



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

2/22/2016

Randall Newberry  
DP&L, J.M. Stuart Generating Station  
P.O. Box 468  
Aberdeen, OH 45101

Certified Mail  
Facility ID: 0701000007  
Permit Number: P0117817  
County: Adams

RE: DRAFT AIR POLLUTION CONTROL TITLE IV ACID RAIN PERMIT  
Permit Type: Renewal

Dear Permit Holder:

A draft of the OAC Chapter 3745-103 Title IV 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 EPA Weekly Review and the local newspaper, The Peoples Defender. A copy of the public notice and the draft permit are enclosed. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page <http://www.epa.ohio.gov/dapc> in Microsoft Word and Adobe Acrobat format. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to:

Dana Thompson  
Permit Review/Development Section  
Ohio EPA, DAPC  
P.O. Box 1049  
Columbus, Ohio 43216-1049

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 in writing if a public hearing is scheduled. A decision on processing the Title IV 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 IV permit and another opportunity to comment prior to the 45-day Proposed Title IV 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 Dana Thompson at (614) 644-3701.

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*  
Portsmouth; 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](mailto:HClerk@epa.ohio.gov)

Draft Title IV Permit Renewal  
DP&L, J.M. Stuart Generating Station  
745 U.S. Route 52,, Aberdeen, OH 45101  
ID#: P0117817

Date of Action: 2/22/2016

Permit Desc: Acid Rain renewal.

The permit and complete instructions for requesting information or submitting comments may be obtained at: <http://epa.ohio.gov/dapc/permitsonline.aspx> by entering the ID # or: Dana Thompson, Ohio EPA, DAPC, P.O. Box 1049, Columbus, Ohio 43216. Ph: (614)644-3701.





**DRAFT**

**Division of Air Pollution Control  
Title IV Acid Rain Permit  
OAC Chapter 3745-103  
for  
DP&L, J.M. Stuart Generating Station**

Facility ID: 0701000007  
Permit Number: P0117817  
Permit Type: Renewal  
Issued: 2/22/2016  
Effective: To be entered upon final issuance  
Expiration: To be entered upon final issuance





**Title IV Acid Rain Permit**  
**OAC Chapter 3745-103**  
DP&L, J.M. Stuart Generating Station

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**Draft Title IV Acid Rain Permit**  
**Permit Number:** P0117817  
**Facility ID:** 0701000007  
**Effective Date:** To be entered upon final issuance

## Authorization

Facility ID: 0701000007  
Facility Description: Electric Generating Station  
Application Number(s): A0051975  
Permit Number: P0117817  
Permit Description: Acid Rain renewal  
Permit Type: Renewal  
Issue Date: 2/22/2016  
Effective Date: To be entered upon final issuance  
Expiration Date: To be entered upon final issuance

This document constitutes issuance of an OAC Chapter 3745-103 Title V permit to:

DP&L, J.M. Stuart Generating Station  
745 U.S. Route 52  
Aberdeen, OH 45101

The above named entity is hereby granted a Title IV acid rain permit pursuant to Chapter 3745-103 of the Ohio Administrative Code. This permit 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. It is the permittee's responsibility to renew this permit even if no notice of its expiration is received. If a renewal permit is not issued prior to the expiration date, the permittee may continue to follow the terms and conditions in the permit pursuant to OAC rule 3745-103-08(A) provided that a complete renewal application is submitted for each source at least six months prior to the expiration date as required by OAC rule 3745-103-07(A).

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler  
Director



**Draft Title IV Acid Rain Permit**  
**Permit Number:** P0117817  
**Facility ID:** 0701000007  
**Effective Date:** To be entered upon final issuance

## **A. Standard Terms and Conditions**



**1. Statement of Basis**

- a) In accordance with Ohio Revised Code Section 3704 and Titles IV and V of the Clean Air Act, the Ohio Environmental Protection Agency issues this permit pursuant to Ohio Administrative Code (OAC) Chapters 3745-103 and 3745-77.

**2. Permit Application**

- a) Attached as part of this permit is the permittee's Title IV Acid Rain Permit Application (See Appendix A). The application contains additional conditions, terms and limitations that must be met and that are a part of this permit. The application identifies the affected source, affected units, and specifies standard requirements (Permit Requirements, Monitoring Requirements, Sulfur Dioxide Requirements, Nitrogen Oxides Requirements, Excess Emissions Requirements, Record keeping and Reporting Requirements, Liability, and Effect on Other Authorities).



**Draft Title IV Acid Rain Permit**  
**Permit Number:** P0117817  
**Facility ID:** 0701000007  
**Effective Date:** To be entered upon final issuance

## **B. Emissions Unit Terms and Conditions**

**1. B001**  
**ORIS Code: 2850**

**Acid Rain Program Description:**

Unit 1

a) Sulfur Dioxide (SO<sub>2</sub>) Allowance Allocations

The owners and operators of each source and each affected unit at the sources shall:

- (1) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
- (2) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

b) Nitrogen Oxides (NO<sub>x</sub>) Requirements

- (1) Pursuant to rules 3745-103-55 through 3745-103-66 of the Administrative Code, the Ohio EPA approves a NO<sub>x</sub> emissions averaging plan for this unit, effective for calendar years 2015 through 2019. Under the averaging plan, this unit's NO<sub>x</sub> emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.68 lb/mmBtu.
- (2) Under the averaging plan, the actual Btu-weighted annual average NO<sub>x</sub> emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO<sub>x</sub> emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under OAC rules 3745-103-57, 3745-103-58, or 3745-103-59, except that for any early election units, the applicable emission limitations shall be under OAC rule 3745-103-59. If the designated representative demonstrates that the requirement of the prior sentence as set forth in OAC rule 3745-103-63(D)(1)(b)(i) is met for a year under the averaging plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.
- (3) In addition to the described NO<sub>x</sub> compliance plans, this unit shall comply with all other applicable requirements of OAC rules 3745-103-55 through 3745-103-66, including the duty to reapply for a NO<sub>x</sub> compliance plan and requirements covering excess emissions.
- (4) The requirements in this permit are designed to meet Title IV of the Clean Air Act and the corresponding regulations of U.S. EPA and Ohio EPA. This source is also required to meet any applicable requirements of OAC rules 3745-14-01 through 3745-14-12.

c) Comments, Notes, and Justifications

- (1) None.

**2. B002**  
**ORIS Code: 2850**

**Acid Rain Program Description:**

Unit 2

a) Sulfur Dioxide (SO<sub>2</sub>) Allowance Allocations

The owners and operators of each source and each affected unit at the sources shall:

- (1) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
- (2) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

b) Nitrogen Oxides (NO<sub>x</sub>) Requirements

- (1) Pursuant to rules 3745-103-55 through 3745-103-66 of the Administrative Code, the Ohio EPA approves a NO<sub>x</sub> emissions averaging plan for this unit, effective for calendar years 2015 through 2019. Under the averaging plan, this unit's NO<sub>x</sub> emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.68 lb/mmBtu.
- (2) Under the averaging plan, the actual Btu-weighted annual average NO<sub>x</sub> emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO<sub>x</sub> emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under OAC rules 3745-103-57, 3745-103-58, or 3745-103-59, except that for any early election units, the applicable emission limitations shall be under OAC rule 3745-103-59. If the designated representative demonstrates that the requirement of the prior sentence as set forth in OAC rule 3745-103-63(D)(1)(b)(i) is met for a year under the averaging plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.
- (3) In addition to the described NO<sub>x</sub> compliance plans, this unit shall comply with all other applicable requirements of OAC rules 3745-103-55 through 3745-103-66, including the duty to reapply for a NO<sub>x</sub> compliance plan and requirements covering excess emissions.
- (4) The requirements in this permit are designed to meet Title IV of the Clean Air Act and the corresponding regulations of U.S. EPA and Ohio EPA. This source is also required to meet any applicable requirements of OAC rules 3745-14-01 through 3745-14-12.

c) Comments, Notes, and Justifications

- (1) None.

**3. B003**  
**ORIS Code: 2850**

**Acid Rain Program Description:**

Unit 3

a) Sulfur Dioxide (SO<sub>2</sub>) Allowance Allocations

The owners and operators of each source and each affected unit at the sources shall:

- (1) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
- (2) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

b) Nitrogen Oxides (NO<sub>x</sub>) Requirements

- (1) Pursuant to rules 3745-103-55 through 3745-103-66 of the Administrative Code, the Ohio EPA approves a NO<sub>x</sub> emissions averaging plan for this unit, effective for calendar years 2015 through 2019. Under the averaging plan, this unit's NO<sub>x</sub> emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.68 lb/mmBtu.
- (2) Under the averaging plan, the actual Btu-weighted annual average NO<sub>x</sub> emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO<sub>x</sub> emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under OAC rules 3745-103-57, 3745-103-58, or 3745-103-59, except that for any early election units, the applicable emission limitations shall be under OAC rule 3745-103-59. If the designated representative demonstrates that the requirement of the prior sentence as set forth in OAC rule 3745-103-63(D)(1)(b)(i) is met for a year under the averaging plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.
- (3) In addition to the described NO<sub>x</sub> compliance plans, this unit shall comply with all other applicable requirements of OAC rules 3745-103-55 through 3745-103-66, including the duty to reapply for a NO<sub>x</sub> compliance plan and requirements covering excess emissions.
- (4) The requirements in this permit are designed to meet Title IV of the Clean Air Act and the corresponding regulations of U.S. EPA and Ohio EPA. This source is also required to meet any applicable requirements of OAC rules 3745-14-01 through 3745-14-12.

c) Comments, Notes, and Justifications

- (1) None.

**4. B004**  
**ORIS Code: 2850**

**Acid Rain Program Description:**

Unit 4

a) Sulfur Dioxide (SO<sub>2</sub>) Allowance Allocations

The owners and operators of each source and each affected unit at the sources shall:

- (1) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
- (2) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

b) Nitrogen Oxides (NO<sub>x</sub>) Requirements

- (1) Pursuant to rules 3745-103-55 through 3745-103-66 of the Administrative Code, the Ohio EPA approves a NO<sub>x</sub> emissions averaging plan for this unit, effective for calendar years 2015 through 2019. Under the averaging plan, this unit's NO<sub>x</sub> emissions shall not exceed the annual average alternative contemporaneous emission limitation of 0.60 lb/mmBtu, and this unit shall not have an annual heat input less than 34,700,000 mmBtu.
- (2) Under the averaging plan, the actual Btu-weighted annual average NO<sub>x</sub> emission rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO<sub>x</sub> emission rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations under OAC rules 3745-103-57, 3745-103-58, or 3745-103-59, except that for any early election units, the applicable emission limitations shall be under OAC rule 3745-103-59. If the designated representative demonstrates that the requirement of the prior sentence as set forth in OAC rule 3745-103-63(D)(1)(b)(i) is met for a year under the averaging plan, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.
- (3) In addition to the described NO<sub>x</sub> compliance plans, this unit shall comply with all other applicable requirements of OAC rules 3745-103-55 through 3745-103-66, including the duty to reapply for a NO<sub>x</sub> compliance plan and requirements covering excess emissions.
- (4) The requirements in this permit are designed to meet Title IV of the Clean Air Act and the corresponding regulations of U.S. EPA and Ohio EPA. This source is also required to meet any applicable requirements of OAC rules 3745-14-01 through 3745-14-12.

c) Comments, Notes, and Justifications

- (1) None.



# Acid Rain NO<sub>x</sub> Compliance Plan

For more information, see instructions and refer to 40 CFR 76.9

Page 1

This submission is:  New  Revised

Page **1** of **2**

**STEP 1**  
Indicate plant name, State, and Plant code from the current Certificate of Representation covering the facility.

J.M. Stuart Station	Ohio	2850
Plant Name	State	Plant Code

**STEP 2**

Identify each affected Group 1 and Group 2 boiler using the unit IDs from the current Certificate of Representation covering the facility. Also indicate the boiler type: "CB" for cell burner, "CY" for cyclone, "DBW" for dry bottom wall-fired, "T" for tangentially fired, "V" for vertically fired, and "WB" for wet bottom, and select the compliance option for each unit by making an 'X' in the appropriate row and column.

	ID# 1	ID# 2	ID# 3	ID# 4	ID#	ID#
	Type CB	Type CB	Type CB	Type CB	Type	Type
(a) Standard annual average emission limitation of 0.50 lb/mmBtu (for Phase I dry bottom wall-fired boilers)						
(b) Standard annual average emission limitation of 0.45 lb/mmBtu (for Phase I tangentially fired boilers)						
(c) Standard annual average emission limitation of 0.46 lb/mmBtu (for Phase II dry bottom wall-fired boilers)						
(d) Standard annual average emission limitation of 0.40 lb/mmBtu (for Phase II tangentially fired boilers)						
(e) Standard annual average emission limitation of 0.68 lb/mmBtu (for cell burner boilers)						
(f) Standard annual average emission limitation of 0.86 lb/mmBtu (for cyclone boilers)						
(g) Standard annual average emission limitation of 0.80 lb/mmBtu (for vertically fired boilers)						
(h) Standard annual average emission limitation of 0.84 lb/mmBtu (for wet bottom boilers)						

STEP 2, cont'd

J.M. Stuart Station Plant Name (From Step 1)
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	ID# 1	ID# 2	ID# 3	ID# 4	ID#	ID#
	Type CB	Type CB	Type CB	Type CB	Type	Type
(i) NO <sub>x</sub> Averaging Plan (include NO <sub>x</sub> Averaging form)	X	X	X	X		
(j) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(A) (check the standard emission limitation box above for most stringent limitation applicable to any unit utilizing stack)						
(k) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(B) with NO <sub>x</sub> Averaging (check the NO <sub>x</sub> Averaging Plan box and include NO <sub>x</sub> Averaging Form )						
(l) EPA-approved common stack apportionment method pursuant to 40 CFR 75.17(a)(2)(i)(C), (a)(2)(iii)(B), or (b)(2)						

STEP 3: Identify the first calendar year in which this plan will apply.

January 1, 2015
-----------------

STEP 4: Read the special provisions and certification, enter the name of the designated representative, sign and date.

**Special Provisions**

General. This source is subject to the standard requirements in 40 CFR 72.9. These requirements are listed in this source's Acid Rain Permit.

**Certification**

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name Bradley Scott, Regional Director - PJM, US SBU Service Company	
Signature 	Date 10/7/14