

West Virginia Department of Environmental Protection

Austin Caperton  
Cabinet Secretary

# Title V Operating Permit Revision



## For Administrative Amendment Permitting Action Under 45CSR30 and Title V of the Clean Air Act

**Permit Action Number:** AA01 **SIC:** 4911  
**Name of Permittee:** Allegheny Energy Supply Company, LLC  
**Facility Name/Location:** Willow Island Power Station  
**County:** Pleasants  
**Permittee Mailing Address:** P.O. Box 18, Willow Island, WV 26134

**Description of Permit Revision:** This administrative amendment is to transfer ownership of eight (8) pieces of coal equipment from the Willow Island Power Station to the Pleasants Power Station.

**Title V Permit Information:**

**Permit Number:** R30-07300005-2019 (2 of 2)  
**Issued Date:** April 9, 2019  
**Effective Date:** April 23, 2019  
**Expiration Date:** April 9, 2024

**Directions To Facility:** From Charleston take Interstate 77 North to Exit 179. Travel north on State Route 2 approximately 7 miles to Willow Island. Facility is located on the left in Willow Island, Pleasants County.

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THIS PERMIT REVISION IS ISSUED IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL ACT (W.VA. CODE §§ 22-5-1 ET SEQ.) AND 45CSR30 - "REQUIREMENTS FOR OPERATING PERMITS." THE PERMITTEE IDENTIFIED AT THE FACILITY ABOVE IS AUTHORIZED TO OPERATE THE STATIONARY SOURCES OF AIR POLLUTANTS IDENTIFIED HEREIN IN ACCORDANCE WITH ALL TERMS AND CONDITIONS OF THIS PERMIT.

A handwritten signature in blue ink, appearing to read "Laura M. Crowder".

Laura M. Crowder  
Director, Division of Air Quality

October 31, 2019

Date Issued

## 1.0 Emission Units and Active R13, R14, and R19 Permits

### 1.1 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device*
<b>Willow Island Combustion Sources</b>					
Unit W1	StackW1	Willow Island Unit 1	1948	619 MMBtu/hr	ESP1W
Unit W2	StackW2	Willow Island Unit 2	1959	1605 MMBtu/hr	ESP2W
Aux Blr W3A	Aux Blr Stk W1	Willow Island Auxiliary Boiler 3A	1989	19.89 MMBtu/hr	N/A
Aux Blr W3B	Aux Blr Stk W1	Willow Island Auxiliary Boiler 3B	1989	19.89 MMBtu/hr	N/A
Emer Gen WA	W39	Willow Island Diesel Emergency Generator A (600 Hp, 400 kW)	1974	4.22MMBtu/hr	N/A
WIL FP-1	WIL FP-1	Willow Island Diesel Fire Pump 1 (340 Hp)	2007	33 Gal/hr	N/A
<b>Willow Island Material Handling Sources</b>					
GF-C2	GF-C2	Limestone Gravimetric Feeder and Hopper, and Transfer Point	1986	40 TPH 300 TPH	Partial Enclosure
<del>BC-3</del>	<del>BC-3</del>	<del>Barge Unloading to Surge Bin (conveyor and transfer point)</del>	<del>1986</del>	<del>3500 TPH</del>	<del>Partial Enclosure</del>
VF-A1, VF-A2	VF-A1, VF-A2	Vibrating Feeders under Railcar Dumper (coal to conveyor)	1976	500 TPH each	Partial Enclosure
<del>BF-1</del>	<del>BF-1</del>	<del>Belt feeder under Surge Bin to BC-4 (conveyor and transfer points)</del>	<del>1986</del>	<del>500 TPH</del>	<del>Partial Enclosure</del>
<del>BC-4</del>	<del>BC-4</del>	<del>Surge Bin to Sample House (conveyor and transfer point)</del>	<del>1986</del>	<del>500 TPH</del>	<del>Partial Enclosure</del>
RCRU-1	RCRU-1	Rail Car Unload and Transfer to Vibrating Feeders	1976	3500 TPH	Partial Enclosure
BC-A	BC-A	Rail Car Dumper to Sample House (conveyor and transfer point)	1976	750 TPH	Partial Enclosure
SHTP	SHTP	Sample System Transfer Point (coal to conveyor)	1949	500 TPH	Partial Enclosure
<del>TC-1</del>	<del>TC-1</del>	<del>Sample House to Surge Bin (conveyor and transfer point)</del>	<del>1976</del>	<del>1000 TPH</del>	<del>Partial Enclosure</del>
No. 1	No. 1	Sample House to Crusher House (conveyor and transfer point)	1949	500 TPH	Partial Enclosure
No. 1a	No. 1a	Crusher Bypass Conveyor and transfer points	2007	500 TPH	Partial Enclosure
Wcru01, Wcru02, Wcru03	Wcru01, Wcru02, Wcru03	Crushers and Transfer Points (coal to conveyors)	1949	500 TPH	Partial Enclosure

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device*
Collector Conveyor	Collector Conveyor	Conveyor and Transfer Point (coal from crushers to conveyor)	1976	500 TPH	Partial Enclosure
No. 3	No. 3	Crusher House to BC-B (conveyor and transfer point)	1949	500 TPH	Partial Enclosure
BC-B	BC-B	Conveyor and Transfer Point (coal to stockpile)	1976	500 TPH	Partial Enclosure
<del>WStockpile 1</del>	<del>WStockpile 1</del>	<del>Coal Stockpile (wind erosion, reclaim to conveyor, grading, dozing, pan load)</del>	<del>1949</del>	<del>100,000 tons</del>	<del>N/A</del>
VF-8	VF-8	Reclaim Feeder and Transfer Points (coal to conveyor)	1976	500 TPH	Partial Enclosure
BC-C	BC-C	Conveyor and Transfer Point (stockpile to conveyor)	1976	500 TPH	Partial Enclosure
Transfer Conveyor	Transfer Conveyor	Conveyor and Transfer Points (coal to conveyor)	1976	500 TPH	Partial Enclosure
No. 2	No. 2	To Coal Bunkers from Stockpile or Crusher House (conveyor and transfer points)	1949	500 TPH	Partial Enclosure
No. 2A	No. 2A	Conveyor and Transfer Points (coal to bunkers)	1949	500 TPH	Partial Enclosure
Fly Ash Silo	Fly Ash Silo	Fly Ash Silo (Unit 1 & Unit 2)	N/A	N.A	N.A
Rotary Unloader 1, Rotary Unloader 2	Rotary Unloader 1, Rotary Unloader 2	Fly Ash Rotary Unloaders	N/A	N/A	N/A
WI Coal Bunkers	WI Coal Bunkers	Coal Bunkers for Unit 1 and 2	1949	500 TPH	DC-CB
WI Coal Feeders	WI Coal Feeders	Screw feeder for Units 1 and 2 (Bunkers to boilers)	1949	500 TPH	DC-CF
WHaul Road	WHaul Road	Material Haul Roads, Fly Ash and Bottom Ash Haul Roads	N/A	N/A	Vacuum Sweeping, Watering, Dust Suppressant

## 1.2. Active R13, R14, and R19 Permits

The underlying authority for any conditions from R13, R14, and/or R19 permits contained in this operating permit is cited using the original permit number (e.g. R13-1234). The current applicable version of such permit(s) is listed below.

Permit Number	Date of Issuance
R13-1099	05/09/1989