

## STATEMENT OF BASIS

Title V Air Operation Permit Renewal  
Permit No. 0570039-157-AV

### APPLICANT

The applicant for this project is Tampa Electric Company. The applicant's responsible official and mailing address are: Mr. James Williams, Director, Tampa Electric Company, Big Bend Station, 13031 Wyandotte Road, Gibsonton, Florida 33534-5833.

### FACILITY DESCRIPTION

The applicant operates the existing Big Bend Station, which is located in Hillsborough County at 13031 Wyandotte Road, Gibsonton, Florida.

Tampa Electric Company (TECO), Big Bend Station, is a nominal 1,668 megawatt (MW) electric generation facility, which is classified under Standard Industrial Classification Code No. 4911. The facility consists of a fossil fuel fired utility boiler, SGU 4 (Unit 4); two steam turbines; a simple cycle combustion turbine (SCCT) generator peaking unit set consisting of two SCCT (SCCT CT-4A and CT-4B); a combined cycle combustion turbine (CCCT) generator set consisting of two SCCT (CT-5 and CT-6) and heat recovery steam generators (HRSG) connected to a single steam turbine generator that can operate in simple cycle and combined cycle modes; solid fuels, fly ash, limestone, gypsum, slag, bottom ash storage and handling facilities; and fuel oil storage tanks. Unit 4 is fired with natural gas only, solid fuel only, or co-fired natural gas and solid fuels consisting of: coal, petroleum coke with a maximum of 20% by weight, solid fuel blends or solid fuel residual blends. The SCCT (CT-4A and CT-4B) are fired with natural gas and ultra-low sulfur diesel (ULSD). CT-5 and CT-6 are fired exclusively with natural gas. The natural gas distribution system for Unit 4 is supported by two natural gas-fired process heaters. The facility is also supported by five diesel engine driven emergency generators and a surface coating operations for miscellaneous metal parts used by the facility.

This facility also includes miscellaneous unregulated/insignificant emissions units and/or activities.

### REGULATED EMISSIONS UNIT IDENTIFICATION NUMBERS AND DESCRIPTIONS

EU No.	Emission Unit Description
<i>Regulated Emissions Units</i>	
<i>Fossil Fuel Fired Steam Generator Unit</i>	
004	Steam Generating Unit 4
<i>Simple Cycle Combustion Turbines</i>	
041	SCCT-4A
042	SCCT-4B
<i>Simple-Cycle and Combined Cycle Combustion Turbines</i>	
058	Simple Cycle CT-5
059	Simple Cycle CT-6
060	Combined Cycle CT-5
061	Combined Cycle CT-6
<i>Solid Fuel Yard</i>	
010	Solid Fuel and Limestone Unloading and Handling Operations
029	Fuel Blending Bin Cyclone Collectors
030	Fuel Mill Cyclone Collectors
046	Transloading and Off-site Transfer of Solid Fuels and Slag
047	Railcar Unloading and Conveying System
048	Supplemental Material Handling J3 Conveyor System

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EU No.	Emission Unit Description
<i>Coal Bunker with Roto-Clone</i>	
039	Unit 4 Coal Bunker with Roto-Clone
<i>Limestone Handling and Storage</i>	
012	Limestone Silo A and Baghouses (2)
013	Limestone Silo B and Baghouses (2)
023	Limestone Conveyor LB/LC and Baghouse
050	Limestone Conveyor LD/LE and Baghouse
<i>Limestone Handling for Flue Gas Desulfurization (FGD) System</i>	
020	Limestone Conveyors LE/LF/LG/Silo C Belt Feeder Baghouse
021	Silo C and Baghouse
<i>Fly Ash Handling and Storage Silo No. 3</i>	
014	Fly Ash Silo No. 3 and Baghouse
<i>Surface Coating Operations</i>	
032	Surface Coating of Miscellaneous Metal Parts
<i>CI ICE</i>	
043	SCCT4 Emergency Diesel Generator (1,495 brake horsepower (HP))
044	Administrative Emergency Diesel Generator (1,194 HP)
057	CT-5 & CT-6 Emergency Diesel Generator (1,474 HP)
064	Steam Turbine No. 1 (ST1) Emergency Diesel Generator (762 HP)
065	Unit 4 Emergency Diesel Generator (1,865 HP)
<i>Process Heaters</i>	
051	Process Heaters No. 1
063	Process Heaters No. 2
<i>Unregulated Emissions Units and/or Activities</i>	
036	Slag and Bottom Ash Sources BH-001 through BH-004
	Gypsum Handling and Storage Sources GH-001 through GH-017
	No. 2 Fuel Oil Storage Tanks > 550 gallons
	Vehicle Refueling Operations
045	FGD Area Emergency Diesel Generator (550 HP) and Fire Pump Diesel Engine (596 HP)
062	Mechanical Draft Cooling Tower for Combined Cycle Unit

### APPLICABLE REGULATIONS

Based on the Title V air operation permit renewal application received on September 13, 2024, this facility is a major source of hazardous air pollutants (HAP). The existing facility is a prevention of significant deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table:

Regulation	EU Nos.
<i>Federal Rule Citations</i>	
40 CFR 60, Subpart A, General Provisions	004, 010, 020, 021, 029, 030, 041-044, 046-048, 057-061, 064
40 CFR 60, Subpart Y, SOP for Coal Preparation and Processing Plants	010, 029, 030, 046-048
40 CFR 60, Subpart Da, SOP for Electric Utility Steam Generating Units	004

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Regulation	EU Nos.
40 CFR 60, Subpart OOO, SOP for Nonmetallic Mineral Processing Plants	020, 021
40 CFR 60, Subpart IIII, SOP for Stationary CI ICE	043, 044, 057, 064, 065
40 CFR 60, Subpart KKKK, SOP for Stationary CT	041, 042, 058-061
40 CFR 60, Subpart TTTT, SOP for GHG Emissions for Electric Generating Units	058-061
40 CFR 63, Subpart A, NESHAP General Provisions	004, 043, 041, 042, 044, 051, 058-061, 063, 064
40 CFR 63, Subpart YYYYY, NESHAP for Stationary CT	041 & 042, 058-061
40 CFR 63, Subpart ZZZZ, NESHAP for Stationary RICE	043, 044, 057, 064, 065
40 CFR 63, Subpart DDDDD, NESHAP for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	051, 063
40 CFR 63, Subpart UUUUU, NESHAP: Coal- and Oil-Fired Electric Utility Steam Generating Units with an effective date of April 16, 2015	004
40 CFR 75, Acid Rain Monitoring Provisions	004, 041, 042, 058-061
<i>State Rule Citations</i>	
Chapter 62-214, F.A.C., Requirements for Sources Subject to the Federal Acid Rain Program	004, 041, 042, 058-061
Rule 62-204.800, F.A.C., Federal Regulations Adopted by Reference	004, 010, 020, 021, 029, 030, 041-044, 046-048, 057-061, 064, 065
Rule 62-212.400, F.A.C., PSD	004, 010, 012-014, 023, 029, 030, 050, 058-061
Rule 62-296.500, F.A.C., Reasonable Available Control Technology (RACT) – Volatile Organic Compounds (VOC) and Nitrogen Oxide (NO <sub>x</sub> ) Emitting Facilities	032
Rule 62-296.513, F.A.C., Surface Coating of Miscellaneous Metal Parts and Products	032
Rule 62-296.700, F.A.C., RACT Particulate Matter (PM)	004, 048
Rule 62-296.702, F.A.C., Fossil Fuel Steam Generators	004
Rule 62-296.711, F.A.C., Materials Handling, Sizing, Screening, Crushing & Grinding Operations	012-014, 020-021, 029, 030, 048, 050

This facility also includes miscellaneous unregulated/insignificant emissions units and/or activities.

### PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility and incorporate a new emergency diesel generator and revisions to previous air construction permits.

### PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Renewal received: **September 13, 2024**

Draft permit package issued on: **November 26, 2024**

Revised Draft permit package issued on: **March 25, 2025**

Proposed permit package issued on: **May 9, 2025**

### PRIMARY REGULATORY REQUIREMENTS

Standard Industrial Classification (SIC) Code: 4911 – Electrical Generation.

North American Industry Classification System (NAICS): 221112 – Fossil Fuel Electric Power Generation.

HAP: The facility is identified as a major source of hazardous air pollutants (HAP).

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Title IV: The facility operates units subject to the acid rain provisions of the Clean Air Act.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

Siting: Unit 4 was originally certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility.

GHG: The facility is identified as a major source of greenhouse gas (GHG) pollutants.

### PROJECT REVIEW

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility and incorporate a new emergency diesel generator and revisions to previous air construction permits. Changes to the permit made as part of this revision are shown in ~~strike-through~~ format for deletions and in double underline format for additions. For ease of identification, all changes have also been **highlighted in yellow** within the permit document.

The renewal permit includes the following changes.

1. Changes to the Title V air operation permit are based on the Department's updated formats for a Title V air operation permit.

### Table of Contents

#### Section III. Emission Units and Conditions

2. Removed Subsection O, Coal Residual and Supplemental Storage and Transfer Facility (EU 037 and EU 038) since these activities have been retired and are no longer used at the facility.
3. Updated titles of emission unit sections for clarity.
4. Added a new Unit 4 Emergency Diesel Generator (1,865 HP) (EU 065) to the table of contents.

#### Section V. Appendices

5. Added additional documents requested by the permittee to be included: CMS, EPA's Determination for NESHAP Subpart YYYY CMS Plan Petition (July 25, 2023); FDEP NESHAP Subpart YYYY, CT-5 & CT-6 Stack Test Waiver (04/22/2024); FDEP SGU No. 4 Reporting Waiver per NESHAP Subpart UUUUU (04/12/2024); and Performance Curves for SCCT-5 and 6.
6. Updated the appendices to include the applicable federal regulations for the emission units.

### Section I, Subsection A: Facility Description.

7. Revised the facility description to include any new emission units being added and/or updated.

### Section I, Subsection B: Summary of Emission Units.

8. Removed Coal Residual and Supplemental Storage and Transfer Facility (EU 037 and EU 038) since these activities are no longer used at the facility.
9. Replaced the 1,046 HP with a 1,194 HP Emergency Diesel Generator (EU 044).
10. Added new 1,865 HP Unit 4 Emergency Diesel Generator (EU 065).

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11. Renamed emergency engines (EU 043, EU 044, and EU 064) as requested by the permittee.

### Section I, Subsection C: Applicable Regulations.

12. Updated the regulation table by removing Coal Residual and Supplemental Storage and Transfer Facility (EU 037 and 038) and added the new emergency diesel generator to the respective applicable regulations.

### Section II: Facility-Wide Conditions.

13. Added a table that lists all reporting requirements applicable to the facility.

### Section III: Emission Units and Specific Conditions

#### Subsection A: Simple Cycle CT-5 & CT-6 and Combined Cycle CT-5 & CT-6 (EU 058 – EU 061)

14. Updated the applicable requirements for 40 CFR 60, Subpart KKKK and TTTT, and 40 CFR 63, Subpart YYYY).
15. Air construction Permit No. 0570039-156-AC revised the emission unit description and previous Condition **A.1** (Design Capacity) to reduce the nominal generating capacity from 385 MW to 344 MW for simple-cycle mode of operation at ISO conditions. Condition **A.1** (Design Capacity) in the Title V air operation permit was revised as follows:

**A.1. Design Capacity.** The nominal generating capacity, ISO conditions at 59°F, of each CT is as follows:

Unit No.	MW	Description
058 – <u>059061<sup>a</sup></u>	<u>344</u> <u>385</u>	<u>Each CT, Simple-cycle mode.</u>
<u>060 – 061</u>	<u>385</u>	<u>Each CT, Combined-cycle mode.</u>
060 – 061 <sup>b</sup>	1,120	<u>Total combined-cycle modesystem with HRSG and a shared STG.</u>

- a. The permittee shall tune, operate, and maintain two GE 7HA.02 CT.
- b. The HRSG shall be designed to recover exhaust heat energy from one of the two CT and deliver steam to the STG.

[Rules 62-4.160(2), 62-204.800, & 62-210.200(PTE), F.A.C.; and Permit Nos. 0570039-119-AC & 0570039-147-AC 0570039-156-AC]

16. Combined previous Condition **A.2** (Methods of Operation – Fuels) with previous Condition **A.6** (Performance Curves) for clarity and consistency.
17. Air construction Permit No. 0570039-156-AC revised previous Condition **A.5** (Limits of Operation) to clarify the gross electric output limit is based on a 12-operating month rolling total for each CT when operating in simple-cycle mode. Condition **A.5** (Limits of Operation) was combined with the GHG Emission limits in previous Condition **A.11** (Emission Standards) for clarity.
18. The emission standard table in previous Condition **A.11** (Emission Standards) was broken down into individual conditions for each pollutant to meet the new Title V permit format.
19. The NO<sub>x</sub> emission standards in previous Condition **A.11** (Emission Standards) was combined with previous Condition **A.12** (NO<sub>x</sub> Cap for PSD Avoidance) for clarity and consistency. Air construction Permit No. 570039-156-AC revised previous Condition **A.12** (NO<sub>x</sub> Cap for PSD Avoidance) to clarify the averaging time based on a 12-operating month rolling total.
20. The SO<sub>2</sub> emission standards in previous Condition **A.11** (Emission Standards) was combined with previous Condition **A.13** (NSPS Subpart KKKK SO<sub>2</sub> Limits) for clarity and consistency.
21. Added a new Condition **A.13** (Gross Load Monitoring Meter – NESHAP Subpart YYYY) to include the EPA approved Continuous Monitoring System (CMS) Plan for demonstrating continuous compliance with the formaldehyde emission standard.

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22. Combined the NO<sub>x</sub> continuous emissions monitoring system (CEMS) requirements in previous Conditions **A.19** (CEMS), **A.21** (NSPS Subpart KKKK Monitoring Requirements), and **A.22** (NSPS Subpart KKKK NO<sub>x</sub> CEMS Requirements) for clarity and consistency.
23. Condition **A.20** (Formaldehyde Compliance Requirements) included the EPA approved CMS Plan requirements when testing for formaldehyde emissions as well as the applicable compliance requirements for 40 CFR 60, Subpart YYYY.
24. Revised previous Condition **A.27** (NESHAP Subpart YYYY Test Notification Requirements) to include the notification requirements for when a test needs to be re-scheduled pursuant to Rule 62-297.310(9), F.A.C.
25. Air construction Permit No. 0570039-156-AC revised previous Condition **A.33** (Monthly Operations Summary) to clarify the applicable recordkeeping requirements for demonstrating compliance with the CO<sub>2</sub> emission limits.

### Subsection B. Steam Generator Unit 4 (EU 004).

26. Removed Units 1 – 3 from this section since they are shut down and/or retired.
27. Updated and/or added applicable conditions as required by NSPS Subpart Da and NESHAP Subpart UUUUU.
28. Removed all mentions of coal residual fuel from Polk Power Station as a type of fuel permitted to be used, because this type of fuel is no longer available for use by the facility.
29. Combined previous Conditions **B.18** (Excess Emissions Allowed – Startup, Shutdown or Malfunction), **B.19** (Excess Emissions Allowed – Startup and Shutdown BOP), and **B.20** (Excess Emissions Prohibited) into new Condition **B.20** (Excess Emissions) for clarity.
30. Revised previous Condition **B.23** (Continuous Monitoring Systems) to include the applicability to 40 CFR 75.
31. Air construction Permit No. 0570039-156-AC (PSD-FL-390B) revised previous Condition **B.23** (Continuous Monitoring Systems), specifically, the Appendix CEMS requirement, to incorporate quality assurance procedures and CO monitoring requirements.
32. Air construction Permit No. 0570039-156-AC removed previous Condition **B.29** (Gas Igniter Capacity Testing) as this was no longer applicable to the facility.
33. Air construction Permit No. 0570039-156-AC established the previous Condition **B.30** (Determination of Heat Input) since this condition was not previously established in an air construction permit.

### Subsection C. SCCT 4A and 4B (EU 041 & EU 042).

34. Updated and/or added applicable conditions as required by 40 CFR 60 Subpart KKKK, and 40 CFR 63 Subpart YYYY.
35. Removed all references to evaporative cooling in the emissions unit description, as the facility no longer uses this method.
36. Air construction Permit No. 0570039-156-AC revised previous Condition **C.1** (Permitted Capacity) and removed the evaporative cooling process from the condition because the facility no longer uses this process.
37. Air construction Permit No. 0570039-156-AC revised and renamed (Restricted Hours of Operation) previous Condition **C.4** (Hours of Operation) to include the new synchronous condenser mode and other clarifying language.
38. Removed references to evaporative cooling in the emissions limitations and standards description, as the process is no longer used by the facility.
39. Removed all references to black start as the emission unit does not qualify as black start.

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40. Revised previous Condition **C.9** (SO<sub>2</sub> Emissions) to include updates to applicable emissions limitations as required by NSPS Subpart KKKK.
41. Air construction Permit No. 0570039-156-AC revised previous Condition **C.15** (Allowable SIP CO and NO<sub>x</sub> Data Exclusions) to include the new synchronous condense operation, removed all mentions of black start, and incorporated excess emissions notification requirement for clarity. Condition **C.15** (Allowable SIP CO and NO<sub>x</sub> Data Exclusions) in the Title V air operation permit was revised as follows:

**C.15. Allowable SIP CO and NO<sub>x</sub> Data Exclusions.** Provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions are minimized, CO and NO<sub>x</sub> CEMS data collected during periods of startup, shutdown and malfunction may be excluded from the 3-hr rolling average and 4-hr rolling average, respectively, for compliance demonstrations only in accordance with the following requirements. All periods of data excluded shall be consecutive for each such episode and only data obtained during the described episodes (startup, shutdown, malfunction, tuning, ~~simulated facility black start testing and~~ true facility ~~black~~ startup events and synchronous condenser operation) may be excluded. As provided by the authority in Rule 62-210.700(5), F.A.C., the following conditions replace the provisions in Rule 62-210.700(1), F.A.C.:

- a. *Startup.* In accordance with the procedures described in the CEMS Data Requirements of this section, no more than the first 15 minutes of CEMS data indicating exceedances of emission limits shall be excluded for each gas turbine startup. For startups of less than 15 minutes in duration, only those minutes of exceedances attributable to startup shall be excluded. The total duration of a startup event is not limited.
- b. *Shutdown.* In accordance with the procedures described in the CEMS Data Requirements of this section, no more than the first 15 minutes of CEMS data indicating exceedances of emission limits shall be excluded for each gas turbine shutdown. For shutdowns less than 15 minutes in duration, only those minutes of exceedances attributable to shutdown shall be excluded. The total duration of a shutdown event is not limited.
- c. *Malfunction.* In accordance with the procedures described in the CEMS Data Requirements of this section, no more than 120 minutes of CEMS data shall be excluded in a 24-hour period for each gas turbine due to malfunctions. Within one working day of occurrence, the permittee shall notify the Compliance Authority of any malfunction resulting in the exclusion of CEMS data.
- d. *Tuning.* "Tuning" means adjusting the combustors in accordance with the manufacturer's recommendations (or industry standards) or modifying the water-to-fuel ratio to affect a change in the post-combustion air emissions. Such tuning sessions are infrequent. Excess CEMS emissions data collected during tuning may be excluded from the compliance averages.
- e. *Simulated Facility ~~Black Start~~Startup Testing ~~and Facility Black Start Events~~.* Up to 8 hours of CEMS data indicating exceedances of emission limits may be excluded from the compliance demonstration periods for the two simple cycle gas turbines when operating at less than full load for extended periods in relation to simulated or actual facility ~~black-start~~ startup conditions.
- f. *Synchronous Condenser Operation.* This operation briefly fires the CT up to 10 minutes, synchronizes to the grid, disengages from generator and is shutdown. As required, the generator continues to spin on grid power to maintain grid stability and provide reliable power to customers. NO<sub>x</sub> and CO CEMS data associated with the brief operation of the CT may be excluded as necessary.
- g. *Excess emissions Notification.* The permittee shall notify the Compliance Authority within one working day of discovering any emissions in excess of a CEMS standard subject to the specified averaging period. All such reasonably preventable emissions shall be included in any CEMS compliance determinations. All valid emissions data (including data collected during startup, shutdown and malfunction) shall be used to report annual emissions for the Annual Operating Report.

[Rules 62-4.070, 62-210.370(3) & 62-210.700(4)&(5), F.A.C.; Permit No. 0570039-040-AC, Specific Condition 24; and Application No. 0570039-156053-AC.]

42. Air construction Permit No. 0570039-156-AC revised previous Condition **C.30** (Monthly Operations Summary) to include the new synchronous condense operation, and other clarifying language.

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### Subsection D. Solid Fuel and Limestone Unloading and Handling Operations (EU 010).

- 43. Combined previous Conditions **D.6** (Excess Emissions Allowed) and **D.7** (Excess Emissions Prohibited) into new Condition **D.6** (Excess Emissions) for clarity.
- 44. Air construction Permit No. 0570039-156-AC (PSD-FL-040D) revised previous Condition **D.1** (Methods of Operation) to replace the word “preclude” with the word “minimize”, and included other clarifying language along with an updated rule citation for BACT and permit number citation.

### Subsection E. Fuel Blending and Crushing (EU 029 and EU 030).

- 45. Removed previous Conditions **E.6** (Excess Emissions Allowed) and **E.7** (Excess Emissions Prohibited) because the fuel blending and crushing is not subject to the state rule requiring the excess emissions condition.

### Subsection G. Railcar Unloading and Conveying System (EU 047).

- 46. Removed previous Conditions **G.7** (Excess Emissions Allowed) and **G.8** (Excess Emissions Prohibited) because the railcar unloading and conveying system is not subject to the state rule requiring the excess emissions condition.

### Subsection I. Coal Bunker and Roto-Clone Unit 4 (EU 039).

- 47. Air construction Permit No. 0570039-156-AC established previous Condition **I.1** (Hours of Operation) since the restricted hours of operation were not previously established in an air construction permit.
- 48. Air construction Permit No. 0570039-156-AC established previous Condition **I.8** (Record of Hours of Operation) since compliance with the restricted hours of operation was not previously established in an air construction permit.
- 49. Removed previous Conditions **I.4** (Excess Emissions Allowed) and **I.5** (Excess Emissions Prohibited) because the unit no.4 coal bunker with roto-clone is not subject to the state rule requiring the excess emissions condition.

### Subsection J. Limestone Silos A and B with Baghouses (EU 012 & EU 013).

- 50. Air construction Permit No. 0570039-156-AC established the requirement for previous Condition **J.5** (System Pressure Monitoring), which is the periodic monitoring requirements for the limestone handling and storage operations in an air construction permit pursuant to the resolution of objection from USEPA dated 12/14/2000.
- 51. Air construction Permit No. 0570039-156-AC (PSD-FL-040D) established the requirement for previous Condition **J.2** (Negative Pressures) for monitoring the pressure pursuant to the resolution of objection from USEPA dated 12/14/2000.
- 52. Combined previous Conditions **J.6** (Excess Emissions Allowed) and **J.7** (Excess Emissions Prohibited) into new Condition **J.9** (Excess Emissions) for clarity.

### Subsection K. Limestone Conveyors LB/LC and LD/LE (EU 023 & EU 050).

- 53. Air construction Permit No. 0570039-156-AC established the requirement for previous Condition **K.7** (System Pressure Monitoring), which is the periodic monitoring requirements for the limestone handling and storage operations in an air construction permit pursuant to the resolution of objection from USEPA dated 12/14/2000.
- 54. Air construction Permit No. 0570039-156-AC (PSD-FL-040D) revised previous Condition **K.2** (Enclosure of Equipment) to replace the word “preclude” with the word “minimize”, and included other clarifying language along with an updated rule citation for BACT and permit number citation.
- 55. Air construction Permit No. 0570039-156-AC (PSD-FL-040D) corrected the rule citation to be BACT for previous Condition **K.4** (Negative Pressures) and updated the permit number as necessary.

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56. Removed previous Conditions **K.8** (Excess Emissions Allowed) and **K.9** (Excess Emissions Prohibited) because the limestone conveyors and baghouses are not subject to the state rule requiring the excess emissions condition.

### Subsection L. Limestone Silo C and Conveyors LE/LF/LG/Belt Feeder (EU 020 & EU 021).

57. Air construction Permit No. 0570039-156-AC (PSD-FL-040D) revised previous Condition **L.2** (Enclosure of Equipment) to replace the word “preclude” with the word “minimize”, and included other clarifying language along with an updated rule citation for BACT and permit number citation.

58. Removed previous Conditions **L.6** (Excess Emissions Allowed) and **L.7** (Excess Emissions Prohibited) because the limestone silo C and conveyors LE/LF/LG/Belt Feeder are not subject to the state rule requiring the excess emissions condition.

### Subsection M. Fly Ash Silo No. 3 (EU 014).

59. This subsection was previously left blank.

60. The Fly Ash Silo No. 3 was previously in Subsection N of the permit.

61. Air construction Permit No. 0570039-156-AC (PSD-FL-040D) corrected the rule citation to be BACT for previous Condition **N.3** (Negative Pressures) and updated the permit number as necessary.

62. Air construction Permit No. 0570039-156-AC corrected the rule citation and established the requirement for previous Condition **N.6** (System Pressure Monitoring), which is the periodic monitoring requirements for Fly Ash Silo No. 3 system pressure in an air construction permit pursuant to the resolution of objection from USEPA dated 12/14/2000.

### Subsection N. Surface Coating and Miscellaneous Metal Parts (EU 032).

63. Surface Coating and Miscellaneous Metal Parts was previously in Subsection P of the permit.

64. Air construction Permit No. 0570039-156-AC revised previous Condition **P.1** (Permitted Capacity) to include a permit citation and the word “annually” for clarity.

65. Air construction Permit No. 0570039-156-AC revised previous Condition **P.2** (Hours of Operation) to include a permit citation for clarity.

66. Removed previous Conditions **P.5** (Excess Emissions Allowed) and **P.6** (Excess Emissions Prohibited) because the surface coating and miscellaneous metal parts are not subject to the state rule requiring the excess emissions condition.

### Subsection O. Emergency Diesel Generators (EU 043, 044, 057, 064, & 065).

67. Coal Residual and Supplemental Storage and Transfer Facility (EU 037 & EU 038) was previously located in Subsection O of the permit; however, these emissions units were retired from the facility.

68. The emergency generators were previously in Subsection Q of the permit.

69. The 1,046 HP Unit 4 emergency diesel generator was replaced with a 1,194 HP engine.

70. Removed references to black start as the emission unit does not qualify as black start.

71. Incorporated a new 1,865 HP emergency diesel generator used for Unit 4.

### Subsection P. Process Heater Nos. 1 and 2 (EU 051 & EU 063).

72. Process Heater Nos. 1 and 2 were previously in Subsection S of the permit.

73. Air construction Permit No. 0570039-156-AC corrected previous Condition **S.8** (Operational Records) for each heater from 3 million British thermal units per hour (MMBtu/hour) to 6 MMBtu/hour.

## CONCLUSION

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This project renews the Title V air operation permit No. 0570039-128-AV, which was effective on April 29, 2020. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210, and 62-213, F.A.C.