west virginia department of environmental protection
Division of Air Quality

Phase II Acid Rain Permit

Plant Name: **Big Sandy Peaker Plant**		Permit #: **R33-55284-2020-4**
Affected Unit(s): **GS01, GS02, GS 03, GS04, GS05, GS06, GS07, GS08, GS09, GS10, GS11, GS12**		
Operator: **Big Sandy Peaker Plant, LLC**		ORIS Code: **55284**
Effective Date	From: **January 1, 2016**	To: **December 31, 2020**

Contents:

1. Statement of Basis.

2. SO_2 allowances allocated under this permit and NO_x requirements for each affected unit.

3. Comments, notes and justifications regarding permit decisions and changes made to permit application forms during the review process, and any additional requirements or conditions.

4. The permit application forms submitted for this source, as corrected by the West Virginia Division of Air Quality. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

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1. Statement of Basis

Statutory and Regulatory Authorities: In accordance with W. Va. Code §22-5-4(a)(16) and Titles IV and V of the Clean Air Act, the West Virginia Department of Environmental Protection, Division of Air Quality issues this permit pursuant to 45CSR33 and 45CSR30.

Permit Approval

Draft/Proposed

William F. Durham, Director
Division of Air Quality

Date

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS01**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS02**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS03**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS04**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS05**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS06**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS07**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS08**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS09**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS010**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS11**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

Plant Name: **Big Sandy Peaker Plant**	Permit #: **R33-55284-2020-4**

2. SO_2 Allocations for each affected unit

Unit No. **GS12**					
SO_2 Allowances	**Year**				
	2016	**2017**	**2018**	**2019**	**2020**
Table 2 allowances, as adjusted by 40 CFR Part 73	N/A*	N/A*	N/A*	N/A*	N/A*
Repowering plan allowances	N/A	N/A	N/A	N/A	N/A

* This unit was not eligible for an initial allocation of SO_2 allowances under 40 CFR Part 73, but may acquire such allowances from other sources. This unit is still obligated to hold SO_2 allowances as required under and in accordance with 40 CFR §72.9(c)(1). Allocations and transfers to, as well as deductions from, a unit's allowance account do not necessitate a revision to this permit (see 40 CFR §72.84).

3. Comments, notes and justifications regarding decisions, and changes made to the permit application forms during the review process:

None.

4. Permit application forms:

Attached.

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2012

Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ New ☐ Revised ☒ for ARP permit renewal

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Facility (Source) Name	State	Plant Code
Big Sandy Peaker Plant, LLC	WV	55284

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
GS01	Yes
GS02	Yes
GS03	Yes
GS04	Yes
GS05	Yes
GS06	Yes
GS07	Yes
GS08	Yes
GS09	Yes
GS010	Yes
GS11	Yes
GS12	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

Facility (Source) Name (from STEP 1)

Permit Requirements

STEP 3

Read the standard requirements.

(1) The designated representative of each affected source and each affected unit at the source shall:

(i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;

(2) The owners and operators of each affected source and each affected unit at the source shall:

(i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and

(ii) Have an Acid Rain Permit.

Monitoring Requirements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.

(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.

(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall:

(i) 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

(ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.

(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:

(i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or

(ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

Facility (Source) Name (from STEP 1)

Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
(ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
(i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission

Facility (Source) Name (from STEP 1)

of a new certificate of representation changing the designated representative;

STEP 3, Cont'd.

Recordkeeping and Reporting Requirements, Cont'd.

(ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
(iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:
(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with

Facility (Source) Name (from STEP 1)

any other provision of the Act, including the provisions of title I of the Act relating

STEP 3, Cont'd.

Effect on Other Authorities, Cont'd.

to applicable National Ambient Air Quality Standards or State Implementation Plans;
(2) Limiting the number of allowances a source can hold; *provided,* that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4
Read the certification statement, sign, and date.

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 Todd S Jonas	
Signature Todd S Jonas	Date October 20, 2015