



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

5/13/2016

Certified Mail

Mr. James Brown
Ohio Valley Electric Corp., Kyger Creek Station
P.O. Box 468
3932 U.S. Route 23
Piketon, OH 45661

Facility ID: 0627000003
Permit Number: P0089199
County: Gallia

RE: DRAFT AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

A draft of the OAC Chapter 3745-77 Title V permit for the referenced facility has been issued. The purpose of this draft is to solicit public comments. A public notice will appear in the Ohio Environmental Protection Agency (EPA) Weekly Review and the local newspaper, Gallipolis Daily Tribune. A copy of the public notice, the Statement of Basis, and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified if a public hearing is scheduled. A decision on processing the Title V permit will be made after consideration of comments received and oral testimony if a public hearing is conducted. You will then be provided with a Preliminary Proposed Title V permit and another opportunity to comment prior to the 45-day Proposed Title V permit submittal to U.S. EPA Region 5. The permit will be issued final after U.S. EPA review is completed and no objections to the final issuance have been received. If you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501.

Sincerely,

A handwritten signature in cursive script that reads "Michael E. Hopkins".

Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: U.S. EPA Region 5 - *Via E-Mail Notification*
Ohio EPA-SEDO; Kentucky; West Virginia

PUBLIC NOTICE

The following matters are the subject of this public notice by the Ohio Environmental Protection Agency. The complete public notice, including any additional instructions for submitting comments, requesting information, a public hearing, or filing an appeal may be obtained at: <http://epa.ohio.gov/actions.aspx> or Hearing Clerk, Ohio EPA, 50 W. Town St., Columbus, Ohio 43215. Ph: 614-644-2129 email: HClerk@epa.ohio.gov

Draft Title V Permit Renewal

Ohio Valley Electric Corp., Kyger Creek Station

5758 State Route 7 North, , Cheshire, OH 45620

ID#: P0089199

Date of Action: 5/13/2016

PermitDesc: Title V renewal permit for the Kyger Creek Station located in Gallia County: five identical Babcock and Wilcox open pass, pulverized coal-fired wet bottom boilers, having nominal rated capacities of 1,850 MMBtu/hr, and controlled with selective catalytic reduction system (SCR), electrostatic precipitator (ESP), and wet FGD scrubber..

The permit and complete instructions for requesting information or submitting comments may be obtained at: <http://epa.ohio.gov/dapc/permitonline.aspx> by entering the ID # or: Jessica Kuenzli, Ohio EPA DAPC, Southeast District Office, 2195 Front Street, Logan, OH 43138. Ph: (740)385-8501



Statement of Basis For Air Pollution Title V Permit

Facility ID:	0627000003
Facility Name:	Ohio Valley Electric Corp., Kyger Creek Station
Facility Description:	Electric Facility.
Facility Address:	5758 State Route 7 North, Cheshire, OH 45620
Permit #:	P0089199, Renewal

This facility is subject to Title V because it is major for:

- Lead
 Sulfur Dioxide
 Carbon Monoxide
 Volatile Organic Compounds
 Nitrogen Oxides
 Particulate Matter ≤ 10 microns
 Single Hazardous Air Pollutant
 Combined Hazardous Air Pollutants
 Maximum Available Control Technology Standard(s)
 GHG
 Title IV

A. Standard Terms and Conditions

Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01(U)?	Yes
Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	No
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3)	N/A



Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)	N/A
Please identify the affected unit(s) and pollutant(s) for which a Compliance Assurance Monitoring (CAM) Plan is required per 40 CFR 64. Provide more emissions unit specific detail in Section C.	CAM is applicable to emissions units B001, B002, B003, B004, and B005 for particulate matter.



B. Facility-Wide Terms and Conditions

Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
B.2.	77-07(A)(13)		Insignificant emissions units requirements
B.3.		40 CFR Part 63, Subpart ZZZZ	Stationary Reciprocating Internal Combustion Engines MACT
B.4.		40 CFR Part 63, Subpart UUUUU	Electric Gas Utility MACT - Mercury and Air Toxics (MATs) rule
B.5.	109		State Clean Air Interstate Rule (CAIR)
B.6.		40 CFR Part 64	Compliance Assurance Monitoring (CAM) is applicable to emission units B001, B002, B003, B004, and B005 for particulate matter.

c. Emissions Unit Terms and Conditions

Key: EU = emissions unit ID ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit) OR = operational restriction M = monitoring requirements ENF = did noncompliance issues drive the monitoring requirements?	R = record keeping requirements Rp = reporting requirements ET = emission testing requirements (not including compliance method terms) St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement Misc = miscellaneous requirements
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EU(s)	Limitation	Basis		ND	OR	M	ENF	R	Rp	ET	St	Misc	Comments
		SIP (3745-)	Other										
F003	Fugitive PE shall not exceed 4.66 tpy.	31-05(A)(3)		N	N	Y	N	Y	Y	Y	N	N	The radial stacker, conveyor, and all associated transfer points shall employ BACM to minimize or eliminate VE's. M/R – daily inspections and logs. Rp – Semi-annual deviation reports. ET – compliance with AP-42 calculations.
F003	Visible PE shall not exceed 20% opacity, as a 3-minute average	17-07(B)(7)(b)		N	N	Y	N	Y	Y	Y	N	N	Applies to the addition of the radial stacker and two conveyors. M/R – daily inspections and logs. Rp – Semi-annual deviation reports. ET – if required
F010	Fugitive PE shall not exceed 8.61 tpy.		31-05(A)(3), 31-05(E)	N	N	Y	N	Y	Y	Y	N	N	The permittee shall employ BACM that are sufficient to minimize or eliminate VE's. Voluntary restrictions to avoid BAT. M/R – daily inspections and logs. Rp – Semi-annual deviation reports. ET – compliance with AP-42 calculations.
F001 F002	None.	17-07(B) 17-08(B)		N	N	N	N	N	N	N	N	N	These emissions units are an existing stationary sources not located in an Appendix A area.
B001 B002 B003 B004 B005	SO ₂ emissions shall not exceed 1.2 lbs/MMBtu		31-02(A)(2)	N	Y	Y	N	Y	Y	Y	N	N	Installation of flue gas desulfurization system. SO ₂ CEMs M/R: Fuel sampling and analysis or SO ₂ CEM Rp: Quarterly deviation reports ET: if required
B001 B002 B003 B004 B005	Visible PE shall not exceed 20% opacity except as provided by rule.	17-07(A)		N	Y	Y	N	Y	Y	Y	N	N	Continuous opacity monitors. M/R: COM R - Quarterly excess emission reporting ET: if required.
B001 B002 B003	PE shall not exceed 0.10 lb/MMBtu	17-10(C)(1)		N	Y	Y	N	Y	Y	Y	N	N	M/R: COM M & R – Quarterly deviation reporting ET- Twice during permit term.



EU(s)	Limitation	Basis		ND	OR	M	ENF	R	Rp	ET	St	Misc	Comments
		SIP (3745-)	Other										
B004 B005													
B001 B002 B003 B004 B005	Comply with either limit: 0.03 lb/MMBtu (PM) or 0.30 lb/MWh (PM); OR 5.0E-5 lb/MMBtu or 5.0E-1 lb/GWh of Total non-Hg HAP metals; Individual HAP metals: Listed in this permit under 4.b)(1)e.		40 CFR Part 63, Subpart UUUUU (Table 2: 40 CFR Part 63.9991)	N	N	Y	N	Y	Y	Y	N	N	M- 63.10032-63.10033 R-63.10030-63.10031 ET-63.10000 General Requirements. 63.10005-Initial Compliance. 63.10006-Subsequent performance tests or tune-ups. 63.1007- Methods and procedures for performance test. 63.10009-Emissions averaging. 63.10010- Monitoring, installation, operation, and maintenance requirements. 63.10020-63.10023-Continuous compliance requirements.
B001 B002 B003 B004 B005	NA		40 CFR Part 63, Subpart UUUUU, Table 9	N	N	N	N	N	N	N	N	N	Table 9 – Applicability of General Provisions to Subpart UUUUU.
B001 B002 B003 B004 B005	NA		40 CFR Part 64(Compliance Assurance Monitoring)	N	N	Y	N	Y	Y	Y	N	N	M – CAM Plan submitted to continuously monitor opacity from the stack. - Monitoring of ESP electrical data / ESP inspections R – Keep opacity/COM data Rp – quarterly deviation reporting ET – PE testing requirements Corrective Actions: 1. Continuous Opacity Monitoring: implemented in response to any significant increase in stack opacity above normal operating levels. 2. Monitoring of ESP electrical data: implemented at any time TR set voltage and current levels are found to be operating outside normally expected ranges. 3. ESP inspections: implemented at any time inspections of the ESP reveal operations and/or equipment problems are found to be significantly impacting proper operations.



EU(s)	Limitation	Basis		ND	OR	M	ENF	R	Rp	ET	St	Misc	Comments
		SIP (3745-)	Other										
													4. Particulate emissions testing: implemented at any time testing shows particulate matter emission levels approaching or exceeding the 0.10 lb/MMBtu limit. Pursuant to 40 CFR 64.2(b), CAM will not apply to the MACT emission limitations or standards in 40 CFR Part 63, Subpart UUUUU after the compliance date in that rule.
B001 B002 B003 B004 B005	Malfunctions of air pollution control equipment	15-06 (B)(1)		N	N	N	N	N	N	N	N	Y	The permittee has established a Preventative Maintenance and Malfunction Abatement Plan for the Plant FGD Absorber System (PMMAP) (last revised 02/07/2012). The PMMAP identifies the FGD system's major components: <ol style="list-style-type: none"> 1. Lime preparation system 2. Absorber system 3. Primary dewatering system 4. Secondary dewatering system Additional FGD support systems <ol style="list-style-type: none"> 1. Mist Eliminator wash system 2. Sump system The PMMAP identifies: <ol style="list-style-type: none"> 1. Inspection schedule and surveillance protocol 2. Data collection and observation schedule 3. Inventory replacement parts 4. Regular maintenance schedules/activities



DRAFT

**Division of Air Pollution Control
Title V Permit
for
Ohio Valley Electric Corp., Kyger Creek Station**

Facility ID:	0627000003
Permit Number:	P0089199
Permit Type:	Renewal
Issued:	5/13/2016
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance



Division of Air Pollution Control
Title V Permit
for
Ohio Valley Electric Corp., Kyger Creek Station

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Draft Title V Permit
Ohio Valley Electric Corp., Kyger Creek Station
Permit Number: P0089199
Facility ID: 0627000003
Effective Date: To be entered upon final issuance

Authorization

Facility ID: 0627000003
Facility Description: Electric Facility.
Application Number(s): A0020448, A0020449, A0041516, A0047540
Permit Number: P0089199
Permit Description: Title V renewal permit for the Kyger Creek Station located in Gallia County: five identical Babcock and Wilcox open pass, pulverized coal-fired wet bottom boilers, having nominal rated capacities of 1,850 MMBtu/hr, and controlled with selective catalytic reduction system (SCR), electrostatic precipitator (ESP), and wet FGD scrubber.
Permit Type: Renewal
Issue Date: 5/13/2016
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number: P0089198

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Ohio Valley Electric Corp., Kyger Creek Station
5758 State Route 7 North
Cheshire, OH 45620

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Southeast District Office. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months and no later than 6 months prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Director



Draft Title V Permit
Ohio Valley Electric Corp., Kyger Creek Station
Permit Number: P0089199
Facility ID: 0627000003
Effective Date: To be entered upon final issuance

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
- (1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions
 - (2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions
 - (3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting For State-Only Requirements
 - (4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (5) Standard Term and Condition A. 30.

(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
- (1) The date, place (as defined in the permit), and time of sampling or measurements.
 - (2) The date(s) analyses were performed.
 - (3) The company or entity that performed the analyses.
 - (4) The analytical techniques or methods used.
 - (5) The results of such analyses.
 - (6) The operating conditions existing at the time of sampling or measurement.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

- b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))



- c) The permittee shall submit required reports in the following manner:
- (1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any submitted scheduled maintenancerequests, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

- (2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the



probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be submitted promptly to the Ohio EPA DAPC, Southeast District Office. Except as provided below, the written reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

- (3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted to the Ohio EPA DAPC, Southeast District Office by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally

enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

- (4) Each written report shall be signed by a Responsible Official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete." Signature by the Responsible Official may be represented by entry of the personal identification number (PIN) by the Responsible Official as part of the electronic submission process or by the scanned attestation document signed by the Responsible Official that is attached to the electronically submitted written report.

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

- (5) Consistent with A.2.c.1. above, reports of any required monitoring and/or record keeping information required to be submitted to Ohio EPA shall be submitted to Ohio EPA DAPC, Southeast District Office unless otherwise specified.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Reporting of Any Exceedence of a Federally Enforceable Emission Limitation or Control Requirement Resulting From Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. ("Act"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

- a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or
- b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

(Authority for term: OAC rule 3745-77-07(A)(5))

6. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

(Authority for term: OAC rule 3745-77-07(A)(6))

7. General Requirements

- a) Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit except as provided pursuant to A.16 below.
- c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.11 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.



- e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

- f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:
 - (1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or
 - (2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or
 - (3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminant sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.

(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.
- b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

- a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a Responsible



Official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

- b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
 - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

- c) The permittee shall submit progress reports to the Ohio EPA DAPC, Southeast District Office concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

- d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the Ohio EPA DAPC, Southeast District Office) and the Administrator of the U.S. EPA in the following manner and with the following content:
 - (1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - (2) Compliance certifications shall include the following:
 - a. Identification of each term or condition that is the basis of the certification. The identification may include a statement by the Responsible Official that every term and condition that is federally enforceable has been reviewed, and such terms and conditions with which there has been continuous compliance throughout the year are not separately identified.
 - b. The permittee's current compliance status.



- c. Whether compliance was continuous or intermittent consistent with A.13.d.2.a above.
 - d. The method(s) used for determining the compliance status of the source currently and over the required reporting period consistent with A.13.d.2.a above.
 - e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
- (3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

- a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.
- b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the Ohio EPA DAPC, Southeast District Office with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the Ohio EPA DAPC, Southeast District Office as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.
- b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.
- c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).
- d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.
- e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Federal Register 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)



19. Insignificant Activities or Emissions Levels

Each IEU that is subject to one or more applicable requirements shall comply with those applicable requirements.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-07(A)(1))

21. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the Responsible Official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the Responsible Official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

Unless otherwise exempted, no emissions unit identified in this permit that has been certified by the Responsible Official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:



- a) Persons operating appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.
- b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.
- c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or record keeping information shall be submitted to the Ohio EPA DAPC, Southeast District Office.
- b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA DAPC, Southeast District Office. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

25. Records Retention Requirements Under State Law Only

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine



whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

(Authority for term: OAC rule 3745-77-07(C))

27. Scheduled Maintenance/Malfunction Reporting For State-Only Requirements

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the Ohio EPA DAPC, Southeast District Office in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The Ohio EPA DAPC, Southeast District Office must be notified in writing of any transfer of this permit.

(Authority for term: OAC rule 3745-77-01(C))

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

- a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or
- b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potential to emit; or
- c) where the company's Responsible Official has certified that an emissions unit has been permanently shut down.



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30. Submitting Documents Required by this Permit

All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the Ohio EPA DAPC, Southeast District Office, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the Responsible Official may be represented as provided through procedures established in Air Services.



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B. Facility-Wide Terms and Conditions



1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

a) None.

2. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emissions limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirements contained in a permit to install or in the SIP approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21, and/or 40 CFR Part 60 or 63:

EU ID	Operations, Property and/or Equipment Description
F005	Magnetite Injection System OAC rule 3745-31-05(A)(3) (PTI # 06-5912 issued Final 9/1/1999)
F006	Flue Gas Desulfurization(FGD)Limestone Handling System W/ Enclosures and Baghouses OAC rule 3745-31-05, 40 CFR Part 60, Subpart OOO, (PTI # 06-08161 issued Final 5/3/2007)
F007	Limestone and Gypsum Storage Piles OAC rule 3745-31-05, (PTI # P0109471 issued Final 5/10/2012)
F008	Gypsum Handling System - Conveyors for Handling Gypsum, WWTP Solids, and Dewatered Fly Ash OAC rule 3745-31-05, (PTI # P0109471 issued Final 5/10/2012)
F009	Trona and Bulk Chemical Handling and Storage Consisting of Bins and Silos Vented to Bin Vent Filters OAC rule 3745-31-05, (PTI # 06-08161 issued Final 5/3/2007)
F012	Flue Gas Desulfurization(FGD) Landfill OAC rule 3745-31-05, (PTI # P0109471 issued Final 5/10/2012)
P001	Diesel Engine for Emergency Quench Pump ORC 3704.03(T)(4), OAC rule 3745-17-11(B)(5)(a) (PTI # 06-08161 issued Final 5/3/2007), 40 CFR Part 63, Subpart ZZZZ

(Authority for term: 3745-77-07(A)(13))

3. The following emissions unit contained in this permit is subject to 40 CFR Part 63, Subpart ZZZZ: P001. The existing emergency or limited use compression ignition (CI) reciprocating internal combustion engine(s) (RICE), less than or equal to 500 brake horse power and located at a major source for hazardous air pollutants (HAPs), are subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63, Subpart ZZZZ. P001 shall meet the requirements of 40 CFR Part 63, Subpart ZZZZ upon installation.

(Authority for term: 40 CFR 63.6585, 40 CFR 63.6590(a), 40 CFR 63.6595 and 40 CFR 63.6602)

4. The following emissions units contained in this permit is subject to 40 CFR Part 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants from Coal and oil-fired Electric Utility Steam Generating Units: B001, B002, B003, B004, and B005.



The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://efcr.gpoaccess.gov> or by contacting the Ohio EPA Southeast District Office.

(Authority for term: 40 CFR Part 63)

5. The permittee shall ensure that any CAIR NO_x, SO₂, or NO_x ozone season units complies with the requirements of OAC chapter 3745-109, which includes submitting timely permit applications. The permittee shall ensure that the affected emissions units comply with those requirements as outlined in the permit application submitted as required by OAC rules 3745-109-03, 3745-109-10 and 3745-109-16 for the affected emissions units.

The permittee shall also comply with any subsequent federally mandated programs that may replace the CAIR program affecting electric generating facilities.

Note: Ohio EPA DAPC has completed proposed rule amendments for OAC chapter 3745-14, specifically, OAC rule 3745-14-01 and OAC rule 3745-14-06, which facilitated the transition of the affected units from OAC chapter 3745-14 into the federal Clean Air Interstate Rule (CAIR) program which began with the 2009 control periods. This began the process of “sunsetting” the parts of OAC chapter 3745-14 which were no longer needed as a result of Ohio’s CAIR rules (OAC chapter 3745-109).

(Authority for term: OAC rules 3745-109 and OAC rule 3745-77-07(A)(5))

6. Transportation Rule (TR) Trading Program Requirements

- a) The permittee shall comply with all applicable Cross-State Air Pollution Rule (CSAPR) requirements (40 CFR Part 97, Subparts AAAAA – DDDDD) by the compliance date specified in 40 CFR Part 97, Subparts AAAAA – DDDDD.
- b) The TR subject units, and the unit-specific monitoring provisions at this source, are identified in the following table. These units are subject to the requirements for the TR NO_x Annual Trading Program, TR NO_x Ozone Season Trading Program, and TR SO₂ Group 1 Trading Program.

<u>Unit ID:</u> B001: Unit #1 Boiler B002: Unit #2 Boiler B003: Unit #3 Boiler B004: Unit #4 Boiler B005: Unit #5 Boiler					
Parameter	Continuous emission monitoring system or systems	Excepted monitoring system requirements for gas- and	Excepted monitoring system requirements for gas- and	Low Mass Emissions excepted monitoring (LME)	EPA-approved alternative monitoring system



	(CEMS) requirements pursuant to 40 CFR Part 75, Subpart B (for SO ₂ monitoring) and 40 CFR Part 75, Subpart H (for NO _x monitoring)	oil- fired units pursuant to 40 CFR Part 75, Appendix D	oil- fired peaking units pursuant to 40 CFR Part 75, Appendix E	requirements for gas- and oil- fired units pursuant to 40 CFR 75.19	requirements pursuant to 40 CFR Part 75, Subpart E
SO ₂	X		-----		
NO _x		-----			
Heat Input			-----		

- c) The above descriptions of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping and reporting requirements applicable to the unit under 40 CFR 97.630 through 97.635 (TR SO₂ Group 1 Trading Program), as applicable. The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.
- d) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at: <http://epa.gov/airmarkets/emissions/monitoringplans.html>.
- e) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, subpart E and 40 CFR 97.635 (TR SO₂ Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.
- f) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.630 through 97.634 (TR SO₂ Group 1 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 97.635 (TR SO₂ Group 1 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.
- g) The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR 97.630 through 97.634 (TR SO₂ Group 1 Trading Program), and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.



h) **TR SO₂ Group 1 Trading Program Requirements**

Designated representative requirements	97.606(a), 97.613-97.618
Emissions monitoring, reporting and recordkeeping requirements	97.606(b), 97.630-97.635
SO ₂ emissions requirements	97.606(c)
Title V permit revision requirements	97.606(d)
Additional recordkeeping and reporting requirements	97.606(e)
Liability	97.606(f)
Effect on other authorities	97.606(g)

(Authority for term: 40 CFR Part 97)

7. The Ohio EPA, Southeast District Office has approved the Compliance Assurance Monitoring (CAM) plan submitted by the permittee, pursuant to 40 CFR Part 64, for emissions units B001, B002, B003, B004, and B005. The permittee shall comply with the provisions of the plan (as specified in Part C – Terms and Conditions for Emissions Units) during any operation of the aforementioned emissions units. Pursuant to 40 CFR 64.2(b), CAM will not apply to the MACT emission limitations or standards in 40 CFR Part 63, Subpart UUUUU, upon the date that emissions units B003 and B004 become subject to this rule.

(Authority for term: 40 CFR Part 64)



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C. Emissions Unit Terms and Conditions



1. F003, Coal Handling Facilities

Operations, Property and/or Equipment Description:

Existing Coal Handling Operations plus the modification to install two conveyors and a radial stacker per the requirements of PTI #06-07882 issued Final on 8/23/2005.

- a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operation(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 are identified below. 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.	OAC rule 3745-31-05(A)(3) (PTI #06-07882 Issued Final 8/23/2005)	(Modification to install conveyor and radial stacker) Particulate emissions (PE) shall not exceed 4.66 tons per year. The radial stacker, conveyor, and all associated transfer points shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.
b.	OAC rule 3745-17-07(B)(7)(b)	Visible PE shall not exceed twenty per cent opacity, as a 3-minute average.
c.	OAC rule 3745-17-08(B), (B)(6)	The requirements specified in these rules are as stringent as or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)	(Existing coal handling operations) Exempt. See b)(2)a.

(2) Additional Terms and Conditions

- a. This facility's coal handling operations is an existing stationary source and is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rule 3745-17-08(B) does not apply to this emissions unit. Also, this emissions unit is exempt from the visible PE limitation specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- b. The coal conveyors that are covered by the Best Available Technology (BAT) requirements specified in PTI #06-07882, and subject to the above-mentioned requirements are listed below:

Radial Stacker Conveyor B13
Conveyor 2B1
- c. The coal transfer points that are covered by the BAT requirements specified in PTI #06-07882, and subject to the above-mentioned requirements are listed below:

Station 2 Transfer Point
Station B1 Transfer Point
Radial Stacker to Pile
- d. The permittee shall employ best available control measures for the coal and REF material handling operations listed above, for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee shall perform the following control measures to ensure compliance: maintain sufficient moisture to prevent fugitive dust, treat the coal with chemical stabilization/dust suppressants at sufficient frequencies, employ bin vent filters and maintain enclosures. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.
- e. For each coal and REF Material Handling System operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the coal and REF Material Handling System operations until further observation confirms that use of the control measures is unnecessary.
- f. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit are appropriate and sufficient to satisfy the best available control measures of ORC 3704.03(T).

(Authority for term: OAC rule 3745-77-07(C)(1))

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>Material Handling Operation</u>	<u>Minimum Inspection Frequency</u>
Radial Stacker	Daily (When in operation)
Conveyor B13	Daily (When in operation)
Conveyor 2B1	Daily (When in operation)
Station 2 Transfer Point	Daily (When in operation)
Radial Stacker to Pile	Daily (When in operation)

(Authority for term: OAC rule 3745-77-07(C)(1))

(2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal working conditions. No inspection shall be necessary for a material handling operation that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

(Authority for term: OAC rule 3745-77-07(C)(1))

(3) The permittee shall maintain records of the following information:

- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
- c. the dates the control measures were implemented; and
- d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

(Authority for terms: OAC rule 3745-77-07(C)(1))



- (4) The information required in d)(3)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

(Authority for term: OAC rule 3745-77-07(C)(1))

e) Reporting Requirements

- (1) The permittee shall submit semiannual written reports that identify:

- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
- b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

(Authority for terms: OAC rule 3745-77-07(C)(1))

- (2) These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period..

(Authority for term: OAC rule 3745-77-07(C)(1))

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation:

PE shall not exceed 4.66 tons per year.

Applicable Compliance Method:

Compliance is demonstrated through use of the following equation:

$$K*(0.0032)(U/5)^{1.3}[(M/2)^{1.4}] \quad (\text{AP-42, Miscellaneous Sources, Chapter 13.2.4, [Dated 1/1995]})$$

Where:

- K = 0.74
- U = 6.6 (mph, mean wind speed, Huntington, WV)
- M = 4.5 (% Moisture Content)
- Throughput = 1,500 tons per hour
- Hours of operation = 8,760

Assume 90% control for chemical and/or wet suppression, partial and total enclosures.



b. Emissions Limitation:

Visible PE shall not exceed twenty per cent opacity, as a 3-minute average.

Applicable Compliance Method:

If required, compliance with the visible PE limitations listed above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

(Authority for term: OAC rule 3745-77-07(C)(1))

g) Miscellaneous Requirements

(1) None.



2. F010, Residual Waste Landfill Roadways

Operations, Property and/or Equipment Description:

Residual Waste Landfill Roadways consisting of 1.02 miles of paved roadway w/ 87,494 vehicle miles traveled per year and 0.35 miles of unpaved roadway w/ 43,000 vehicle miles traveled per year.

- a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operation(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 are identified below. 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.	OAC rule 3745-31-05(A)(3), as effective 11/30/2001 (PTI P0109471 Issued Final May 10, 2012)	Fugitive particulate emissions shall not exceed 8.61 tons per year. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible particulate emissions of fugitive dust. See b)(2)a. and b)(2)c. through b)(2)g.
b.	OAC rule 3745-31-05(A)(3), as effective 12/01/2006	See b)(2)b.

- (2) Additional Terms and Conditions
 - a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulation for NAAQS pollutant emissions less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and U.S. EPA approves the revision to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05, these emission limits/control measures no longer apply.



- b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the SIP.

PTI P0109471 for this air contaminant source has taken into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

- i. 15 miles per hour speed limit;
 - ii. sweeping, flushing, good housekeeping practices; and
 - iii. 8.61 tons per year emissions limitation.
- c. The permittee shall employ best available control measures on all paved and unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to treat the paved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-control measures to ensure compliance.
- d. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for paved and unpaved roadways and parking areas that are covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- e. The permittee shall promptly remove, in such a manner as to minimize or prevent re-suspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- f. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- g. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05(A)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

- c) Operational Restrictions

- (1) None.



d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

<u>Paved/unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all roadways and parking areas	daily

(Authority for term: OAC rule 3745-77-07(C)(1))

- (2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

(Authority for term: OAC rule 3745-77-07(C)(1))

- (3) The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

(Authority for term: OAC rule 3745-77-07(C)(1))

- (4) The information required in d)(3)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

(Authority for term: OAC rule 3745-77-07(C)(1))

e) Reporting Requirements

- (1) The permittee shall submit semiannual written reports that identify:



- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
- b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

(Authority for term: OAC rule 3745-77-07(C)(1))

- (2) These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation:

Fugitive PE shall not exceed 8.61 tons per year.

Applicable Compliance Method:

Compliance with fugitive PE limitation shall be determined by using the emission factor equations in Section 13.2.1 paved roadways, and Section 13.2.2 in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 11/2006) and the parameters as listed in Permit to Install application A0043772, which was submitted to Ohio EPA on February 8, 2012.

(Authority for term: OAC rule 3745-77-07(C)(1))

g) Miscellaneous Requirements

- (1) None.



3. Emissions Unit Group -Existing Stationary Sources: F001,F002,

EU ID	Operations, Property and/or Equipment Description
F001	Existing Plant Parking Areas and Roadways
F002	Existing Coal Storage Area

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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.	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)	Exempt. See b)(2)a.

(2) Additional Terms and Conditions

a. This facility is an existing stationary source and is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rule 3745-17-08(B) does not apply to this emissions unit. Also, this emissions unit is exempt from the visible PE limitation specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

(Authority for term: OAC rule 3745-17-07(C)(1))

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.



Draft Title V Permit
Ohio Valley Electric Corp., Kyger Creek Station
Permit Number: P0089199
Facility ID: 0627000003
Effective Date: To be entered upon final issuance

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. None.

g) Miscellaneous Requirements

(1) None.



4. Emissions Unit Group -Main Boilers, Units 1 - 5: B001, B002, B003, B004, B005. These Electric Generating Units (EGUs), were installed or reconstructed on or before 5/3/11, and are classified as existing EGUs.

EU ID	Operations, Property and/or Equipment Description
B001	Unit #1 Boiler - Babcock and Wilcox Open Pass, Pulverized Coal Fired Wet Bottom Boiler, having a nominal rated capacity of 1,850 MMBtu/hr, and controlled with a selective catalytic reduction system (SCR), electrostatic precipitator (ESP), and wet FGD scrubber.
B002	Unit #2 Boiler - Babcock and Wilcox Open Pass, Pulverized Coal Fired Wet Bottom Boiler, having a nominal rated capacity of 1,850 MMBtu/hr, and controlled with a selective catalytic reduction system (SCR), electrostatic precipitator (ESP), and wet FGD scrubber.
B003	Unit #3 Boiler - Babcock and Wilcox Open Pass, Pulverized Coal Fired Wet Bottom Boiler, having a nominal rated capacity of 1,850 MMBtu/hr, and controlled with a selective catalytic reduction system (SCR), electrostatic precipitator (ESP), and wet FGD scrubber.
B004	Unit #4 Boiler - Babcock and Wilcox Open Pass, Pulverized Coal Fired Wet Bottom Boiler, having a nominal rated capacity of 1,850 MMBtu/hr, and controlled with a selective catalytic reduction system (SCR), electrostatic precipitator (ESP), and wet FGD scrubber.
B005	Unit #5 Boiler - Babcock and Wilcox Open Pass, Pulverized Coal Fired Wet Bottom Boiler, having a nominal rated capacity of 1,850 MMBtu/hr, and controlled with a selective catalytic reduction system (SCR), electrostatic precipitator (ESP), and wet FGD scrubber.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) c)(1).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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.	OAC rule 3745-31-02(A)(2) (PTI #06-08190 issued Final 1/16/2007 - This permit was only issued for the purpose allowing the installation of the flue gas re-circulation (FGD) scrubber.)	Sulfur dioxide (SO ₂) emissions shall not exceed 1.2 lbs/MMBtu of actual heat input based upon a rolling, 30-day average (this shall be verified by the operation of the certified SO ₂ continuous emissions monitor (CEM) system and the corresponding record keeping and reporting requirements for the SO ₂ CEM listed in the Title IV and Title V permit for this emissions unit). See b)(2)a.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
c.	OAC rule 3745-17-10(C)(1)	PE shall not exceed 0.10 lb/MMBtu actual heat input.
d.	OAC rule 3745-18-33(B)	SO ₂ emissions shall not exceed 8.2 lbs/MMBtu, actual heat input.
e.	<p>40 CFR Part 63, Subpart UUUUU (Table 2 (#1): 40 CFR Part 63.9990 – 63.10042) effective date of April 16, 2015.</p> <p>[In accordance with 40 CFR 60.9982(d), these emissions units are existing EGU's if they are not new or reconstructed. An existing electric steam generating unit that meets the applicability requirements after the effective date of this final rule due to a change in process (e.g., fuel or utilization) is considered to be an existing source under this subpart.]</p>	<p>Except as provided under the Emissions Averaging provisions specified in 63.10009 if applicable, the permittee shall comply with the following:</p> <p>0.03 lb/MMBtu (PM) or 0.30 lb/MWh (PM); OR 5.0E-5 lb/MMBtu or 5.0E-1 lb/GWh of total non-Hg HAP metals; OR</p> <p>Individual HAP metals:</p> <p>Antimony (Sb) 8.0E-1 lb/TBtu or 8.0E-3 lb/GWh.</p> <p>Arsenic (As) 1.1E0 lb/TBtu or 2.0 E-2 lb/GWh.</p> <p>Beryllium (Be) 2.0E-1 lb/TBtu or 2.0E-3 lb/GWh.</p> <p>Cadmium (Cd) 3.0E-1 lb/TBtu or 3.0E-3 lb/GWh.</p> <p>Chromium (Cr) 2.8E0 lb/TBtu or 3.0E-2 lb/GWh.</p> <p>Cobalt (Co) 8.0E-1 lb/TBtu or 8.0E-3 lb/GWh.</p> <p>Lead (Pb) 1.2E0 lb/TBtu or 2.0E-2 lb/GWh.</p> <p>Manganese (Mn) 4.0E0 lb/TBtu or 5.0E-2 lb/GWh.</p> <p>Nickel (Ni) 3.5E0 lb/TBtu or 4.0E-2</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		lb/GWh. Selenium (Se) 5.0E lb/TBtu or 6.0E-2 lb/GWh. Hydrogen chloride (HCl) 2.0E-3 lb/MMBtu or 2.0E-2 lb/MWh, OR Sulfur dioxide (SO ₂) 2.0E-1 lb/MMBtu or 1.5E0 lb/MWh. Mercury (HG) 1.2E0 lb/TBtu or 1.3E-2 lb/GWh.
	40 CFR Part 63, Subpart A (40 CFR 63.1 – 16)	Table 9 to Subpart UUUUU of 40 CFR Part 63 – Applicability of General Provisions to Subpart UUUUU shows which parts of the General Provisions in 40 CFR 63.1-16 apply.
f.	40 CFR Part 64	See b)(2)b- b)(2)c, d)(1), d)(2), e)(1), f)(1)c. and f)(2). Pursuant to 40 CFR 64.2(b), CAM will not apply to the MACT emission limitations or standards in 40 CFR Part 63, Subpart UUUUU after the compliance date in that rule.

(2) Additional Terms and Conditions

- a. OAC rule 3745-31-05(A)(3) did not apply to this modification [PTI #06-08190 issued 1/16/2007], based on OAC rule 3745-31-01(QQQ)(1)(b).

This permit allowed the voluntary installation of one flue gas desulfurization (FGD) scrubber for the control of SO₂ emissions on emissions units B001, B002, B003, B004 and B005. A permit to install was required to determine whether the air quality impacts associated with the installation of the new FGD unit exceeded the levels outlined in OAC rule 3745-31-01(QQQ)(1)(b). Because an environmentally beneficial exemption does not allow installation of a project that exceeds modeling thresholds, the installation of the scrubber required a permit to install.

- b. The permittee shall maintain a written quality assurance/quality control plan for the continuous opacity monitoring system, designed to ensure continuous valid and representative readings of opacity and compliance with 40 CFR Part 60, Appendix B, Performance Specification 1. The plan shall include, at a minimum, procedures for conducting and recording daily automatic zero/span checks,

provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring accurate operation of the continuous opacity monitoring system on a continuous basis. The quality assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

- c. The continuous opacity monitoring system consists of all the equipment used to acquire data and record opacity.
- d. At all times, the permittee shall maintain the monitoring equipment, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
- e. The permittee shall comply with the requirements of 40 CFR Part 63, Subpart UUUUU by no later than April 16, 2015, or on the date the emissions unit meets the definition of an EGU subject to this subpart. Additional compliance deadlines are specified in 40 CFR 63.9984.
- f. The permittee shall demonstrate that compliance has been achieved, by conducting the required performance tests and other activities, no later than October 13, 2015.
- g. The permittee shall maintain a written quality assurance/quality control plan for the continuous SO₂ monitoring system, designed to ensure continuous valid and representative readings of SO₂ emissions in units of the applicable standard(s). Except as allowed below, the plan shall follow the requirements of 40 CFR Part 60, Appendix F and 40 CFR Part 75, Appendix B. The quality assurance/quality control plan and a logbook dedicated to the continuous SO₂ monitoring system must be kept on site and available for inspection during regular office hours. The permittee may keep these records electronically (on or offsite), provided the record can be made readily available when requested by Ohio EPA.

The plan shall include the requirement to conduct relative accuracy test audits for the continuous SO₂ monitoring system in accordance with the frequencies required pursuant to 40 CFR Part 60 and 40 CFR Part 75; or may follow relative accuracy test audit frequency requirements for monitoring systems subject to 40 CFR 75, Appendix B, in lieu of frequencies required in 40 CFR Part 60. In either case, results shall be recorded and reported in units of the applicable standard(s) in accordance with 40 CFR Part 60.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits pursuant to 40 CFR Part 60, and linearity checks pursuant to 40 CFR Part 75; however, linearity checks completed pursuant to 40 CFR Part 75, Appendix B, may be substituted for the quarterly cylinder gas or relative accuracy audits required per 40 CFR Part 60.



- h. This existing source is not subject to Chapter OAC rule 3745-110 since Gallia County is not one of the counties listed under OAC rule 3745-110-02(A)(1)(b).

- i. The permittee shall develop a site-specific continuous monitoring system (CMS) performance evaluation test plan and shall submit a copy to both the Central Office and the District Office or local air agency of the Ohio EPA Division of Air Pollution Control (DAPC) for evaluation and/or approval. A performance evaluation of each CMS shall be conducted in accordance with the approved site-specific performance evaluation test plan. The test evaluation of the CMS(s) shall demonstrate the precision and accuracy of the equipment and completeness of the data collected. The site-specific performance evaluation test plan shall require all CMS (systems required by rule) be maintained in continuous operation during process operations. The performance evaluation test plan shall include the evaluation program objectives, an evaluation program summary, the performance evaluation schedule, data quality objectives, and both an internal and external quality assurance (QA) program.
 - i. The internal QA program shall include, at a minimum, the activities planned by routine operators and analysts to provide an assessment of CMS performance.

 - ii. The external QA program shall include, at a minimum, provisions for systems audits and validation of instrument calibrations, data collection, sample logging, and documentation of quality control data and field maintenance activities and must also address the following requirements:
 - (a) each CMS (parameter monitor or sampling probe) shall be installed at a location that accurately measures the exhaust emissions representative of the emissions unit (e.g., on or downstream of the last control device) and accurately measures the process and/or the control device parameters;

 - (b) performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and

 - (c) performance evaluation procedures and acceptance criteria, including calibration frequency, results, and records.

The permittee shall submit the site-specific performance evaluation test plan to the Central Office and District or local offices of the Ohio EPA DAPC at least 60 days before the performance test or performance evaluation is scheduled to begin, or by a mutually agreed upon (by DAPC Central Office) date. The DAPC may request additional relevant information following the review of a site-specific performance evaluation test plan. All CMS shall be installed, operational, and the data verified, as specified in the NESHAP, either prior to or in conjunction with conducting performance tests required under 40 CFR 63.7.



- j. The Director shall notify the permittee of the intention to deny approval of the site-specific test plan within 30 calendar days after receipt of the original plan or within 30 calendar days after receipt of any supplementary information requested by the Director. If the permittee is requesting an alternative test method or alternative method of determining compliance, the written approval of the Administrator of the US. EPA will need to be acquired and submitted, supporting the alternative method of compliance.

((Authority for terms: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, Appendix B, 40 CFR Part 60, Appendix F, and 40 CFR Part 75 and 40 CFR Part 64))

c) Operational Restrictions

- (1) For purposes of complying with air dispersion modeling requirements as depicted in Ohio EPA's Engineering Guide 69 dated 2003, the permittee has accepted the SO₂ emission rate listed in term b)(1)a. to show that this new allowable emission rate will not cause or contribute to a violation of a National Ambient Air Quality Standard (NAAQS) and/or Prevention of Significant Deterioration (PSD) increment violation based upon the permittee's air dispersion modeling information, submitted on September 18, 2006, and the Permit to Install application, submitted on September 18, 2006 to Ohio EPA.

(Authority for term: OAC rule 3745-77-07(C)(1))

- (2) The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart UUUUU, including the following sections:

63.9991(a)(1)	meet at all times each emission limit and work practice standard in Tables 1 through 3, except as provided in 63.10009
63.9991(a)(2)	meet at all times each operating limit in Table 4
63.9991(b)	administrator may approve alternative to work practice standards
63.9991(c)	alternate SO ₂ limit in Tables 1 and 2 to this subpart
63.10000(a)	must be in compliance with applicable emission limits and operating limits at all times, except during periods of startup and shutdown, and required to meet Table 3 work practice requirements during periods of startup and shutdown
63.10000(b)	must operate and maintain affected source, including associated air pollution control equipment and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions



63.10000(h)	requirements for an emissions unit that does not meet the definition of an EGU subject to this subpart on 4/16/2015 and later commences operation that causes the emissions unit to meet the definition of EGU in this subpart
63.10000(f), (g), (i), (j)	requirements following last date the unit met the definition of an EGU

(Authority for terms: OAC rule 3745-77-07(C)(1), and 40 CFR Part 63, Subpart UUUUU)

- (3) The permittee shall operate and maintain the EGUs, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times. The determination of whether such operation and maintenance procedures are being used will be based on information available to the Director (or his/her representative) which may include, but is not limited to: monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(Authority for terms: OAC rule 3745-77-07(C)(1), and 40 CFR Part 63, Subpart UUUUU)

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain on-site, the document of certification received from the U.S. EPA or the Ohio EPA's Central Office verifying that the continuous opacity monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. The letter/document of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

Each continuous monitoring system consists of all the equipment used to acquire and record data in units of all applicable standard(s), and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data processing hardware and software.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60 and 40 CFR Part 64)

- (2) The permittee shall operate and maintain the continuous opacity monitoring system to continuously monitor and record the opacity of the particulate emissions from this emissions unit. The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.

The permittee shall maintain records of data obtained by the continuous opacity monitoring system including, but not limited to:

- a. percent opacity on an instantaneous (one-minute) and 6-minute block average basis;
- b. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;
- c. hours of operation of the emissions unit, continuous opacity monitoring system, and control equipment;
- d. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous opacity monitoring system;
- e. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous opacity monitoring system; as well as,
- f. the reason (if known) and the corrective actions taken (if any) for each such event in (d) and (e).

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, Appendix B of 40 CFR 60, and 40 CFR Part 64)

- (3) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the emissions unit; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

(Authority for term: OAC rule 3745-77-07(C)(1), and 40 CFR Part 64)

- (4) If coal sampling and analysis is used to demonstrate compliance with the sulfur dioxide emission limitation, the permittee shall maintain records for each day of the total quantity of coal burned, the results of the analyses for ash content, sulfur content, and heat content, and the calculated sulfur dioxide emission rate (lb/mmBtu) in accordance with the following:

The permittee shall collect daily composite samples of the coal burned in this emissions unit. A sufficient number of individual samples shall be collected so that each composite sample is representative of the average quality of coal burned in this emissions unit during each calendar day. The coal sampling shall be performed in accordance with the most recent version of ASTM method D2234, Collection of a Gross Sample of Coal.

Each daily composite sample of coal shall be analyzed for ash content (percent), sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be the most recent version of: ASTM method D3174, Ash in the Analysis of Coal and Coke; ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the



Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isoperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval from the Ohio EPA Southeast District Office.

(Authority for term: 40 CFR Part 60, and OAC rule 3745-77-07(C)(1))

- (5) If a continuous sulfur dioxide monitoring system is used to demonstrate compliance with the sulfur dioxide emission limitation, the permittee shall operate and maintain equipment to continuously monitor and record sulfur dioxide emissions from this emissions unit in units of the applicable standard(s). Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 75.

Each continuous monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

The permittee shall maintain documentation from the USEPA or the Ohio EPA that the continuous sulfur dioxide monitoring system has been certified in accordance with 40 CFR Part 75. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous sulfur dioxide monitoring system: the average daily and rolling, 30-day average emission rates of sulfur dioxide in lb/mmBtu actual heat input, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments. In addition, the permittee shall maintain daily records of the total actual heat input values as determined through F-Factor and carbon dioxide/oxygen calculations as specified in 40 CFR Part 60, Appendix A, Method 19.

(Authority for term: 40 CFR Part 60, 40 CFR Part 75 and OAC rule 3745-77-07(C)(1))

- (6) Effective with the compliance date of April 16, 2015, the permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 63, Subpart UUUUU, including the following sections:

63.10000(d)	site specific monitoring plan requirements
63.10000(k)	monitoring systems necessary for newly applicable requirements resulting from cessation or recommencement of operations
63.10001(a)	affirmative defense
63.10005(j)	startup and shutdown requirements
63.10007(f)	availability of performance test records

63.10010(a)	continuous monitoring system requirements for CEMS, PM CPMS, and sorbent trap monitoring systems
63.10010(b)	installation requirements for O ₂ and CO ₂ monitoring systems
63.10010(c)	flow monitoring requirements
63.10010(d)	moisture monitoring requirements
63.10010(e)	HCl and/or HF CEMS requirements
63.10010(f)	SO ₂ CEMS requirements
63.10010(g)	Hg CEMS or sorbent trap monitoring system requirements
63.10010(h)	PM CPMS requirements
63.10010(i)	PM CEMS requirements
63.10010(j)	HAP metals CEMS requirements
63.10020(a)	monitor and collect data according to site-specific monitoring plan required by 63.10000(d)
63.10020(b)	monitoring system operation and quality assurance or quality control activities
63.10020(c)	use of data collected
63.10020(d)	deviations from monitoring requirements
63.10021(h)	keep records specified in 63.10032 during periods of startup and shutdown
63.10032(a)	recordkeeping requirements
63.10032(b)	CEMS and CPMS recordkeeping requirements
63.10032(c)	keep records required in Table 7 including records of all monitoring data and calculated averages for applicable PM CPMS operating limits
63.10032(d)	monthly fuel usage records, combusting secondary materials, LEE records
63.10032(e)	emissions averaging records



63.10032(f)	startup and shutdown records
63.10032(g)	malfunction records
63.10032(h)	records of actions taken to minimize malfunction period emissions
63.10032(i)	records of type(s) and amount(s) of fuel used during each startup and shutdown
63.10033(a)	records must be in a form readily available for expeditious review
63.10033(b)	records retention
63.10033(c)	location of records

- (7) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for visible particulate emissions is the opacity of the visible emissions from the exhaust stack as measured and recorded by the certified continuous opacity monitoring (COM) system. The visible particulate emissions indicator range is each three-hour block average with an opacity value greater than 10%. The three-hour block average opacity shall be based on the one-minute values recorded in d)(2)a. When the opacity value over the averaging period of the indicator range is greater than 10%, corrective action (including, but not limited to, an evaluation of the emissions unit and baghouse) shall be assessed and implemented as appropriate.

Upon detecting an excursion of the visible particulate emission indicator range listed above, the owner or operator shall restore operation of the emissions unit (including the control device) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as thorough response by the computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

If a determination is made by the Administrator or Ohio EPA that the permittee has not used acceptable procedures in response to an excursion or exceedance based on the results of a determination made under 40 CFR Part 64.7(d)(2), the permittee may be required to develop a Quality Improvement Plan (QIP) consistent with the requirements of 40 CFR Part 64.8.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 64]

- (8) After the compliance date specified in 40 CFR Part 63, Subpart UUUUU, the PM monitoring requirements specified in 40 CFR section 63.10010 may satisfy the monitoring requirements of 40 CFR Part 64 specified in d)(5), if the permittee chooses to comply with the PM emission limitation specified in Table 2 to 40 CFR Part 63, Subpart UUUUU. Since the CAM requirements of 40 CFR Part 64 will continue to apply after the date specified in 40 CFR Part 63, Subpart UUUUU, the CAM plan shall be revised at such time to be consistent with the MACT monitoring requirements, if the permittee chooses to comply with PM emission limitation specified in Table 2 to 40 CFR Part 63, Subpart UUUUU.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 64]

e) Reporting Requirements

- (1) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous opacity monitoring system:
- a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of opacity values in excess of any limitation specified in this permit, 40 CFR Part 60, OAC rule 3745-17-07, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude (percent opacity) of each 6-minute block average exceeding the applicable opacity limitation(s), as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance.
 - b. These quarterly reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall include the following:
 - i. the facility name and address;
 - ii. the manufacturer and model number of the continuous opacity monitor;
 - iii. a description of any change in the equipment that comprises the continuous opacity monitoring system (COMS), including any change to the hardware, changes to the software that may affect COMS readings, and/or changes in the location of the COMS sample probe;
 - iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;
 - v. the total operating time (hours) of the emissions unit;
 - vi. the total operating time of the continuous opacity monitoring system while the emissions unit was in operation;



- vii. the date, time, and duration of any/each malfunction** of the continuous opacity monitoring system, emissions unit, and/or control equipment;
- viii. the date, time, and duration of any downtime** of the continuous opacity monitoring system and/or control equipment while the emissions unit was in operation; and
- ix. the reason (if known) and the corrective actions taken (if any) for each event in (b)(vii) and (viii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no exceedance of the opacity limit has occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the quarterly EER report

** each downtime and malfunction event shall be reported regardless of whether there is an exceedance of the opacity limit

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

- (2) If a continuous sulfur dioxide monitoring system is used, the permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous SO₂ monitoring system:
 - a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the Ohio EPA Southeast District Office, documenting all instances of SO₂ emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, 40 CFR Part 75, OAC Chapter 3745-18, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s) on a rolling, 3-hour average basis.
 - b. These quarterly reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall include the following:
 - i. the facility name and address;
 - ii. the manufacturer and model number of the continuous SO₂ and other associated monitors;
 - iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;



- iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;
- v. the total SO₂ emissions for the calendar quarter (tons);
- vi. the total operating time (hours) of the emissions unit;
- vii. the total operating time of the continuous SO₂ monitoring system while the emissions unit was in operation;
- viii. results and dates of quarterly cylinder gas audits;
- ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));
- x. unless previously submitted, the results of any relative accuracy test audit showing the continuous SO₂ monitor out-of-control and the compliant results following any corrective actions;
- xi. the date, time, and duration of any/each malfunction** of the continuous SO₂ monitoring system and emissions unit;
- xii. the date, time, and duration of any downtime** of the continuous SO₂ monitoring system while the emissions unit was in operation; and
- xiii. the reason (if known) and the corrective actions taken (if any) for each event in b.xi and xii.

Each report shall address the operations conducted and data obtained during the previous calendar quarter. Data substitution procedures from 40 CFR Part 75 are not to be used for showing compliance with the short term OAC rule 3745-31-05(A)(3) rule-based or NSPS-based limitation(s) in this permit.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

** each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit

(Authority for term: OAC rule 3745-77-07(C)(1))

- (3) The permittee shall collect, record, and maintain measurements, data, records, and reports required per 40 CFR Part 75; and shall submit certification, recertification, notifications, applications, monitoring plans, petitions for alternative monitoring systems, electronic quarterly reports, and any other pertinent record and/or report to the Administrator (U.S. EPA), as required by this Part.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 75]



- (4) If the results of CAM monitoring or record keeping data indicate that the particulate emission limitations may have been exceeded, the permittee shall submit the results of that data, and document any corrective action taken to restore operation of the emissions unit, or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The reports shall be submitted in accordance with the Standard Terms and Conditions of this permit.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 64]

- (5) After the compliance date specified in 40 CFR Part 63, Subpart UUUUU, the reporting requirements specified in 40 CFR section 63.10031 may satisfy the reporting requirements of 40 CFR Part 64 specified in e)(3), if the permittee chooses to comply with the PM emission limitation specified in Table 2 to 40 CFR Part 63, Subpart UUUUU. Since the CAM requirements of 40 CFR Part 64 will continue to apply after the date specified in 40 CFR Part 63, Subpart UUUUU, the CAM plan shall be revised at such time to be consistent with the MACT reporting requirements, if the permittee chooses to comply with PM emission limitation specified in Table 2 to 40 CFR Part 63, Subpart UUUUU.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 64]

- (6) Effective with the compliance date of April 16, 2015, the permittee shall submit reports and other such notifications as are required pursuant to 40 CFR Part 63, Subpart UUUUU, per the following sections:

63.9984(c)	meet notification requirements in 63.10030 according to schedule in 63.10030 and in 40 CFR Part 63, Subpart A some notifications are due prior to the April 16, 2015 compliance date
63.10000(i)(2)	notification requirements for when EGU will cease complying with this subpart
63.10001(b)	affirmative defense notification requirements
63.10005(k)	submit Notification of Compliance Status per 63.10030
63.10006(j)	report results of performance tests and performance tune-ups within 60 days after completion
63.11011(e)	submit Notification of Compliance Status containing the results of the initial compliance demonstration
63.10021(f)	reporting requirements



63.10021(g)	reporting deviations from an applicable operating limit or operating limit in Tables 1 through 4
63.10021(i)	submit reports specified in 63.10031 concerning activities and periods of startup and shutdown
63.10030(a)	submit all notifications in 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply by the dates specified
63.10030(b)	Initial Notification submission deadline
63.10030(d)	Notification of Intent to conduct a performance test submittal requirement
63.10030(e)	Notification of Compliance Status submittal requirements
63.10031(a)	submit each report in Table 8 that applies, and, if you are required or elect to continuously monitor Hg and/or HCl, and/or HF emissions, submit the electronic reports required under Appendix A and/or B at the specified frequency
63.10031(b)	reporting schedule
63.10031(c)	compliance report content
63.10031(d)	compliance report content when using a CMS
63.10031(e)	semiannual monitoring report
63.10031(f)	requirements for submitting performance test results to EPA's WebFIRE database
63.10031(g)	malfunction compliance report requirements

- (7) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(Authority for term: OAC rule 3745-77-07(C)(1))

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:



a. Emissions Limitation:

SO₂ emissions shall not exceed 1.2 lbs/MMBtu of actual heat input.

Applicable Compliance Method:

Ongoing compliance with the SO₂ emission limitations contained in this permit, 40 CFR Parts 60 and 75, and any other applicable standard(s) may be demonstrated through the data collected as required in the Monitoring and Record Keeping Section of this permit, and the recertification requirements of 40 CFR Part 60 and 40 CFR Part 75.

If required, the permittee shall demonstrate compliance with the allowable mass emission rate for SO₂ in accordance with the methods and procedures specified in 40 CFR Part 60.46.

b. Emissions Limitation:

Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

Ongoing compliance with the opacity limitation contained in this permit, 40 CFR Part 60, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60.

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

c. Emissions Limitation:

PE shall not exceed 0.10 lb/MMBtu actual heat input.

Applicable Compliance Method:

Compliance with the lb/MMBtu emission limitation shall be demonstrated through emission tests performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 5 or 17 and the procedures in 40 CFR Part 60.46 and OAC rule 3745-17-03(B)(9).

Ongoing compliance with the PM limitation contained in this permit, 40 CFR Part 60, and any other applicable standard(s) may be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit, and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60.



d. Emissions Limitation:

Emissions from the boiler stack shall not exceed:

0.03 lb/MMBtu (PM) or 0.30 lb/MWh (PM); OR
5.0E-5 lb/MMBtu or 5.0E-1 lb/GWh of Total non-Hg HAP metals; OR

Individual HAP metals:

Antimony (Sb) 8.0E-1 lb/TBtu or 8.0E-3 lb/GWh.
Arsenic (As) 1.1E0 lb/TBtu or 2.0 E-2 lb/GWh.
Beryllium (Be) 2.0E-1 lb/TBtu or 2.0E-3 lb/GWh.
Cadmium (Cd) 3.0E-1 lb/TBtu or 3.0E-3 lb/GWh.
Chromium (Cr) 2.8E0 lb/TBtu or 3.0E-2 lb/GWh.
Cobalt (Co) 8.0E-1 lb/TBtu or 8.0E-3 lb/GWh.
Lead (Pb) 1.2E0 lb/TBtu or 2.0E-2 lb/GWh.
Manganese (Mn) 4.0E0 lb/TBtu or 5.0E-2 lb/GWh.
Nickel (Ni) 3.5E0 lb/TBtu or 4.0E-2 lb/GWh.
Selenium (Se) 5.0E lb/TBtu or 6.0E-2 lb/GWh.
Hydrogen chloride (HCl) 2.0E-3 lb/MMBtu or 2.0E-2 lb/MWh, OR
Sulfur dioxide (SO₂) 2.0E-1 lb/MMBtu or 1.5E0 lb/MWh.
Mercury (HG) 1.2E0 lb/TBtu or 1.3E-2 lb/GWh.

Applicable Compliance Method:

Compliance with the applicable limit(s) shall be demonstrated in accordance with f)(3) below.

(Authority for terms: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63)

(2) Emission Testing Requirements

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PM.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) and emission factors:
 - i. for PE: 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.



- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity unless otherwise specified or approved by the Ohio EPA Southeast District Office..
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA's refusal to accept the results of the emission test(s).
- f. Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- g. A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office

(Authority for term: OAC rule 3745-77-07(C)(1))

- (3) Effective with the compliance date of April 16, 2015, the permittee shall comply with the applicable compliance requirements required under 40 CFR Part 63, Subpart UUUUU, including the following sections:

63.10000(c)(1)	initial performance testing requirements – testing is required for all pollutants to demonstrate compliance with applicable emission limits
63.10000(e)	perform periodic tune-ups according to 63.10021(e)
63.10005(a)	initial compliance demonstration requirements
63.10005(b)	initial performance testing requirements
63.10005(c)	establishing operating limits during initial compliance demonstration
63.10005(d)	CMS initial compliance demonstration requirements
63.10005(e), (f)	conduct performance tune-up according to 63.10021(e)

63.10005(h)	low emitting EGUs (LEE)
63.10006(a)	when using PM CPMS to monitor continuous performance, conduct testing according to Table 5 and 63.10007 at least every year
63.10006(b)	LEE repeat test frequency
63.10006(d)	HCl repeat testing requirements when the permittee does not use HCl CEMS to monitor compliance if an SO ₂ CEMS to monitor compliance with an alternate equivalent SO ₂ emission limit
63.10006(f)	repeat testing frequency requirements
63.10006(g)	repeat testing requirements when using emissions averaging compliance option
63.10006(h)	repeat testing requirements for when non-mercury LEE shows emissions greater than 50% of limit
63.10006(i)	if required to meet tune-up work practice standard, conduct performance tune-up according to 63.10021(e)
63.10007(a)	requirements for performance tests; conduct tests according to 63.7(d), (e), (f), and (h); and develop site-specific test plan according to 63.7(c)
63.10007(b)	conduct each performance test (including traditional 3-run test and 30-boiler operating day tests based on CEMS) according to Table 5
63.10007(c)	establishing operating limits when using PM CPMS
63.10007(d)	conducting performance tests
63.10007(e)	using performance testing to determine compliance with applicable Table 1 or 2 emission limits
63.10009(a)	emissions averaging compliance option
63.10009(b)	equations for EGU emissions averaging group
63.10009(c)	emissions averaging EGU groups venting to separate stacks
63.10009(d)	emissions averaging provisions for each EGU in the averaging group

63.10009(e)	emissions averaging compliance schedule
63.10009(f)	emissions averaging group eligibility demonstration
63.10009(g)	determining the weighted rolling average emissions rate
63.10009(h)	using a CEMS or sorbent trap to demonstrate compliance with emissions averaging
63.10009(i)	demonstrating compliance with emissions averaging through manual emission testing
63.10009(j)	emissions averaging plan
63.10009(k), (l), (m), (n)	emissions averaging with a common stack
63.10011(a)	demonstrate initial compliance with each emission limitation that applies by performance testing
63.10011(b)	establish an operating limit in accordance with Table 4 when using a PM CPMS
63.10011(c)(1)	initial performance test when using a CEMS or sorbent trap to measure HAP
63.10011(d)	deviations from the monitoring requirements
63.10011(f)	determine cleanest fuel for burning during startup and shutdown periods
63.10011(g)	follow startup and shutdown requirements in Table 3
63.10021(a)	demonstrate continuous compliance with each emissions limit, operating limit, and work practice standard in Tables 1 through 4 according to Tables 6 and 7 and 63.10021(b) through (g)
63.10021(b)	demonstration of compliance when using a CEMS to measure SO ₂ , PM, HCl, HF, or Hg emissions
63.10021(c)	demonstrating compliance when using a PM CPMS to measure compliance with an operating limit in Table 4
63.10021(d)	using quarterly stack testing to demonstrate compliance with one or more limits in Table 1 or 2



63.10021(e)	periodic performance tune-up requirements
63.10022(a)	continuous compliance provisions
63.10022(b)	continuous monitoring requirement deviations
63.10023(a)	recording PM CPMS output values during performance testing
63.10023(b)	determining PM CPMS operating limit
63.10023(c)	operate and maintain process and control equipment such that the 30 operating day average PM CPMS output does not exceed the operating limit

(Authority for term: 40 CFR Part 63, Subpart UUUUU and OAC rule 3745-77-07(C)(1))

g) Miscellaneous Requirements

- (1) Any amendment to Part 63 Subpart UUUUU shall supersede the compliance limitations and/or options contained in this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))