



Environmental
Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

3/24/2010

Charles Jones
ASHTABULA COAL DOCK
893 Bridge Street
Ashtabula, OH 44004

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0204010233
Permit Number: P0106162
Permit Type: Renewal
County: Ashtabula

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Kevin Boyce," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Ohio EPA DAPC, Northeast District Office at (330)425-9171 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern
Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
ASHTABULA COAL DOCK**

Facility ID: 0204010233
Permit Number: P0106162
Permit Type: Renewal
Issued: 3/24/2010
Effective: 3/24/2010
Expiration: 3/24/2020



Division of Air Pollution Control
Permit-to-Install and Operate
for
ASHTABULA COAL DOCK

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Authorization

Facility ID: 0204010233
Application Number(s): A0039243
Permit Number: P0106162
Permit Description: Storage piles
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 3/24/2010
Effective Date: 3/24/2010
Expiration Date: 3/24/2020
Permit Evaluation Report (PER) Annual Date: None

This document constitutes issuance to:

ASHTABULA COAL DOCK
10 BRIDGE ST
ASHTABULA, OH 44004

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 43087
(330)425-9171

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Chris Korleski
Director

Authorization (continued)

Permit Number: P0106162
Permit Description: Storage piles

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	F002
Company Equipment ID:	Coal Storage Piles
Superseded Permit Number:	P0084103
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Northeast District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

¹ Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.

C. Emissions Unit Terms and Conditions



1. F002, Coal Storage Piles

Operations, Property and/or Equipment Description:

Storage piles

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. None.
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a) Coal storage piles (load-in and load-out of storage piles, and wind erosion)		
a.	b) OAC rule 3745-17-07(B)(6)	no visible particulate emissions except for 13 minutes during any 60-minute period
b.	c) OAC rule 3745-17-08(B), (B)(6)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see b)(2)a through b)(2)l)
d) Stackers/reclaimer		
c.	e) OAC rule 3745-17-07(B)(1)	f) Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average. g) h)
d.	i) OAC rule 3745-17-08(B), (B)(6)	j) reasonably available control measures that are sufficient to minimize or eliminate visible emissions of k) l)



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		m) fugitive dust (see b)(2)b)
	n) Adjacent haul roads around storage piles	
e.	o) OAC rule 3745-17-07(B)(5)	p) no visible particulate emissions except for q) 13 minutes during any 60-minute period
f.	r) OAC rule 3745-17-08(B), (B)(2)	s) reasonably available control measures t) that are sufficient to minimize or u) eliminate visible emissions of fugitive dust v) (see)(2)c through b)(2)g, b)(2)j and w) b)(2)k)

(2) Additional Terms and Conditions

- a. During the unloading onto or removal from the aggregate storage piles, the drop height of the front-end loader shall be minimized in order to minimize or eliminate visible emissions of fugitive dust.
- b. A bucket wheel stacker reclaimer system shall be employed for load-in and load-out operations.
- c. The fixed water tower spray system, water tank truck(s) and/or other watering measures shall be operated and maintained so that water is applied evenly and distributed over the coal storage piles and adjacent haul roads in a manner to comply with applicable emissions limitations contained in b)(1) of this permit.

The permittee shall employ an automated software system to monitor and control the amount and frequency of watering from the watering tower spray system.

The automated software system shall control the watering of the storage piles based upon weather conditions using an on-site weather station and/or equivalent. Any equivalent shall have written approval of Ohio EPA.

Outages due to malfunction or maintenance of the automated software system shall not be considered non-compliance with this permit so long as the permittee is in compliance with applicable emissions limitations in b)(1) of this permit, but shall be reported to Ohio EPA when required by and in accordance with OAC rule 3745-15-06.

When the automated software system is not used in conjunction with the fixed water tower spray system, the water tower spray system, water tank truck(s), and/or other watering measures shall be operated and maintained so that, at a

minimum, the number of gallons of water required for the tons of coal in storage each day is applied evenly and distributed over the coal storage piles and adjacent haul roads during each calendar day when watering is required, as shown on Table 1 for Summer (May 1-September 15) or Table 2 for the Fall, Winter and Spring (September 16-April 30).

The permittee is required to water the coal storage piles each calendar day, when the automated software system is not used, except where one or more of the following conditions exists:

- i. At any time during the year when:
 - (a) the ambient temperature is 32 degrees Fahrenheit or less at the facility at 9:00 AM;
 - (b) snow completely covers the coal piles at 9:00 AM; or
 - (c) if there has been 1.0 inch or more precipitation at the facility since 9:00 AM on the previous day, the permittee shall resume watering after two consecutive calendar days.
- ii. During the Summer period (May 1 - September 15) when using Table 1:
 - (a) if at 9:00 AM there has been 0.1 inch or more precipitation at the facility since 9:00 AM on the previous day; or
 - (b) if at 9:00 AM there has been precipitation which has been less than 0.1 inch during the 24 hours since 9:00 AM on the previous day, then the amount of water to be applied shall be diminished as shown in Table 1.
- iii. During the Fall, Winter and Spring (September 16 to April 30) when using Table 2:
 - (a) if at 9:00 AM there has been 0.05 inch or more precipitation since 9:00 AM on the previous day; or
 - (b) if at 9:00 AM there has been precipitation which has been less than 0.05 inch during the 24 hours since 9:00 AM on the previous day, then the amount of water to be applied shall be diminished as shown in Table 2.
- d. "Precipitation" shall be defined as rain or rain equivalent. Ten (10) inches of snow shall be equal to 1 inch of rain.
- e. Each day when the automated software system is not used, spraying shall commence no later than 9:00 AM, unless precipitation is falling at 9:00 AM at the facility, in which event the precipitation will be checked again at 1:00 PM during the day shift, and spraying shall commence if precipitation is not falling at 1:00 PM. If no precipitation is falling and watering is to begin at 1:00 PM, the amount

of precipitation fallen between 9:00 AM and the 1:00 PM start time shall be added to the amount of precipitation fallen in the 24 hours prior to 9:00 AM to determine the amount of water to apply. Watering may be suspended when it begins to rain or snow.

- f. Each day when the automated software system is not used, for purposes of determining whether the requisite minimum amounts of precipitation have fallen, natural rainfall will be added to artificial rain in the form of water spray onto the coal piles using Tables 1 and 2.
- g. If the temperature is above freezing at 9:00 AM but falls below freezing later during the day, the permittee may suspend spraying for the rest of that calendar day.
- h. For new shipments of coal received after watering or precipitation has ceased, but prior to sunset, the newly arrived coal shall be watered in the amount of 2,000 gallons per 100,000 tons of coal, unless the temperature is 32 degrees Fahrenheit or below or precipitation is falling.
- i. In lieu of spraying water as required under section b)(2)c, an alternative dust suppressant system may be employed by written approval from the Ohio EPA.
- j. When the automated software system is not used in conjunction with the fixed water tower spray system, the permittee shall employ a weather station or equivalent instrumentation that is equipped with anemometer, rain gauge meter, thermometer and wind vane used to determine wind speed, precipitation, temperature and wind direction respectively. The weather station or equivalent instrumentation employed shall have written approval from the Ohio EPA.
- k. The permittee is required to perform daily inspections of all coal piles and adjacent haul roadways.

The purpose of performing inspections is to identify those areas that have not been sufficiently treated with water from the fixed water tower spray system to eliminate visible particulate emissions from storage piles and adjacent haul roads. Then, the permittee must implement control measures, such as applying water from the water tank truck(s) to those areas.

Areas to be inspected where potential emissions are at their greatest include the working face of the coal pile, coal piles located along the Ashtabula River, piles disturbed during load-in and load-out operations and areas affected by high winds from imminent storms.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

Daily inspections shall not be necessary for all coal piles and adjacent haul roadways as exempted in sections b)(2)c.i. through b)(2)c.iii.

- I. The permittee shall maintain as low a pile height and compaction of piles as feasible consistent with facility operations.
- c) Operational Restrictions
- (1) None.
- d) Monitoring and/or Recordkeeping Requirements
- (1) When the automated software system is not used, the permittee shall keep semi diurnal records (i.e., at 9:00 AM and at 1:00 PM) of the following:
 - a. the date;
 - b. the time;
 - c. the ambient temperature;
 - d. the weight of stored coal piles, in tons;
 - e. the precipitation conditions such as:
 - i. present precipitation conditions;
 - ii. amount of natural precipitation, in inches of rainfall, that fell 24 hours before the first semi diurnal reading and the amount that fell between the first and second semi diurnal readings of the day;
 - iii. amount of water sprayed, in gallons, from the fixed water tower spray system, water tank truck(s) and/or other watering measures, as required by Table 1 or Table 2; and
 - iv. the required gallons of water to be applied per Table 1 or Table 2, as appropriate.
 - (2) The permittee shall keep daily records of the following:
 - a. the date;
 - b. the weight, in tons, of coal loaded-in the storage piles;
 - c. the weight, in tons, of coal loaded-out the storage piles;
 - d. amount of water sprayed, in gallons, for new shipments of coal received after watering or precipitation has ceased, but prior to sunset from the fixed water tower spray system, water tank truck(s) and/or other watering measures as required in b)(2)h;
 - e. the required gallons of water to be applied, in gallons, as required in b)(2)h (i.e., newly arrived coal shall be watered in the amount of 2,000 gallons per 100,000 tons of coal);

- f. the amount of water sprayed on the storage piles and adjacent roadways, in gallons; and
 - g. when the automated system was not used.
- (3) The permittee shall keep daily inspection records of the following:
- a. the date;
 - b. whether there were any visible particulate emissions from the storage piles and from the adjacent haul roads; and
 - c. the control measure used.
- e) Reporting Requirements
- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- f) Testing Requirements
- (1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:
- a. Emission Limitation:
no visible particulate emissions except for 13 minutes during any 60-minute period for coal storage piles (load-in and load-out of storage piles, and wind erosion)

Applicable Compliance Method:
If required, compliance with the emission limitation for storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.
 - b. Emission Limitation:
Visible emissions of fugitive dust from the stacker/reclaimer shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3). The points of

observation for visible emissions shall include any fugitive egress points from this emissions unit.

c. Emission Limitation:

no visible particulate emissions except for 13 minutes during any 60-minute period for the adjacent haul roads around storage piles and parking areas

Applicable Compliance Method:

If required, compliance with the emission limitation for the unpaved haul roads around the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) These are the tables referenced in sections b)(2)c, b)(2)f, d)(1)e.iii and d)(1)e.iv.



TABLE 1
SUMMER

ASHTABULA COAL DOCK
COAL STORAGE PILES (F002)
WATER SPRAY REQUIREMENTS
MAY 1 THROUGH SEPTEMBER 15

Gallons of Water to be Applied Daily if it has Rained in the Previous 24 Hours

Tons of Coal in Storage ¹	Full Application	Gallons of Water to be Applied Daily if it has Rained in the Previous 24 Hours									
		0.01"	0.02"	0.03"	0.04"	0.05"	0.06"	0.07"	0.08"	0.09"	0.10"
1,600,000	139,000	126,000	112,000	98,000	84,000	70,000	56,000	42,000	28,000	14,000	0
1,400,000	138,000	124,000	110,000	96,000	83,000	69,000	55,000	42,000	28,000	14,000	0
1,200,000	136,000	122,000	109,000	95,000	82,000	68,000	55,000	41,000	28,000	14,000	0
1,000,000	134,000	121,000	107,000	94,000	81,000	67,000	54,000	41,000	27,000	14,000	0
800,000	132,000	119,000	106,000	93,000	79,000	66,000	53,000	40,000	27,000	14,000	0
600,000	130,000	117,000	104,000	91,000	78,000	65,000	52,000	39,000	26,000	13,000	0
400,000	128,000	116,000	103,000	90,000	77,000	64,000	52,000	39,000	26,000	13,000	0
200,000	127,000	114,000	101,000	89,000	76,000	64,000	51,000	38,000	26,000	13,000	0
0	125,000	112,000	100,000	87,000	75,000	63,000	50,000	38,000	25,000	13,000	0

¹ For purposes of determining the gallons of water to be applied daily, the "tons of coal in storage" shall not include the tons of coal which are in a pile or piles subject to (A) chemical wet suppression technologies including, but not limited to, crusting agents, or (B) alternative control strategies approved in writing by Ohio EPA.



TABLE 2
FALL, WINTER AND SPRING

ASHTABULA COAL DOCK
COAL STORAGE PILES (F002)
WATER SPRAY REQUIREMENTS
SEPTEMBER 16 THROUGH APRIL 30

Gallons of Water to be Applied Daily if it has Rained in the Previous 24 Hours

Tons of Coal in Storage ²	Full Application	<u>0.01"</u>	<u>0.02"</u>	<u>0.03"</u>	<u>0.04"</u>	<u>0.05"</u>
1,600,000	70,000	56,000	42,000	28,000	14,000	0
1,400,000	69,000	55,000	42,000	28,000	14,000	0
1,200,000	68,000	55,000	41,000	28,000	14,000	0
1,000,000	67,000	54,000	41,000	27,000	14,000	0
800,000	66,000	53,000	40,000	27,000	14,000	0
600,000	65,000	52,000	39,000	26,000	13,000	0
400,000	64,000	52,000	39,000	26,000	13,000	0
200,000	64,000	51,000	38,000	26,000	13,000	0
0	63,000	50,000	38,000	25,000	13,000	0

² For purposes of determining the gallons of water to be applied daily, the "tons of coal in storage" shall not include the tons of coal which are in a pile or piles subject to (A) chemical wet suppression technologies including, but not limited to, crusting agents, or (B) alternative control strategies approved in writing by Ohio EPA.

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