



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



1003 Commerce Park Drive, Suite 100 Oak Ridge, Tennessee, 37830

Figure 2-2 Coal Processing Flow Diagram  
 Middletown, OH

REVISION: 4  
 DATE: 12/12/08

DRAWN BY: E.ROTHFELDT  
 CHECKED BY: J. CARSON

FOR OHIO EPA USE FACILITY ID: _____ EU ID: _____ PTI#: _____
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## EMISSIONS ACTIVITY CATEGORY FORM STORAGE PILES

*This form is to be completed for each storage pile. State/Federal regulations which may apply to storage piles 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) F002

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. Meteorological data at or near storage pile area:

- a. mean number of days per year in which >0.01 inch of precipitation occurred 130 days
- b. percentage of time wind speed exceeds 12 miles per hour: 29 %
- c. mean wind speed: 9.9 miles per hour
- d. source of meteorological data: (a) AP-42, Figure 13.2.2-1  
(b) Dayton International Airport 1984 - 1992 wind rose  
(c) Tanks 4.09 Meteorological Data (Dayton, OH)

4. Description of storage pile activities:

ID	Type of Material Stored	Method of Load-in (check one or more)	Method of Load-out (check one or more)
A	Open Emergency Coke Pile	<input checked="" type="checkbox"/> conveyor/stacker: <input type="checkbox"/> front-end loader <input type="checkbox"/> other (describe): _____	<input type="checkbox"/> bucket wheel reclaimer <input type="checkbox"/> under pile feed <input type="checkbox"/> rake reclaimer <input type="checkbox"/> pan scraper <input checked="" type="checkbox"/> front-end loader <input type="checkbox"/> other: _____
B	Open Coal Pile #1 (Dead Pile)	<input checked="" type="checkbox"/> conveyor/stacker: <input type="checkbox"/> front-end loader <input type="checkbox"/> other (describe): _____	<input type="checkbox"/> bucket wheel reclaimer <input type="checkbox"/> under pile feed <input type="checkbox"/> rake reclaimer <input type="checkbox"/> pan scraper <input checked="" type="checkbox"/> front-end loader <input type="checkbox"/> other: _____
C	Open Coal Pile #2 (Live Pile)	<input checked="" type="checkbox"/> conveyor/stacker: <input type="checkbox"/> front-end loader <input type="checkbox"/> other (describe): _____	<input type="checkbox"/> bucket wheel reclaimer <input checked="" type="checkbox"/> under pile feed <input type="checkbox"/> rake reclaimer <input type="checkbox"/> pan scraper <input type="checkbox"/> front-end loader <input type="checkbox"/> other: _____
D	Open Emergency Coke Breeze Pile	<input checked="" type="checkbox"/> conveyor/stacker: <input type="checkbox"/> front-end loader <input type="checkbox"/> other (describe): _____	<input type="checkbox"/> bucket wheel reclaimer <input type="checkbox"/> under pile feed <input type="checkbox"/> rake reclaimer <input type="checkbox"/> pan scraper <input checked="" type="checkbox"/> front-end loader <input type="checkbox"/> other: _____
E	Open Emergency Screened Coke Pile	<input checked="" type="checkbox"/> conveyor/stacker: <input type="checkbox"/> front-end loader <input type="checkbox"/> other (describe): _____	<input type="checkbox"/> bucket wheel reclaimer <input type="checkbox"/> under pile feed <input type="checkbox"/> rake reclaimer <input type="checkbox"/> pan scraper <input checked="" type="checkbox"/> front-end loader <input type="checkbox"/> other: _____

7. LOAD-IN CONTROL METHODS

ID	Enclosure and/or Operating Practices (describe)	Chemical Stabilization	Application Frequency	Overall Control Eff. (%)	Basis for Overall Load-in Control Efficiency
A	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	
B	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	
C	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	
D	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	
E	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	

8. LOAD-OUT CONTROL METHODS

ID	Enclosure and/or Operating Practices (describe)	Chemical Stabilization	Application Frequency	Overall Control Eff. (%)	Basis for Overall Load-out Control Efficiency
A	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	
B	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	
C	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input checked="" type="checkbox"/> other: enclosure		95%	Ohio RACM
D	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	
E	Wet Material	<input type="checkbox"/> water <input type="checkbox"/> dust suppressant <input type="checkbox"/> other:		0%	



Figure 2-4 Coke Processing Flow Diagram  
Middletown, OH

REVISION: 1	DRAWN BY: E. ROTHFELDT
DATE: 03/20/09	CHECKED BY: J. CARSON

NOTE:  
[A] = COKE STORAGE PILE INCLUDES COKE LOAD-IN FUGITIVES, PILE FUGITIVES, AND COKE LOADOUT FUGITIVES.

