveyor: <input type="checkbox"/> vibrating <input type="checkbox"/> belt <input type="checkbox"/> screw <input type="checkbox"/> bucket elevator <input type="checkbox"/> belt conveyor to belt conveyor Other: _____			
O	<input type="checkbox"/> Load/unload conveyor: <input type="checkbox"/> vibrating <input type="checkbox"/> belt <input type="checkbox"/> screw <input type="checkbox"/> bucket elevator <input type="checkbox"/> belt conveyor to belt conveyor Other: _____			

8. Summarize the material handling operations covered in items 5 through 7 above and identify the applicable control method(s) from available options. Complete the remaining table based upon the selected control method(s).

ID	Enclosure, Control Equipment (describe)	Chemical Stabilization	Application Frequency	Overall Control Eff. (%)	Basis for Overall Control Efficiency
A	Enclosure (Coal Unloading)	<input checked="" type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____		90%	Ohio RACM
B		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____			
C		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____			
D		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____			
E		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____			
F		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____			
G		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____			
H		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____			
I	Enclosure (coal transfer)	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input checked="" type="checkbox"/> other: <u>wet</u> <u>material</u>		95%	Ohio RACM
J	No enclosure (coal transfer)	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input checked="" type="checkbox"/> other: <u>wet</u> <u>material</u>			

K		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____		
L		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____		
M		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____		
N		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____		
O		<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other: _____		

