APPENDIX 1 TO
TITLE V PERMIT APPLICATION

FLORIDA POWER DEVELOPMENT, LLC
FACILITY ID: 0530380
AIR CONSTRUCTION PERMIT: 0530380-001-AC

Brooksville Power Plant
10311 Cement Plant Road
Brooksville, FL 34601

PREPARED BY:
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Submission Date: March 28, 2014

308-14-01

KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES

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INTRODUCTION

The Brooksville Power Plant boiler was initially installed at its current location near the City of Brooksville, in unincorporated Hernando County, Florida in 1984. This boiler operated as a 150 megawatt coal-filed boiler at that location from the time of installation in 1984 until 2011.

In September, 2011, Florida Power Development, LLC (FPD) submitted an application to the Florida Department of Environmental Protection (FDEP) for an air construction permit. While the permit application listed Cemex Construction Materials Florida, LLC as a co-applicant, the resulting AC permit (0530380-001-AC) was issued to FPD as the only owner and operator of the operation. That application proposed to convert the existing 150-megawatt coal-fired electrical power plant (which was and is operated by Central Power & Lime, Inc.) to a 70-80 megawatt, biomass-fired electrical generating unit.

Prior to this conversion, the coal-fired power plant was co-located through a common exhaust stack to a pre-heater cement kiln in which both power and cement kiln were under common ownership. Today the kiln is separately operated by Cemex Construction Materials Florida, LLC. During the period of this power plant conversion, the power plant common stack exhaust system was diverted and emissions from the power plant now exit through a separate and new 165-ft steel stack. As well, during the process of air construction permitting, FDEP issued several AC permits to revise the co-location status of the two systems (kiln and power plant) into separate AIRS ID numbers (0530380 for FPD and the prior existing ID number remained 0530021 for Cemex). See AC permit 0530380-001-AC, Section 2, Specific condition 10 for more details.

In January of 2012, the Florida Department of Environmental Protection authorized conversion of this boiler to fire primarily biomass with a limited amount of natural gas and fuel oil that could be used during startup and bed stabilization. The design heat input capacity of the boiler while firing biomass is approximately 80 megawatts, gross. The resulting permits, which allow FPD to carry out the construction, was 0530380-001-AC and modified Site Certification number PSD-FL-090. The AC permit expires on December 31, 2014.

The conversion process took place during 2012 and most of 2013. FPD initially started up the boiler using biomass as the primary fuel on October 1, 2013. During the conversion process, FPD changed the boiler design to use water-cooled stoker gates. FPD added; A grate suspension stoker, over fire air ports; a startup burner; ash hoppers; ash conveyors; fuel metering bins, fuel receiving and stacking conveyors, fuel feeding equipment, and distributors; a new precipitator, new dust collectors in the fuel yard, a new multi-pollutant catalytic reactor, and a new stack. FPD also added ducts, and replaced the air heaters and dust collectors.

As specified in the initial construction application, a Title V (TV) operation permit is required for regular operation of the permitted emissions units specified in 0530380-001-AC. FPD has the obligation to apply for a Title V operation permit at least 90 days prior to expiration of the initial construction permit, but no later than 180 days after completing the required work and commencing operation. Since operation began on October 1, 2013, the initial TV permit application is due by March 30, 2014.

FPD is in the final stage of completing all testing and emissions monitoring system requirements. Note that because initial compliance test results are not completed (though in compliance with submittal dates), those results will be submitted separately.

The facility consists of the following units. Unit 001 is the only new unit. The other units remain existing units that have been either retrofitted (002) or merely renumbered (003 and 004). Unit 005 was created due to the emergency engines are now subject to reciprocating engine rules (RICE).

Facility 05300380 EU ID No.	Emissions Unit Description	Facility 05300021 EU ID No.
001	Biomass Handling, Storage and Processing (New EU)	---
002	Woody Biomass-Fueled Grate-Suspension Boiler (Formerly Coal-Fired Boiler)	018
003	Ash and Handling, Storage and Shipment	---
Consists of old EUs:	Contaminated Fly Ash & Filter Dust Bin	036
	Filter Dust Bin	001
004	IDSIS Sorbent Handling and Storage	---
	Limestone Fines Storage	038
	Lime Dust Storage Bin	039
005	Emergency Equipment	
	500 kilowatt (kW) Emergency Generator	No EU #
	250 kW Emergency Ditch Pump	No EU #

The following is an abbreviated timeline of events that have led to an extended shakedown and tuning period and have caused unavoidable delays in Florida Power Development's (FPD's) ability to schedule and complete all initial certifications and stack testing for the facility's grate-suspension boiler (EU-002). As of March 21st the facility has been operated 73 days not including transitional days with the facility coming off- or on-line, which are not useful for shakedown and tuning. Notifications of testing and subsequent notices of rescheduling for initial compliance have been submitted to the agency, which were initially submitted to the agency on November 22, 2013. Despite the extended amount of down time, FPD completed continuous monitoring system certification, in accordance with 40 CFR 75, for SO2 (sulfur dioxide), NOx (nitrogen oxides), CO2 (carbon dioxide) and exhaust flow. FPD will complete PM, VOC, SAM, NH3 slip, opacity and CO tests or audits the week of March 31- April 4.

1. The boiler emission unit (EU-002) first came on-line on October 1, 2013 and experienced a forced outage the following day during turbine over speed testing. Trouble shooting and repair after this event prevented the facility from returning to operation until October 22, 2013.
2. Between late October and the end of the year, the facility was on- and off-line several times to address shakedown issues, including related to the Electro Static Precipitator (ESP) and of the Multi-Pollutant Catalytic Reactor (MPCR), which contains the NOx and CO catalyst downstream of the ESP. During this period, the ESP manufacturer made several changes to the ESP in an attempt to address issues identified as part of the shakedown process.
3. As shakedown continued in early January, an air-flow inspection indicated that the air-flows were not at designed levels. On January 14, 2014, a physical inspection of the individual components revealed necessary changes to the tubular air heater and other issues contributing to the non-design airflows.
4. The facility returned to operation on January 22, 2014 after making the air-flow related changes and an associated improvement was noted to the facility's operation and performance. However, even with these changes the ESP manufacturer determined the ESP was still not operating at its design specifications and required downtime and mechanical modifications.
5. Given CAIR requires CEMs certification be completed within 90 operating days after startup, FPD focused on completing these certifications. FPD hired two testing companies to ensure these certifications were completed (February 13-15, 2014) in a timely manner.
6. From late January to March 14, 2014, the ESP manufacturer completed further mechanical modifications to meet its specifications, which caused additional down time and delays.
7. Following these delays FPD was able to arrange initial stack tests the week of March 17th and received FDEP approval to do so. However, heavy rains and lightening storms prevented the test crews from getting on the stack on March 17, 2014. On March 18, 2014, during a combustion-tuning run the facility experienced a forced outage due to a mechanical failure of an ash drag chain in the boiler. This prevented the stack testing from being completed during the week as scheduled. The facility has returned to operation the week of March 24, 2014. However FPD has not been able to contract a qualified stack testing company to perform the stack testing within this time frame. The earliest date that a stack testing company can conduct the testing is the week of March 31, 2014. FPD is scheduled to conduct the remaining testing during the period of March 31 to April 3, 2014.
8. In addition to completing the CAIR continuous monitoring system required certifications, FPD has completed all method 9 testing requirements for EU-001 and EU-003. Note that EU 004 has not operated to date but will be VE tested within the 180 day time frame of startup of this unit. VE testing which must be completed simultaneous to PM testing on EU-002 will be completed during the week of March 31-April 4. EU005 does not require initial testing.

Figure 1. Layout of Biomass Wood Yard Layout of VE points, EU001.

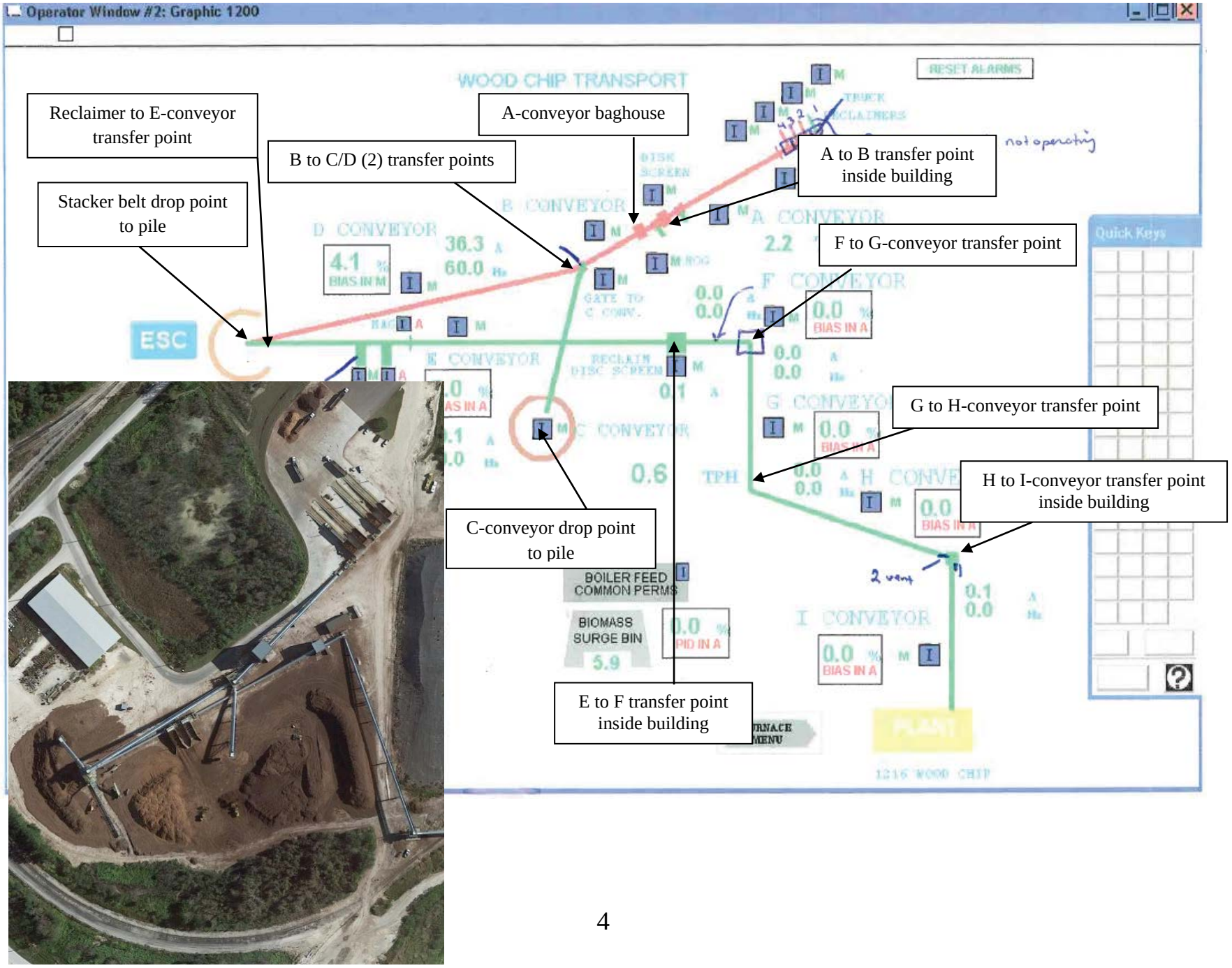
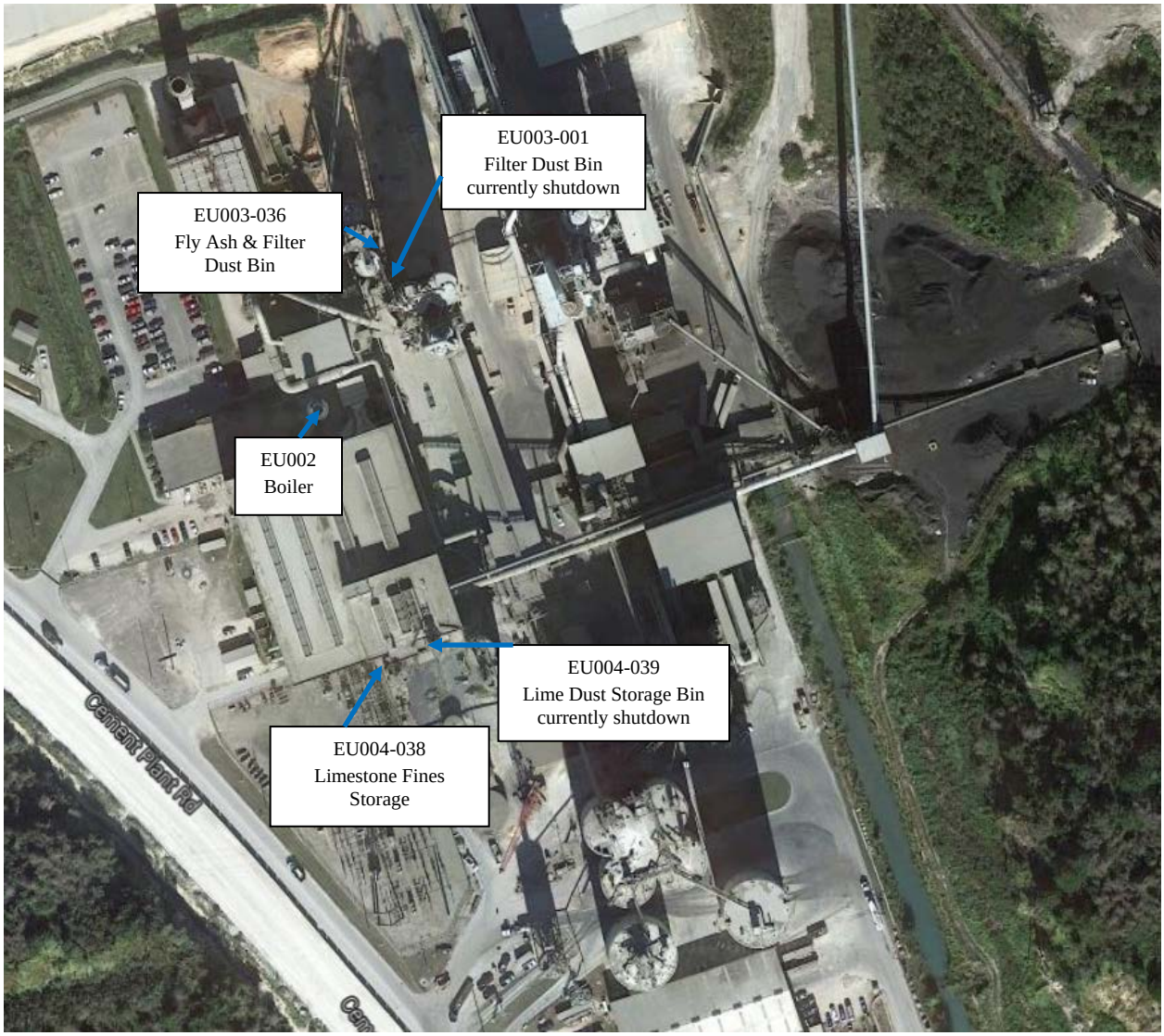


Figure 2. Location of Emissions Unit – EU002 to EU004



RULE IDENTIFICATION & APPLICABILITY ANALYSIS

As shown in the original construction permit application, a number of regulations must be considered for this facility. These regulations include New Source Review (NSR) and its associated Prevention of Significant Deterioration (PSD) determination, New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). In the following sections, each of these regulations is further considered.

NEW SOURCE REVIEW

New source review was addressed in the application due to the required retrofit construction to burn biomass is a change in the method of operation which could affect emissions. Because FPD was replacing coal firing with biomass firing among some physical changes, FPD elected to net out of emissions for NSR review of the retrofit biomass system. The net emission change for each of the NSR pollutants was determined in the original construction permit for this project (see Table 3-1 of the application). A summary of this determination is repeated in the table below for facility-wide emissions.

Pollutant	Maximum Potential Annual Emissions [TPY]	Maximum 2-Year Average from Existing Units [TPY]	Change in Emissions [TPY]	PSD Threshold [TPY]
SO_2	591.3	2,129	-1,538	40
PM	67.4	53.0	14	25
PM_{10}	57.6	45.1	12.6	15
$PM_{2.5}$	34.2	29.3	5.0	10
NO_x	591.3	2,391.5	-1,800	40
CO	177.4	91.0	86	100
VOC	39.4	11.7	28	40
SAM	9.5	5.7	3.8	7
Lead	0.2	0.009	0.18	0.6
HF	21.1	--	--	N/A
HCl	137.1	--	--	N/A
CO_{2e}	25,459	751,569.3	-726,111	75,000*

* CO2e emissions of potential emissions includes subtraction of biomass under the biogenic deferral of GHGs (FR 76 43490-43508). GHG change of emissions was determined to not be "subject to regulation".

As shown in the table above, the net emission changes from the original construction permit are less than the PSD significant thresholds for all pollutants and, therefore, PSD review was avoided which is noted in the permit for the pollutants NOx, SO2, CO, PM, VOC and SAM. Because NOx, SO2, and CO are measured by continuous emission monitors (CEM)s, the emission limits are based 12-

month sums in tons per year for the effective lb/hr value from the maximum potential emissions established in the Table 3-1 from the application. PM, VOC and SAM are measured by stack testing, not CEMs, and therefore the emission limits are determined assuming continuous operation of 8760 hr/yr and a short-term stack test rate. PM10 is assumed to have the same emission rate as PM and is similarly limited to 11.7 lb/hr.

Note that GHG are reviewed separately than other pollutants. The review above of GHG change in emissions indicates that GHG are not subject to regulation. If GHGs were subject to regulation, then the mass of GHG pollutants would be compared to the PSD threshold.

NEW SOURCE PERFORMANCE STANDARDS

The new source performance standards (NSPS) are national emission standards defined in 40 CFR 60. The purpose of these standards is to "reflect the degree of emission limitation and the percentage reduction achievable through application of the best technological system of continuous emission reduction the Administrator determines has been adequately demonstrated," as specified in the 1977 Clean Air Act Amendments.

NSPS SUBPART DA

NSPS Subpart Da – Electric Utility Steam Generating Units for which Construction is Commenced after September 18, 1978

Emission Unit 002 was determined to not be applicable to Subpart Da. The biomass-fired boiler is equipped with start-up ignition burners using ULSD fuel oil or natural gas. However, the heat input to the FPD boiler from fossil fuel is designed for a capacity up to 90 MMBtu/hr (i.e., 10% of heat input capacity of 900 mmbtu/hr), which is below the 250 MMBtu/hr applicability threshold for Subpart Da. Therefore, NSPS Subpart Da is not applicable to this unit.

NSPS SUBPART DB

NSPS Subparts Eb – Municipal Waste Combustors Constructed after September 20, 1994 and CCCC – Commercial and Industrial Solid Waste Incineration Units for which Construction is Commenced after November 30, 1999 or for which Modification or Reconstruction is Commenced on or after June 1, 2001

Emission Unit 002 was determined to be applicable to Subpart Db as it is referenced for the opacity limit in EU002, specific conditions 13 and 14. It is requested that the Title V permit explain why this unit is subject for clarity.

NSPS SUBPARTS EB AND CCCC

Subparts Eb and CCCC do not apply to EU 002 as it does not burn solid waste. However, the AC permit does reference Subpart Eb 40 CFR 60.51b for condition 5 of EU 001 in regards the BMPs required to ensure no solid waste is burned.

In addition, an exemption is available if the unit is a "qualifying small power production facility" under section 3(17)(C) of the Federal Power Act. The rule provides that a small power production facility is a qualifying facility if it does not exceed 80 MW and its primary energy source is biomass, waste, renewable resources, geothermal resources, or any combination thereof, and 75 percent of more of the total energy input is from these sources. "Any primary energy source which, on the basis of its energy content, is 50 percent of more biomass shall be considered biomass." The use of fossil fuel for start-up testing, flame stabilization, etc., is allowed. This unit fits those qualifications and is therefore exempt from Subparts Eb and CCCC.

NSPS SUBPARTS KB

Emission Unit 002 includes a statement regarding an ultra low sulfur distillate fuel oil storage tank which is not subject to NSPS Subpart Kb because it is larger or equal to 40,000 gallons (151 cubic meters) and store liquids (ultra low sulfur distillate fuel oil) with a maximum true vapor pressure less than 3.5 kilo Pascals (0.51 psi)). Accordingly they are unregulated emissions units. This condition remains correct after construction.

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

The following NESHAP regulation, also known as the maximum achievable control technology (MACT) rules, was reviewed for its applicability prior to construction

NESHAP SUBPART DDDDD

Industrial, Commercial and Institutional Boilers and Process Heaters (Major Source Boiler MACT)

The constructed unit is a major source of HAPs and because the original construction occurred before June 4, 2010, and the fixed capital costs that were associated with the biomass conversion do not exceed 0% of the fixed capital cost that would be required to construct a comparable new source, the unit is considered an existing source under the boiler MACT (i.e., subpart DDDDD). As such, the standards for existing sources under 40 CFR 63 Subpart DDDDD are applicable and should be reflected in the emission limits in the Title V permit for the upcoming applicable date. Namely the limits that will become applicable in 2015 should be addressed in the Title V permit. The applicability of this rule was noticed to FDEP through the AC permit issuance and as well through a letter dated September 24, 2013 from Terry Woodard, Authorized Representative for FPD, to David Read with FDEP. FPD presumed that the issuance of the AC permit sufficed for notice to FDEP and

EPA of the applicability of this rule. At the request of FDEP, further notice was submitted to FDEP on September 24, 2013.

Subpart DDDDD contains emission limits for filterable particulate matter (PM), carbon monoxide (CO), hydrochloric acid (HCl), mercury (Hg), and D/F that will apply to the grate-suspension boiler at the Brooksville Power Plant. The unit is an existing unit for purposes of subpart DDDDD because it was an existing electric utility steam generating unit (EGU) that now meets the applicability requirements of 40 CFR 63 DDDDD after the effective date of the rule (January 31, 2013) due to a change (i.e. switch from coal to woody biomass). The applicable date of compliance is The unit is a "suspension burners designed to burn biomass/bio-based solids" and as such emission limits for this existing unit are as follows.

TABLE 2 TO SUBPART DDDDD OF PART 63—EMISSION LIMITS FOR EXISTING BOILERS AND PROCESS HEATERS

As stated in § 63.7500, you must comply with the following applicable emission limits:

[Units with heat input capacity of 10 million Btu per hour or greater]

If your boiler or process heater is in this subcategory . . .	For the following pollutants . . .	The emissions must not exceed the following emission limits, except during startup and shutdown . . .	The emissions must not exceed the following alternative output-based limits, except during startup and shutdown . . .	Using this specified sampling volume or test run duration . . .
1. Units in all subcategories designed to burn solid fuel.	a. HCl	2.2E–02 lb per MMBtu of heat input.	2.5E–02 lb per MMBtu of steam output or 0.27 lb per MWh.	For M26A, Collect a minimum of 1 dscm per run; for M26, collect a minimum of 120 liters per run.
If your boiler or process heater is in this subcategory . . .	For the following pollutants . . .	The emissions must not exceed the following emission limits, except during startup and shutdown . . .	The emissions must not exceed the following alternative output-based limits, except during startup and shutdown . . .	Using this specified sampling volume or test run duration . . .
	b. Mercury	5.7E–06 lb per MMBtu of heat input.	6.4E–06 lb per MMBtu of steam output or 7.3E–05 lb per MWh.	For M29, collect a minimum of 3 dscm per run; for M30A or M30B, collect a minimum sample as specified in the method; for ASTM D6784 [b] collect a minimum of 3 dscm.
10. Suspension burners designed to burn biomass/bio-based solid.	a. CO (or CEMS)	2,400 ppm by volume on a dry basis corrected to 3 percent oxygen, 3-run average; or (2,000 ppm by volume on a dry basis corrected to 3 percent oxygen, 10-day rolling average).	1.9 lb per MMBtu of steam output or 27 lb per MWh; 3-run average.	1 hr minimum sampling time.
	b. Filterable PM (or TSM).	5.1E–02 lb per MMBtu of heat input; or (6.5E–03 lb per MMBtu of heat input).	5.2E–02 lb per MMBtu of steam output or 7.1E–01 lb per MWh; or (6.6E–03 lb per MMBtu of steam output or 9.1E–02 lb per MWh).	Collect a minimum of 2 dscm per run.

The current limit on PM is effectively 0.013 lb/mmbtu (based on 11.7 lb/hr and 900 mmbtu/hr) which is below the NESHAP (0.051 lb/mmbtu – 3-run average (i.e., 3-hour average). The CO limit of 2400 ppm is higher value than the current permit but is based on a shorter averaging time and thus should be included in the permit. The HCl and Hg limits are new and must be added to the permitted limits.

INTERSTATE TRANSPORT RULES

CAIR (CLEAN AIR INTERSTATE RULE)

The unit is subject to CAIR as identified in the AC permit as an existing unit. The existing facility is subject to the provisions of the Clean Air Interstate Rule (CAIR), including applicable portions of Chapters 62-204, 62-210 and 62-296, F.A.C. FPD physically changed the boiler at the Brooksville Power Plant, but did not replace the boiler. The boiler should therefore be considered to be the same unit for purposes of the Clean Air Interstate Rule (CAIR). In addition, the boiler at the Brooksville Power Plant is not subject to the federal Acid Rain Program because it is a certified "qualifying small power production facility" based on its size and fuel usage.

As stated above, the Brooksville Power Plant boiler was initially installed at its current location near the City of Brooksville, in unincorporated Hernando County, Florida in 1984. This boiler operated as a 150 megawatt coal-filed boiler at that location from the time of installation in 1984 until 2011. In January of 2012, the Florida Department of Environmental Protection authorized conversion of this boiler to fire primarily biomass with a limited amount of natural gas and fuel oil that could be used during startup and bed stabilization. The design heat input capacity of the boiler while firing biomass is approximately 80 megawatts, gross. The conversion process took place during 2012 and most of 2013. Florida Power Development initially started up the boiler using biomass as the primary fuel on October 1, 2013. During the conversion process, Florida Power Development changed the boiler design to use water-cooled stoker gates. Florida Power Development added; A grate suspension stoker, over fire air ports; a startup burner; ash hoppers; ash conveyors; fuel metering bins, fuel receiving and stacking conveyors, fuel feeding equipment, and distributors; a new precipitator, new dust collectors in the fuel yard, a new multi-pollutant catalytic reactor, and a new stack. Florida Power Development also added ducts, and replaced the air heaters and dust collectors.

The CAIR rules provide under 40 CFR 96.102 that if a unit is *replaced* by a unit at the same source, the replacement unit is treated as a new unit with a separate date for commencement of commercial operation. A unit that undergoes a *physical change other than replacement*, however, continues to be treated as the *same unit* and retains the same date of commencement of commercial operation. Under CAIR, "*replacement"* means "the demolishing of a unit, or the permanent shutdown and permanent disabling of a unit, and the construction of another unit (the replacement unit) to be used

instead of the demolished or shutdown unit (the replaced unit)." The Brooksville Power Plant boiler was converted to use biomass as a fuel. While Florida Power Development physically changed the boiler with the addition of new equipment, as well as a new stack, Florida Power Development did not demolish, permanently shutdown, or permanently disable the existing boiler, nor did it construct a new boiler at this site.

Florida Power Development understands that due to the addition of new pollution control equipment and a new stack, the existing CEMS (SO_2, NOx, CO_2 and flow) was required to be recertified under 40 CFR Part 75. For the period of time that the CEMS equipment is at least provisionally recertified, then Florida Power Development utilized the missing data procedures under 40 CFR 75.31. FPD conducted certification for CAIR on February 13-15, 2014.

FPD provided notice of the "existing" status for purposes of CAIR and CASPR of the biomass power plant to David McNeal, EPA region IV by letter on December 6, 2013.

CASPR (CROSS STATE AIR POLLUTION RULE)

At this time CASPR is effectively "on hold" while the EPA is arguing against the D.C. court of Appeal's decision in August of 2012 to vacate CASPR. Similar to CAIR, this is an existing facility under the CASPR program. Depending on legal activities, CASPR may become effective. Until that time, CAIR remains in effect.

Florida Rules

FDEP has adopted the NSPS and NESHAP rules and thus the same requirements of these rules apply through the adopted rules of FDEP. 62-296.406 addressed the use of natural gas and ultra low sulfur distillate fuel oil meets the PM and SO2 BACT requirements of Rule 62-296.406, F.A.C. and is applicable. In addition, 62-296.406 applied regarding Visible Emissions such that opacity of 10% provides reasonable assurance of continuous compliance with PM/PM10 and is a reasonable expectation given catalyst-based NOX, CO, VOC controls. During startups, shutdowns and malfunction the following limits apply: 20% opacity (6-minute blocks) except for one 6-minute block per hour of 27% opacity. Use Opacity limit ensures that the requirement of Rule 62-296.406, F.A.C is met.

Additional rules that apply: 62-296.320 Best Management Practices to ensure opacity and PM (see AC permit condition 10 in Section 2). 296.320(2) Objectionable odors are prohibited. 296.320(4)(c) Unconfined Emissions of Particulate Matter.

COMPLIANCE REPORT

The status of the compliance testing and auditing of the facility is as follows.

Program - <u>CAIR (40 CFR 75 continuous monitoring system)</u>
NOx (40 CFR 75 RATA/7E)
SO2 (40 CFR 75 RATA/6C)

CO2 (40 CFR 75 RATA/8)
flow (40 CFR 75 RATA/2, (low, mid and high load)

Program - PSD avoidance by AC permit limits and monitoring
NOx (135 lb/hr 12-month, rolled monthly – measured by CEMS)
SO2 (135 lb/hr 12-month, rolled monthly – measured by CEMS)

PM (11.7 lb/hr by method 5, 5B, or 17)
VOC (method 25 or 25A)
SAM (method 8)
NH3 slip (10 ppmvd)

Program - NSPS limits and monitoring

NOx (0.20 lb/mmbtu, 30-day – measured by CEMS) (subpart Db)
SO2 (0.32 lb/mmbtu, ensured by fuel sulfur content (subpart Db)

CAIR program monitoring has been completed. The compliance report is attached. PSD avoidance and NSPS limits of NOx and SO2 are being monitored and in compliance. As noted above, FPD will complete PM, VOC, SAM, NH3 slip, opacity and CO tests or audits the week of March 31-April 4.

Program - NESHAP limits and monitoring

Not applicable until 1/31/2016
HCl (method 26a) (0.022 lb/mmbtu)
Hg (method 29) (0.0000056 lb/mmbtu)
PM (filterable) (0.051 lb/mmbtu which is compared to PSD avoidance of 0.013 lb/mmbtu based on 10-day rolling average, 2000 ppm @ 3% O2)

Best Management Plan

FPD is required by the AC permit to submit a revised BMP following issuance of the AC permit in condition SC 3.A.3 and FPD submitted the BMP to the agency on March 27, 2013 and a copy of the BMP is attached.

REPORTING, NOTIFICATIONS AND ADDITIONAL APPLICABLE RULES

A number of submissions, reports and notifications were, and continue to be, applicable to the biomass conversion project per the above applicable regulations. These include federal and state rules, as well as compliance requirements outlined in the construction permit. The table below lists the applicable requirements, the regulation source, the applicable unit and the date of completion.

	Requirement	Regulation Source	Applicable Unit	Action

1	Notification of the date construction of boiler commenced.	40 CFR 60.7(a)(1)	Boiler (EU-002)	2012
2	Notification of the actual date of initial startup of the facility.	40 CFR 60.49b(a) & 60.7(a)(3)	Boiler (EU-002)	11/14/13 Letter sent to EPA and FDEP via email 11/22/2013
3	Notification of the anticipated date for conducting the initial opacity or VE observations.	40 CFR 60.7(a)(6); 63.9(e) & (f); 63.7(b)	Boiler (EU-002)	Email sent to EPA and FDEP via email 11/22/2013
4	Notification that COMS data results will be used to determine compliance with opacity standard.	40 CFR 60.7(a)(7) & 63.9(g)(2)	Boiler (EU-002)	AC permit condition
5	Notification of the date the COMS performance evaluation is scheduled to begin.	40 CFR 60.7(a)(5); 60.13(c); 63.9(g)(1); 63.9(e); 63.7(b)	Boiler (EU-002)	Email sent to EPA and FDEP via email 12/06/2013 with followup
6	Conduct a performance evaluation of the COMS.	40 CFR 60.13(c); 63.8(e)(4); 63.7525(c)	Boiler (EU-002)	Ongoing
7	Submit two copies of a written report of the results of the COMS performance evaluation.	40 CFR 60.13(c)(1); 63.10(e)(2)(ii); 63.8(e)(5)(ii)	Boiler (EU-002)	Ongoing
8	Notification of the initial performance test of the COMS.	40 CFR 60.8(d)	Boiler (EU-002)	Email sent to EPA and FDEP via email 12/06/2013 with followup
9	Conduct the initial performance test of the COMS.	40 CFR 60.8(a)	Boiler (EU-002)	Ongoing
10	Submit the performance test data from the initial performance test of the COMS.	AC Permit Condition 4.Appendix CTR	Boiler (EU-002)	Ongoing
11	Notification of the date of the performance test and performance evaluation for the CEMS (SO_2, PM, NO_x, CO).	40 CFR 60.8(d); 63.9(e); 63.7(b); 63.7545(d); 63.9(g)(1); 63.8(e)(2)	Boiler (EU-002)	Email sent to EPA and FDEP via email 11/22/2013 with followup
12	Conduct initial performance test and performance evaluation of the CEMS (SO_2, PM, NO_x, CO).	40 CFR 60.49b(b); 60.8(a); 63.8(e)(4); 63.7510(a); 63.7510(c); 63.7510(d); 63.7510(e); 63.7525(b); 63.7525(a)(2)(i); 63.7525(a)(2)(v)	Boiler (EU-002)	Ongoing
13	Submit the performance test data from the initial performance test and performance evaluation of the CEMS (SO_2, PM, NO_x, CO).	40 CFR 60.49b(b); 63.10(d)(2); 63.10(e)(2)(i); 63.8(e)(5)(i); AC Permit Cond. 4.Appendix CTR	Boiler (EU-002)	Ongoing
14	Submit application for a Title V operation permit.	AC Permit Cond. 2.11	Entire Facility	This application
15	Submit notification of final engineering design changes to baghouse.	AC Permit Cond. 3.A.2.	Biomass Handling (EU-001)	This application
16	Submit final BMP plan to minimize fugitive PM emissions.	AC Permit Cond. 3.A.3.	Biomass Handling (EU-001)	Email sent to FDEP via email 3/27/13
17	Conduct initial VE compliance tests.	AC Permit Cond. 3.A.10., 3.C.6., 3.D.6.	EU-001, EU-003, EU-004	3/14/14
18	Notification of the date, time, and place of the initial VE compliance	AC Permit Cond. 3.A.12 & 4. Appendix	EU-001, EU-003, EU-004	Email sent to EPA and FDEP via email 3/10/14

	tests.	CTR		with followup
19	Submit report for initial VE compliance tests.	AC Permit Cond. 3.A.14., 3.D.9., & 4. Appendix CTR	EU-001, EU-003, EU-004	Ongoing
20	Notification of the date, time, and place of the boiler performance test.	AC Permit Cond. 4.Appendix CTR	Boiler (EU-002)	Conducted 1/9/14
21	Conduct boiler performance test to determine the boiler thermal efficiency.	AC Permit Cond. 3.B.20.	Boiler (EU-002)	Conducted 1/9/14
22	Submit results of boiler performance test.	AC Permit Cond. 3.B.20.	Boiler (EU-002)	Email sent to EPA and FDEP via email 2/9/14 with followup
23	Conduct stack test to demonstrate initial compliance with the emission standards for NH_3 slip, PM, SAM, and VOC.	AC Permit Cond. 3.B.22	Boiler (EU-002)	Ongoing
24	Submit report for initial stack tests.	AC Permit Cond. 4. Appendix CTR	Boiler (EU-002)	Ongoing
25	Submit notification of the dates of recertification testing for the NO_x and SO_2 CEMS.	40 CFR 96.171(d)(3)(i); 96.271(d)(3)(i); 96.173; 96.273; 96.371(d)(3)(i); 96.373; 75.61(a)(1)(i)	Boiler (EU-002)	Email sent to EPA and FDEP via email 12/06/2013 with followup
26	Conduct recertification tests of NO_x and SO_2 CEMS in accordance with § 75.20(b)	40 CFR 96.170(a)(2); 96.270(a)(2); 96.171(d)(2); 96.271(d)(2); 96.170(b)(3); 96.270(b)(3); 96.370(a)(2); 96.371(d)(2); 96.370(b)(4)	Boiler (EU-002)	2/14/14
27	Submit a recertification application for the NO_x and SO_2 CEMS.	40 CFR 96.171(d)(3)(ii); 96.271(d)(3)(ii); 96.371(d)(3)(ii); 96.174(c); 96.274(c); 96.374(c)	Boiler (EU-002)	Ongoing
28	Prepare, maintain, and submit a monitoring plan for each affected unit or group of units monitored at a common stack.	40 CFR 96.174(b); 96.274(b); 96.374(b); 75.73(c) & (e); 75.62	Boiler (EU-002)	Email sent to EPA and FDEP via email 12/06/2013 with followup
29	Develop and submit a CEMS Operation Plan.	AC Permit Cond. 4.Appendix CEMS	Boiler (EU-002)	Monitoring plan submitted to EPA and FDEP in 12/6 letter

PROCEDURES FOR STARTUP AND SHUTDOWN

The boiler is equipped with start-up ignition burners using ultra low sulfur distillate (ULSD) fuel oil or natural gas. The duration of total startup time on natural gas and ULSD is estimated to be approximately 100 hr/yr. The general fuel characteristics and specifications for both of these fuels were discussed in a prior section of this document. ULSD has a typical heat content of 19,500 Btu/lb with a maximum sulfur content of 0.0015%, by weight. Natural gas has a typical heat content of 1,020 Btu/scf with a maximum sulfur content of 2 grains per 100 standard cubic feet of gas. Based on these characteristics, and as displayed in the application for construction permit 0530380-001-AC, hourly emission rates during startup and shutdown periods for all pollutants are less than the emission rates during normal operation.

LIST OF INSIGNIFICANT ACTIVITIES

FPD has the following insignificant activities that are considered insignificant activities.

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, or that meet the criteria specified in Rule 62-210.300(3)(b)1., F.A.C., Generic Emissions Unit Exemption, are exempt from the permitting requirements of Chapters 62-210, 62-212 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

The below listed emissions units and/or activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

- two 400-gallon above ground tank diesel storage tanks-loader
- Miscellaneous new and used oil drums in storage building
- Laboratory equipment used exclusively for chemical or physical analyses
- Brazing, soldering, or welding equipment
- Fire and safety equipment
- Petroleum lubrication systems
- parts washer/degreasing units with 30-gallon drum
- Solvent storage and cleaning operations
- Miscellaneous steam and condensate vents
- Aqueous ammonia (19-percent) storage tank
- Compressed nitrogen and gases bottles
- Compressed air systems
- Water treatment systems
- Miscellaneous painting activities
- Miscellaneous electrical equipment
- Enclosed transformers
- Tank truck unloading area

ATTACHMENTS

1) CAIR CEMS certification report February 13-15, 2014 (electronic copy only)
2) Best Management Plan submitted March 27, 2013 (electronic copy only)

CAIR CEMS certification report February 13-15, 2014 (electronic copy only)

Best Management Plan submitted March 27, 2013 (electronic copy only)

Department of
Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit:

- For any required purpose at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air operation permit;
- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment new source review, or maximum achievable control technology (MACT);
- To assume a restriction on the potential emissions of one or more pollutants to escape a requirement such as PSD review, nonattainment new source review, MACT, or Title V; or
- To establish, revise, or renew a plantwide applicability limit (PAL).

Air Operation Permit – Use this form to apply for:

- An initial federally enforceable state air operation permit (FESOP); or
- An initial, revised, or renewal Title V air operation permit.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: **Florida Power Development, LLC**	
2. Site Name: **Brooksville Power Plant**	
3. Facility Identification Number: **0530380**	
4. Facility Location... Street Address or Other Locator: **10311 Cement Plant Road** City: **Brooksville** County: **Hernando** Zip Code: **34601**	
5. Relocatable Facility? ☐ Yes ☒ No	6. Existing Title V Permitted Facility? ☒ Yes ☐ No

Application Contact

1. Application Contact Name: **Max Lee, Ph.D., P.E.**
2. Application Contact Mailing Address... Organization/Firm: **Koogler and Associates, Inc.** Street Address: **4014 NW 13th Street** City: **Gainesville** State: **Florida** Zip Code: **32609**
3. Application Contact Telephone Numbers... Telephone: **(352) 377 - 5822** ext. **13** Fax: **(352) 377 - 7158**
4. Application Contact E-mail Address: **mlee@kooglerassociates.com**

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	3. PSD Number (if applicable):
2. Project Number(s):	4. Siting Number (if applicable):

APPLICATION INFORMATION

Purpose of Application

This application for air permit is being submitted to obtain: (Check one)

Air Construction Permit

☐ Air construction permit.

☐ Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).

☐ Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

Air Operation Permit

☒ Initial Title V air operation permit.

☐ Title V air operation permit revision.

☐ Title V air operation permit renewal.

☐ Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.

☐ Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)

☐ Air construction permit and Title V permit revision, incorporating the proposed project.

☐ Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

☐ I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

This application is for the Initial Title V permit. The original air construction permit for the facility was 0530038-001-AC. Information for controls of units that have been permitted under 0530021 and were in operation under the coal-fired unit (EU003 and EU004) is referenced to FDEP file .

APPLICATION INFORMATION

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Processing Fee
001	Biomass Handling, Storage and Processing	AV	
002	Woody Biomass-Fueled Grate-Suspension Boiler	AV	
003	Ash and Handling, Storage and Shipment	AV	
004	IDSIS Sorbent Handling and Storage	AV	
005	Emergency Equipment	AV	

Application Processing Fee

Check one: [ ] Attached - Amount: $_____ [X] Not Applicable

APPLICATION INFORMATION

Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name :

2. Owner/Authorized Representative Mailing Address...
   Organization/Firm:
   Street Address:
   City: State: Zip Code:

3. Owner/Authorized Representative Telephone Numbers...
   Telephone: ( ) - ext. Fax: ( ) -

4. Owner/Authorized Representative E-mail Address:

5. Owner/Authorized Representative Statement:

   I, the undersigned, am the owner or authorized representative of the corporation, partnership, or other legal entity submitting this air permit application. To the best of my knowledge, the statements made in this application are true, accurate and complete, and any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department.

   Signature Date

APPLICATION INFORMATION

Application Responsible Official Certification

Complete if applying for an initial, revised, or renewal Title V air operation permit or concurrent processing of an air construction permit and revised or renewal Title V air operation permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: **Terry Woodard**

2. Application Responsible Official Qualification (Check one or more of the following options, as applicable):

- ☐ For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C.
- ☐ For a partnership or sole proprietorship, a general partner or the proprietor, respectively.
- ☐ For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official.
- ☐ The designated representative at an Acid Rain source or CAIR source.

3. Application Responsible Official Mailing Address...
Organization/Firm: **Florida Power Development, LLC**
Street Address: **10311 Cement Plant Road**
City: **Brooksville** State: **FL** Zip Code: **34601**

4. Application Responsible Official Telephone Numbers...
Telephone: **(352) 799-7881** ext. Fax: ()

5. Application Responsible Official E-mail Address: **wwoodard@deltapowerservices.com**

6. Application Responsible Official Certification:

I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.

Signature Date

APPLICATION INFORMATION

Professional Engineer Certification (415 ILCS 5/39.2)

1. Professional Engineer Name: **Max Lee, Ph.D., P.E.**
   Registration Number: **58091**
2. Professional Engineer Mailing Address...
   Organization/Firm: **Koogler and Associates, Inc.**
   Street Address: **4014 NW 13th Street**
   City: **Gainesville** State: **Florida** Zip Code: **32609**
3. Professional Engineer Telephone Numbers...
   Telephone: (**352**) **377 - 5822** ext. **13** Fax: (**352**) **377 - 7158**
4. Professional Engineer E-mail Address: **mlee@kooglerassociates.com**
5. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

(3) If the purpose of this application is to obtain a Title V air operation permit (check here ☐ , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.

(4) If the purpose of this application is to obtain an air construction permit (check here ☐ , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here ☐ , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

_____ _____
Signature Date

(seal)

* Attach any exception to certification statement.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates... Zone **17** **360.0** East (km) **3162.5** North (km)		2. Facility Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
3. Governmental Facility Code: **0**	4. Facility Status Code: **A**	5. Facility Major Group SIC Code: **32**	6. Facility SIC(s): **3241**
7. Facility Comment :			

Facility Contact

1. Facility Contact Name: **Larry Roberts**
2. Facility Contact Mailing Address... Organization/Firm: **Florida Power Development, LLC** Street Address: **10311 Cement Plant Road** City: **Brooksville** State: **FL** Zip Code: **34601**
3. Facility Contact Telephone Numbers: Telephone: (**352**) **799-7881** ext. Fax: ()
4. Facility Contact E-mail Address: **lroberts@deltapowerservices.com**

Facility Primary Responsible Official

Complete if an "application responsible official" is identified in Section I that is not the facility "primary responsible official."

1. Facility Primary Responsible Official Name:
2. Facility Primary Responsible Official Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Facility Primary Responsible Official Telephone Numbers... Telephone: ( ) - ext. Fax: ( ) -
4. Facility Primary Responsible Official E-mail Address:

FACILITY INFORMATION

Facility Regulatory Classifications

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a "major source" and a "synthetic minor source."

1. ☐ Small Business Stationary Source	☐ Unknown
2. ☐ Synthetic Non-Title V Source	
3. ☒ Title V Source	
4. ☒ Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5. ☐ Synthetic Minor Source of Air Pollutants, Other than HAPs	
6. ☒ Major Source of Hazardous Air Pollutants (HAPs)	
7. ☐ Synthetic Minor Source of HAPs	
8. ☐ One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9. ☐ One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10. ☒ One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11. ☐ Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment:	

FACILITY INFORMATION

List of Pollutants Emitted by Facility

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
CO	**A**	**N**
NO_x	**A**	**N**
PM/PM_{10}	**A**	**N**
$PM_{2.5}$	**B**	**N**
SO_2	**A**	**N**
VOC	**B**	**N**
HAPs	**A**	**N**
SAM	**B**	**N**
Hg	**B**	**N**
HCl	**A**	**N**
CO_{2e}	**N/A**	

B. EMISSIONS CAPS

Facility-Wide or Multi-Unit Emissions Caps

1. Pollutant Subject to Emissions Cap	2. Facility-Wide Cap [Y or N]? (all units)	3. Emissions Unit ID's Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap

7. Facility-Wide or Multi-Unit Emissions Cap Comment:

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) ☐ Attached, Document ID:_____ ☒ Previously Submitted, Date: **Sept 26, 2011**
2.	Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) ☐ Attached, Document ID: _____ ☒ Previously Submitted, Date: **Sept 26, 2011**
3.	Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) ☐ Attached, Document ID: _____ ☒ Previously Submitted, Date: **Sept 26, 2011**

Additional Requirements for Air Construction Permit Applications

1.	Area Map Showing Facility Location: ☐ Attached, Document ID:_____ ☒ Not Applicable (existing permitted facility)
2.	Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL): ☐ Attached, Document ID:_____
3.	Rule Applicability Analysis: ☒ Attached, Document ID: **Appendix 1**
4.	List of Exempt Emissions Units: ☐ Attached, Document ID:_____ ☒ Not Applicable (no exempt units at facility)
5.	Fugitive Emissions Identification: ☐ Attached, Document ID:_____ ☒ Not Applicable
6.	Air Quality Analysis (Rule 62-212.400(7), F.A.C.): ☐ Attached, Document ID:_____ ☒ Not Applicable
7.	Source Impact Analysis (Rule 62-212.400(5), F.A.C.): ☐ Attached, Document ID:_____ ☒ Not Applicable
8.	Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.): ☐ Attached, Document ID:_____ ☒ Not Applicable
9.	Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.): ☐ Attached, Document ID:_____ ☒ Not Applicable
10.	Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): ☐ Attached, Document ID:_____ ☒ Not Applicable

C. FACILITY ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for FESOP Applications

1. List of Exempt Emissions Units:
   ☐ Attached, Document ID:_____ ☒ Not Applicable (no exempt units at facility)

Additional Requirements for Title V Air Operation Permit Applications

1. List of Insignificant Activities: (Required for initial/renewal applications only)
   ☒ Attached, Document ID: **Appendix 1** ☐ Not Applicable (revision application)

2. Identification of Applicable Requirements: (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1**
   ☐ Not Applicable (revision application with no change in applicable requirements)

3. Compliance Report and Plan: (Required for all initial/revision/renewal applications)
   ☐ Attached, Document ID:_____
   Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.

4. List of Equipment/Activities Regulated under Title VI: (If applicable, required for initial/renewal applications only)
   ☐ Attached, Document ID:_____
   ☐ Equipment/Activities Onsite but Not Required to be Individually Listed
   ☒ Not Applicable

5. Verification of Risk Management Plan Submission to EPA: (If applicable, required for initial/renewal applications only)
   ☐ Attached, Document ID:_____ ☒ Not Applicable

6. Requested Changes to Current Title V Air Operation Permit:
   ☐ Attached, Document ID:_____ ☒ Not Applicable

C. FACILITY ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Facilities Subject to Acid Rain, CAIR, or Hg Budget Program

1. Acid Rain Program Forms:

   Acid Rain Part Application (DEP Form No. 62-210.900(1)(a)):
   ☐ Attached, Document ID:_____ ☐ Previously Submitted, Date:_____
   ☒ Not Applicable (not an Acid Rain source)

   Phase II NO_X Averaging Plan (DEP Form No. 62-210.900(1)(a)1.):
   ☐ Attached, Document ID:_____ ☐ Previously Submitted, Date:_____
   ☒ Not Applicable

   New Unit Exemption (DEP Form No. 62-210.900(1)(a)2.):
   ☐ Attached, Document ID:_____ ☐ Previously Submitted, Date:_____
   ☒ Not Applicable

2. CAIR Part (DEP Form No. 62-210.900(1)(b)):
   ☐ Attached, Document ID:_____ ☒ Previously Submitted, Date: **Sept. 26, 2011**
   ☐ Not Applicable (not a CAIR source)

Additional Requirements Comment

III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for an initial, revised or renewal Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for an air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application – Where this application is used to apply for both an air construction permit and a revised or renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes, and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this application that is subject to air construction permitting and for each such emissions unit that is a regulated or unregulated unit for purposes of Title V permitting. (An emissions unit may be exempt from air construction permitting but still be classified as an unregulated unit for Title V purposes.) Emissions units classified as insignificant for Title V purposes are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

- [X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
- [ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- [X] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:
Biomass Handling, Storage and Processing

3. Emissions Unit Identification Number: **001**

4. Emissions Unit Status Code:	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:
A	2012	10/1/2013	**49**

8. Federal Program Applicability: (Check all that apply)

- [ ] Acid Rain Unit
- [ ] CAIR Unit

9. Package Unit:
Manufacturer: Model Number:

10. Generator Nameplate Rating:

11. Emissions Unit Comment: **This emission unit consists of the biomass receiving and conveyance system, the biomass storage pile and the biomass boiler feed system.**

Emissions Unit Control Equipment/Method: Control 1_ of 1 _

1. Control Equipment/Method Description: **Baghouses for sizing screen, magnetic separator and hog mill enclosure Fabric Filter Low Temp (T<180F) - 018**
2. Control Device or Method Code: see above

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate:	
2. Maximum Production Rate:	
3. Maximum Heat Input Rate: million Btu/hr	
4. Maximum Incineration Rate: pounds/hr tons/day	
5. Requested Maximum Operating Schedule: hours/day weeks/year	days/week **8,760** hours/year

6. Operating Capacity/Schedule Comment:

The hours of operations of this unit are not limited. There are design specifications of this EU's equipment.
-Truck unloading area designed to receive 150 TPH.
-Unloading conveyor system designed for a capacity of 450 TPH.
-Design of the covered conveyor of 450 TPH.
-Reclaim hoppers designed to process 100 TPH.
-Biomass feed system conveyor system to have a design capacity of 200 TPH.
-Sizing scree, magnetic separator and hog mill design rate of 200 TPH.
-Conveying system from screen/separator/hog mill to the grate-suspension boiler of 200 TPH.
-Boiler day bins designed to provide biomass to grate-suspension boiler rate of 200 TPH.

The open storage pile limited to 40,000 tons.

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: **see diagram**	2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: **See Appendix 1 diagram of emission points layout.**		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
5. Discharge Type Code:	6. Stack Height: Feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: Acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: Dscfm	12. Nonstack Emission Point Height: Feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):	14. Emission Point Latitude/Longitude… Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
15. Emission Point Comment: **These emission points are a series of emission locations in the biomass yard.**		

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment **1** of **2**

1. Segment Description (Process/Fuel Type): **Industrial Processes → Miscellaneous Manufacturing Industries → Miscellaneous** **Industrial Processes → Grinding/Screening**		
2. Source Classification Code (SCC): **3-99-999-99**	3. SCC Units: **Tons**	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

Segment Description and Rate: Segment **2** of **2**

1. Segment Description (Process/Fuel Type): **Industrial Processes → Miscellaneous Manufacturing Industries → Miscellaneous** **Industrial Processes → Material Conveyance**		
2. Source Classification Code (SCC): **3-99-999-99**	3. SCC Units: **Tons**	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	**018**		**EL**
PM10	**018**		**EL**
PM2.5	**018**		**EL**

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM**	2. Total Percent Efficiency of Control:
3. Potential Emissions: 1.94 lb/hour 8.5 tons/year	4. Synthetically Limited? ☐ Yes ☒ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code: 5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years

10. Calculation of Emissions:
Based on the AC application.

11. Potential, Fugitive, and Actual Emissions Comment:
Emissions limitations not applicable for this emission unit. Visible emissions limitation required.

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions __ of ___

1. Basis for Allowable Emissions Code: **N/A**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance: **Method 9**	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM10**	2. Total Percent Efficiency of Control:
3. Potential Emissions: 0.291 lb/hour 1.27 tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code: 5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions: **Based on the AC application.**	
11. Potential, Fugitive, and Actual Emissions Comment: **Emissions limitations not applicable for this emission unit. Visible emissions limitation required.**	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions __ of ___

1. Basis for Allowable Emissions Code: **N/A**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance: **Method 9**	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM2.5**	2. Total Percent Efficiency of Control:
3. Potential Emissions: 0.075 lb/hour 0.33 tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code: 5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions: **Based on the AC application.**	
11. Potential, Fugitive, and Actual Emissions Comment: **Emissions limitations not applicable for this emission unit. Visible emissions limitation required.**	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions __ of ___

1. Basis for Allowable Emissions Code: **N/A**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance: **Method 9**	
6. Allowable Emissions Comment (Description of Operating Method):	

G. VISIBLE EMISSIONS INFORMATION

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation **1** of **1**

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Allowable Opacity: Normal Conditions: **10** % Exceptional Conditions: **20** % Maximum Period of Excess Opacity Allowed: **6** min/hour	
4. Method of Compliance: **Method 9**	
5. Visible Emissions Comment:	

H. CONTINUOUS MONITOR INFORMATION

Complete Subsection H if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor **N/A** of **N/A**

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	☐ Rule ☐ Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   [X] Attached, Document ID: **Att. 1** [ ] Previously Submitted, Date _____

2. Fuel Analysis or Specification: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   [ ] Attached, Document ID: _ [X] Previously Submitted, Date Sept 26, 2011

3. Detailed Description of Control Equipment: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   [ ] Attached, Document ID: _ [X] Previously Submitted, Date Sept 26, 2011

4. Procedures for Startup and Shutdown: (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   [ ] Attached, Document ID: _ [ ] Previously Submitted, Date _____
   [X] Not Applicable (construction application)

5. Operation and Maintenance Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   [ ] Attached, Document ID: [ ] Previously Submitted, Date _____
   [X] Not Applicable

6. Compliance Demonstration Reports/Records:
   [ ] Attached, Document ID: _____
   Test Date(s)/Pollutant(s) Tested: _____
   [ ] Previously Submitted, Date: _____
   Test Date(s)/Pollutant(s) Tested: _____
   [X] To be Submitted, Date (if known): _____
   Test Date(s)/Pollutant(s) Tested: VE
   [ ] Not Applicable

   Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.

7. Other Information Required by Rule or Statute:
   [ ] Attached, Document ID: _____ [ ] Not Applicable

I. EMISSIONS UNIT ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)): ☐ Attached, Document ID: _____ ☒ Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rules 62-212.400(4)(d) and 62-212.500(4)(f), F.A.C.): ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Description of Stack Sampling Facilities: (Required for proposed new stack sampling facilities only) ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements: ☐ Attached, Document ID: _____
2. Compliance Assurance Monitoring: ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Alternative Methods of Operation: ☐ Attached, Document ID: _____ ☒ Not Applicable
4. Alternative Modes of Operation (Emissions Trading): ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements Comment

III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for an initial, revised or renewal Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for an air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application – Where this application is used to apply for both an air construction permit and a revised or renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes, and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this application that is subject to air construction permitting and for each such emissions unit that is a regulated or unregulated unit for purposes of Title V permitting. (An emissions unit may be exempt from air construction permitting but still be classified as an unregulated unit for Title V purposes.) Emissions units classified as insignificant for Title V purposes are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

[ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section: **Grate-Suspension Boiler**

3. Emissions Unit Identification Number: **002**

4. Emissions Unit Status Code: **A**	5. Commence Construction Date: 2012	6. Initial Startup Date: 10/1/13	7. Emissions Unit Major Group SIC Code: **49**

8. Federal Program Applicability: (Check all that apply)

[ ] Acid Rain Unit

[X] CAIR Unit

9. Package Unit:
Manufacturer: Model Number:

10. Generator Nameplate Rating: 80 MW

11. Emissions Unit Comment: coal-fired boiler converted to biomass boiler

EMISSIONS UNIT INFORMATION
Section [2] of [5]

Emissions Unit Control Equipment/Method: Control **1** of **4**

1. Control Equipment/Method Description: **Electrostatic Precipitator**
2. Control Device or Method Code: **128**

Emissions Unit Control Equipment/Method: Control **2** of **4**

1. Control Equipment/Method Description: **Dry Limestone Injection**
2. Control Device or Method Code: **041**

Emissions Unit Control Equipment/Method: Control **3** of **4**

1. Control Equipment/Method Description: **Catalytic Oxidizer**
2. Control Device or Method Code: **109**

Emissions Unit Control Equipment/Method: Control **4** of **4**

1. Control Equipment/Method Description: **Selective Catalytic Reduction (SCR)**
2. Control Device or Method Code: **139**

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate: **70-80 MW Gross**	
2. Maximum Production Rate:	
3. Maximum Heat Input Rate: **900** million Btu/hr	
4. Maximum Incineration Rate: pounds/hr tons/day	
5. Requested Maximum Operating Schedule: hours/day weeks/year	 days/week **8,760** hours/year
6. Operating Capacity/Schedule Comment: **The boiler is rated at a nominal 900 million Btu/hr on a 4-hour average basis.** **The hours of operation of this emission unit are not restricted.**	

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	2. Emission Point Type Code: **1**	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: **165-foot vertical stack**		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
5. Discharge Type Code:V	6. Stack Height: Feet **165**	7. Exit Diameter: Feet **12**
8. Exit Temperature: 340 °F	9. Actual Volumetric Flow Rate: 390,000 acfm	10. Water Vapor: 18 %
11. Maximum Dry Standard Flow Rate: 205,000 dscfm	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):	14. Emission Point Latitude/Longitude… Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
15. Emission Point Comment:		

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment **1** of **1**

1. Segment Description (Process/Fuel Type): **External Combustion Boilers → Electric Generation → Wood/Bark Waste → Wood/Bark Fired Boiler**		
2. Source Classification Code (SCC): **1-01-009-02**	3. SCC Units: **Tons Combusted**	
4. Maximum Hourly Rate: 90	5. Maximum Annual Rate: 788,400	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.05	8. Maximum % Ash:	9. Million Btu per SCC Unit: 10
10. Segment Comment: Unit capacity defined by 900 mmbtu/hr heat input. Based on assumed wood heat content of 5000 btu/lb, 90 ton/hr of wood. 8760 hr/yr/		

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
CO	**109**		**EL**
NO_x	**139**		**EL**
PM/PM_{10}	**128**		**EL**
$PM_{2.5}$	**128**		**EL**
SO_2	**041**		**EL**
VOC			**EL**
HAPs			**EL**
SAM			**EL**
H106 (HCl)	**041**		**NS/ EL in 2016**
CO_{2e}			**NS**
H114 (Hg)			**NS/ EL in 2016**

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **CO**	2. Total Percent Efficiency of Control:	
3. Potential Emissions: **40.5** lb/hour 177.4 tons/year		4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference: ESCPSD		7. Emissions Method Code: 3B
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years	
10. Calculation of Emissions: **Based on the AC application.**		
11. Potential, Fugitive, and Actual Emissions Comment: **Synthetically limited to avoid PSD.**		

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: **AVOID PSD**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: **40.5 lb/hr, 12-month, rolled monthly**	4. Equivalent Allowable Emissions: **40.5** lb/hour 177.4 tons/year
5. Method of Compliance: **CEMS**	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **NOx**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **135** lb/hour 591.3 tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code: 1
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions: **Based on the AC application.**	
11. Potential, Fugitive, and Actual Emissions Comment: **Synthetically limited to avoid PSD.**	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: **ESCPSD**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: **Avoid PSD - 135 lb/hr, 12-month, rolled monthly**	4. Equivalent Allowable Emissions: **135** lb/hour tons/year
5. Method of Compliance: **CEMS**	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions **2** of **2**

1. Basis for Allowable Emissions Code: **NSPS Subpart Db**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: NSPS- **0.20 lb/MMBtu, 30-day basis**	4. Equivalent Allowable Emissions: **180** lb/hour tons/year
5. Method of Compliance: **CEMS**	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM/PM10**	2. Total Percent Efficiency of Control:	
3. Potential Emissions: **11.7** lb/hour 51.2 tons/year		4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:		7. Emissions Method Code: 3B
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years	

10. Calculation of Emissions:
Based on the AC application.

11. Potential, Fugitive, and Actual Emissions Comment:
Synthetically limited to avoid PSD. Value is below ESCPSD maximum value.

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: **NSPS Subpart Db**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: **11.7 lb/hr**	4. Equivalent Allowable Emissions: **11.7** lb/hour tons/year
5. Method of Compliance: **Method 5**	
6. Allowable Emissions Comment (Description of Operating Method): **Limit lower than required to avoid PSD.** **Limit determined based on approximation of 0.013 lb/MMBtu, which insures compliance with 40 CFR 60 Subpart Db limit of 0.030 lb PM/MMBtu.**	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM2.5**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **7.6** lb/hour 33.2 tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code:5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Potential, Fugitive, and Actual Emissions Comment: **Potential emissions based on calculations from 0530380-001-AC Application**	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **N/A** of **N/A**

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **SO2**	2. Total Percent Efficiency of Control:	
3. Potential Emissions: **135** lb/hour 591.3 tons/year		4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:		7. Emissions Method Code: 1
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years	

10. Calculation of Emissions:
Based on the AC application.

11. Potential, Fugitive, and Actual Emissions Comment:
Synthetically limited to avoid PSD. Value is below effective rate of lb/mmbtu required by NSPS Da, 0.32 lb/mmbtu.

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: **ESCPSD**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: **135 lb/hr, 12-month, rolled monthly**	4. Equivalent Allowable Emissions: **135** lb/hour tons/year
5. Method of Compliance: **CEMS**	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **VOC**	2. Total Percent Efficiency of Control:	
3. Potential Emissions: **9.0** lb/hour 39.4 tons/year		4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:		7. Emissions Method Code: 5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years	

10. Calculation of Emissions:
Based on the AC application.

11. Potential, Fugitive, and Actual Emissions Comment:
Synthetically limited to avoid PSD.

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: **ESCPSD**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: **9.0 lb/hr**	4. Equivalent Allowable Emissions: **9.0** lb/hour tons/year
5. Method of Compliance: **Method 25, 25A, or 18**	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **HAPs**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **39.4** lb/hour **172.6** tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code: 5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions: **Based on the AC application.**	
11. Potential, Fugitive, and Actual Emissions Comment: **Potential emissions based on calculations from 0530380-001-AC Application**	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **N/A** of **N/A**

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **Sulfuric Acid Mist (SAM)**	2. Total Percent Efficiency of Control:	
3. Potential Emissions: **2.2** lb/hour 9.5 tons/year		4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:		7. Emissions Method Code: 3B
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years	

10. Calculation of Emissions:
Based on the AC application.

11. Potential, Fugitive, and Actual Emissions Comment:
Synthetically limited to avoid PSD.

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: **ESCPSD**	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: **2.2 lb/hr**	4. Equivalent Allowable Emissions: **2.2** lb/hour tons/year
5. Method of Compliance: **Method 8**	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **114 -Hg**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **0.0005** lb/hour **0.19** tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference: NESHAP DDDDD	7. Emissions Method Code: 5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions: **Based on limit of NESHAP, 0.0000056 lb/mmbtu, which must comply in 2016. Equivalent to 4.1 lb/yr**	
11. Potential, Fugitive, and Actual Emissions Comment:	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: **NESHAP**	2. Future Effective Date of Allowable Emissions: 1/31/2016
3. Allowable Emissions and Units: 0.0000056 lb/mmbtu	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance: **M29**	
6. Allowable Emissions Comment (Description of Operating Method): NESHAP limit to apply in 2016 of 0.0000056 lb/mmbtu	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **H106 – Hydrogen Chloride (HCl)**	2. Total Percent Efficiency of Control:
3. Potential Emissions: **19.8** lb/hour **86.7** tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: NESHAP DDDDD Reference: 0.022 lb/mmbtu	7. Emissions Method Code: **5**
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions: NESHAP DDDDD limit in 2016 of 0.022 lb/mmbtu x 900 mmbtu/hr	
11. Potential, Fugitive, and Actual Emissions Comment:	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code: NESHAP	2. Future Effective Date of Allowable Emissions: 1/31/2016
3. Allowable Emissions and Units: 0.022 lb/mmbtu	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance: M 26A	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **CO2e**	2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour **25,459** tons/year		4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:		7. Emissions Method Code: 5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years	
10. Calculation of Emissions:		
11. Potential, Fugitive, and Actual Emissions Comment: **Potential emissions based on calculations from 0530380-001-AC Application**		

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **N/A** of **N/A**

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

G. VISIBLE EMISSIONS INFORMATION

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation **1** of **1**

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Allowable Opacity: Normal Conditions: **10** % Exceptional Conditions: **20** % Maximum Period of Excess Opacity Allowed: **6** min/hour	
4. Method of Compliance: **COMS**	
5. Visible Emissions Comment: Opacity: During startup, shutdown and malfunctions, the stack opacity shall not exceed 20% based on 6-minute block averages, except for one 6-minute block per hour that shall not exceed 27% opacity.	

H. CONTINUOUS MONITOR INFORMATION

Complete Subsection H if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor **1** of **5**

1. Parameter Code: EM	2. Pollutant(s): **CO**
3. CMS Requirement:	☐ Rule ☒ Other
4. Monitor Information. Manufacturer: Model Number:	Serial Number:
5. Installation Date: 10/1/2013	6. Performance Specification Test Date: Expected to be 3/31/2014
7. Continuous Monitor Comment: monitor of CO to avoid PSD	

Continuous Monitoring System: Continuous Monitor **2** of **5**

1. Parameter Code: EM	2. Pollutant(s): **SO2**
3. CMS Requirement:	☒ Rule ☒ Other
4. Monitor Information. Manufacturer: Model Number:	Serial Number:
5. Installation Date: 2008	6. Performance Specification Test Date: 2/14/2014
7. Continuous Monitor Comment: monitor to avoid PSD and NSPS Da and CAIR	

H. CONTINUOUS MONITOR INFORMATION (CONTINUED)

Continuous Monitoring System: Continuous Monitor **3** of **5**

1. Parameter Code: EM	2. Pollutant(s): **NOx**
3. CMS Requirement:	[X] Rule [X] Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date: 2008	6. Performance Specification Test Date: 2/14/14
7. Continuous Monitor Comment: monitor to avoid PSD and CAIR	

Continuous Monitoring System: Continuous Monitor **4** of **5**

1. Parameter Code: EM	2. Pollutant(s): **FLOW**
3. CMS Requirement:	[X] Rule [X] Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date: 2008	6. Performance Specification Test Date: 2/15/14
7. Continuous Monitor Comment: monitor to avoid PSD and NSPS Da and CAIR	

H. CONTINUOUS MONITOR INFORMATION (CONTINUED)

Continuous Monitoring System: Continuous Monitor **5** of **5**

1. Parameter Code: EM	2. Pollutant(s): **CO2**
3. CMS Requirement:	[X] Rule [X] Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date: 2008	6. Performance Specification Test Date: 2/14/14
7. Continuous Monitor Comment: monitor to 40 CFR 98 and CAIR	

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _____ ☒ Previously Submitted, Date **Sept. 26, 2011**

2. Fuel Analysis or Specification: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____

3. Detailed Description of Control Equipment: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____

4. Procedures for Startup and Shutdown: (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____
   ☐ Not Applicable (construction application)

5. Operation and Maintenance Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: Appendix 1 ☐ Previously Submitted, Date _____
   ☐ Not Applicable

6. Compliance Demonstration Reports/Records:
   ☒ Attached, Document ID: Attachments
   Test Date(s)/Pollutant(s) Tested: **NOx, SO2, CO2, flow**
   ☐ Previously Submitted, Date: _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☒ To be Submitted, Date (if known): _____
   Test Date(s)/Pollutant(s) Tested: **PM, VOC, SAM, CO, opacity, NH3 slip**
   ☐ Not Applicable
   Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.

7. Other Information Required by Rule or Statute:
   ☐ Attached, Document ID: _____ ☐ Not Applicable

I. EMISSIONS UNIT ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)): ☐ Attached, Document ID: _____ ☒ Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rules 62-212.400(4)(d) and 62-212.500(4)(f), F.A.C.): ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Description of Stack Sampling Facilities: (Required for proposed new stack sampling facilities only) ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements: ☐ Attached, Document ID: _____
2. Compliance Assurance Monitoring: ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Alternative Methods of Operation: ☐ Attached, Document ID: _____ ☒ Not Applicable
4. Alternative Modes of Operation (Emissions Trading): ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements Comment

III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for an initial, revised or renewal Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for an air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application – Where this application is used to apply for both an air construction permit and a revised or renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes, and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this application that is subject to air construction permitting and for each such emissions unit that is a regulated or unregulated unit for purposes of Title V permitting. (An emissions unit may be exempt from air construction permitting but still be classified as an unregulated unit for Title V purposes.) Emissions units classified as insignificant for Title V purposes are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

- [X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
- [ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- [X] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:
Ash and Handling, Storage and Shipment

3. Emissions Unit Identification Number: **003**

4. Emissions Unit Status Code:	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:
A	2012	10/1/2013	**49**

8. Federal Program Applicability: (Check all that apply)

- [ ] Acid Rain Unit
- [ ] CAIR Unit

9. Package Unit:
Manufacturer: Model Number:

10. Generator Nameplate Rating: MW

11. Emissions Unit Comment:

EMISSIONS UNIT INFORMATION
Section [3] of [5]

Emissions Unit Control Equipment/Method: Control **1** of **1**

1. Control Equipment/Method Description: **Fabric Filter – High Temperature (T>250F) – 016** **These are old emission points EU001 and EU036**
2. Control Device or Method Code: 016

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate:	
2. Maximum Production Rate:	
3. Maximum Heat Input Rate: million Btu/hr	
4. Maximum Incineration Rate: pounds/hr tons/day	
5. Requested Maximum Operating Schedule: hours/day weeks/year	days/week **8,760** hours/year
6. Operating Capacity/Schedule Comment: **This unit does not have any performance restrictions.**	

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: **Existing EU 001 and 036. See Appendix below.**		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
5. Discharge Type Code:	6. Stack Height: Feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: Acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: Dscfm	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):	14. Emission Point Latitude/Longitude… Latitude (DD/MM/SS) Longitude (DD/MM/SS)	

15. Emission Point Comment:

This unit consists of the prior EU001 and EU 036 under the Title V permit facility ID 0530021.

Table C-4: Silo Handling System Emissions

Parameter	Units	Ash Silo Vent	Ash Silo Vent (M)[d]	Lime Silo Vent (BB)[e]
Operational Data (silo Loading)				
Air Flow	acfm	6,800	11,000	19,000
Stack height	ft	125	200	150
Diameter	ft	2	1.5	4
Temperature	(°F)	77	180	100
Controlled Emissions	grain/scf	0.015	0.02	0.015
Emission Factor (EF)[a]				
Particle size multiplier, PM (k)		0.74	0.74	0.74
Particle size multiplier, PM_{10} (k)		0.35	0.35	0.35
Particle size multiplier, $PM_{2.5}$ (k)		0.053	0.05	0.053
Controlled Emission Rates[b]				
PM Emission Rate	lb/hr	0.70	1.4	0.77
	TPY	3.07	5.4	3.04
PM_{10} Emission Rate	lb/hr	0.33	0.67	0.36
	TPY	1.45	2.55	1.44
$PM_{2.5}$ Emission Rate	lb/hr	0.05	0.10	0.055
	TPY	0.22	0.39	0.22

Notes:

[a] Emission Rates was based on the different particle size multipliers from EPA's batch drop equation (EPA AP-42 Chapter 13.2.4, dated 11/06).

[b] lb/hr and TPY emissions based on maximum allowable limits in Permit No. 0530021-021-AV.

[c] Ash silo vent "AA" corresponds to emission unit (EU) 001/D-75 in Permit No. 0530021-021-AV.

[d] Ash silo vent "M" corresponds to EU 036/D-31 in Permit No. 0530021-021-AV.

[e] Ash silo vent "BB" corresponds to EU 038/D-13 in Permit No. 0530021-021-AV.

Source: Golder, 2011

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment **1** of **1**

1. Segment Description (Process/Fuel Type): **Industrial Processes → Miscellaneous Manufacturing Industries → Miscellaneous Industrial Processes → Fly Ash Storage/Handling**		
2. Source Classification Code (SCC): **3-99-999-99**	3. SCC Units: **Tons**	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM/PM10	**016**		**EL**

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM/PM10**	2. Total Percent Efficiency of Control:
3. Potential Emissions: 2.1 lb/hour 9.2 tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code:3B
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Potential, Fugitive, and Actual Emissions Comment:	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM25**	2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.15 lb/hour 0.66 tons/year		4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:		7. Emissions Method Code:3B
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years	
10. Calculation of Emissions:		
11. Potential, Fugitive, and Actual Emissions Comment:		

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

G. VISIBLE EMISSIONS INFORMATION

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation **1** of **2**

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Allowable Opacity: Normal Conditions: **10** % Exceptional Conditions: **20** % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Method 9**	
5. Visible Emissions Comment: **These visible emission limitations are for the bottom and fly ash conveyors, transfer points, drop points, hoppers, chutes and dust collectors.**	

Visible Emissions Limitation: Visible Emissions Limitation **2** of **2**

1. Visible Emissions Subtype: **VE05**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Allowable Opacity: Normal Conditions: **5** % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Method 9**	
5. Visible Emissions Comment: **These visible emission limitations are for the ash storage bin vent filters.**	

H. CONTINUOUS MONITOR INFORMATION

Complete Subsection H if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor **N/A** of **N/A**

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	☐ Rule ☐ Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _____ ☒ Previously Submitted, Date **Sept. 26, 2011**

2. Fuel Analysis or Specification: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____

3. Detailed Description of Control Equipment: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _ ☒ Previously Submitted, Date 9/26/11

4. Procedures for Startup and Shutdown: (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____
   ☐ Not Applicable (construction application)

5. Operation and Maintenance Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _____ ☐ Previously Submitted, Date _____
   ☒ Not Applicable

6. Compliance Demonstration Reports/Records:
   ☐ Attached, Document ID: _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☐ Previously Submitted, Date: _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☒ To be Submitted, Date (if known): _____
   Test Date(s)/Pollutant(s) Tested: VE
   ☐ Not Applicable

   Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.

7. Other Information Required by Rule or Statute:
   ☐ Attached, Document ID: _____ ☐ Not Applicable

I. EMISSIONS UNIT ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)): ☐ Attached, Document ID: _____ ☒ Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rules 62-212.400(4)(d) and 62-212.500(4)(f), F.A.C.): ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Description of Stack Sampling Facilities: (Required for proposed new stack sampling facilities only) ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements: ☐ Attached, Document ID: _____
2. Compliance Assurance Monitoring: ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Alternative Methods of Operation: ☐ Attached, Document ID: _____ ☒ Not Applicable
4. Alternative Modes of Operation (Emissions Trading): ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements Comment

III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for an initial, revised or renewal Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for an air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application – Where this application is used to apply for both an air construction permit and a revised or renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes, and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this application that is subject to air construction permitting and for each such emissions unit that is a regulated or unregulated unit for purposes of Title V permitting. (An emissions unit may be exempt from air construction permitting but still be classified as an unregulated unit for Title V purposes.) Emissions units classified as insignificant for Title V purposes are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

- [X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
- [ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- [X] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:
IDSIS Sorbent Handling and Storage

3. Emissions Unit Identification Number: **004**

4. Emissions Unit Status Code: **A**	5. Commence Construction Date: 1984	6. Initial Startup Date: 1984	7. Emissions Unit Major Group SIC Code: **49**

8. Federal Program Applicability: (Check all that apply)

- [ ] Acid Rain Unit
- [ ] CAIR Unit

9. Package Unit:
Manufacturer: Model Number:

10. Generator Nameplate Rating: MW

11. Emissions Unit Comment: This unit is an existing limestone injection system. Emission points are existing and were ID EU038 and EU039 under the 0530021 facility ID. Given the low sulfur in wood, the unit has not been needed to control SO2 emissions.

Emissions Unit Control Equipment/Method: Control 1 of 1

1. Control Equipment/Method Description: **Low Temp (T<180F) – 018**
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate:	
2. Maximum Production Rate:	
3. Maximum Heat Input Rate: million Btu/hr	
4. Maximum Incineration Rate: pounds/hr tons/day	
5. Requested Maximum Operating Schedule: hours/day weeks/year	days/week **8,760** hours/year
6. Operating Capacity/Schedule Comment: **This unit does not have any performance restrictions.**	

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	2. Emission Point Type Code:	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
5. Discharge Type Code:	6. Stack Height: Feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: Acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):	14. Emission Point Latitude/Longitude… Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
15. Emission Point Comment: **This unit consists of the prior EU038 and EU 039 under the Title V permit facility ID 0530021.**		

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment **1** of **1**

1. Segment Description (Process/Fuel Type): **Industrial Processes → Miscellaneous Manufacturing Industries → Miscellaneous Industrial Processes → Sorbent Loading/Storage/Conveyance**		
2. Source Classification Code (SCC): **3-99-999-99**	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM/PM10	**018**		**EL**

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM/PM10**	2. Total Percent Efficiency of Control:
3. Potential Emissions: 0.77 lb/hour 3.37 tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code:
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Potential, Fugitive, and Actual Emissions Comment:	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: **PM25**	2. Total Percent Efficiency of Control:
3. Potential Emissions: 0.055 lb/hour 0.24 tons/year	4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year	
6. Emission Factor: Reference:	7. Emissions Method Code: 5
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years
10. Calculation of Emissions:	
11. Potential, Fugitive, and Actual Emissions Comment:	

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

G. VISIBLE EMISSIONS INFORMATION

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation **1** of **2**

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Allowable Opacity: Normal Conditions: **10** % Exceptional Conditions: **20** % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Method 9**	
5. Visible Emissions Comment: **These visible emission limitations are for the sorbent conveyors, transfer points, drop points, hoppers, chutes and dust collectors.**	

Visible Emissions Limitation: Visible Emissions Limitation **2** of **2**

1. Visible Emissions Subtype: **VE05**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Allowable Opacity: Normal Conditions: **5** % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: **Method 9**	
5. Visible Emissions Comment: **These visible emission limitations are for the bin vent filters.**	

H. CONTINUOUS MONITOR INFORMATION

Complete Subsection H if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor **N/A** of **N/A**

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	☐ Rule ☐ Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _____ ☒ Previously Submitted, Date **Sept. 26, 2011**

2. Fuel Analysis or Specification: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _____ ☒ Previously Submitted, Date 9/26/11

3. Detailed Description of Control Equipment: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _____ ☒ Previously Submitted, Date 9/26/11

4. Procedures for Startup and Shutdown: (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____
   ☐ Not Applicable (construction application)

5. Operation and Maintenance Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _____ ☐ Previously Submitted, Date _____
   ☒ Not Applicable

6. Compliance Demonstration Reports/Records:
   ☐ Attached, Document ID: _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☐ Previously Submitted, Date: _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☐ To be Submitted, Date (if known): _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☐ Not Applicable
   Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.

7. Other Information Required by Rule or Statute:
   ☐ Attached, Document ID: _____ ☐ Not Applicable

I. EMISSIONS UNIT ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)): ☐ Attached, Document ID: _____ ☒ Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rules 62-212.400(4)(d) and 62-212.500(4)(f), F.A.C.): ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Description of Stack Sampling Facilities: (Required for proposed new stack sampling facilities only) ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements: ☐ Attached, Document ID: _____
2. Compliance Assurance Monitoring: ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Alternative Methods of Operation: ☐ Attached, Document ID: _____ ☒ Not Applicable
4. Alternative Modes of Operation (Emissions Trading): ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements Comment

III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for an initial, revised or renewal Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for an air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application – Where this application is used to apply for both an air construction permit and a revised or renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes, and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this application that is subject to air construction permitting and for each such emissions unit that is a regulated or unregulated unit for purposes of Title V permitting. (An emissions unit may be exempt from air construction permitting but still be classified as an unregulated unit for Title V purposes.) Emissions units classified as insignificant for Title V purposes are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

EMISSIONS UNIT INFORMATION
Section [5] of [5]

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)

- [X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
- [ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)

- [X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- [ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:
Emergency Equipment

3. Emissions Unit Identification Number: **005**

4. Emissions Unit Status Code:	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:
A	1984	1984	**49**

8. Federal Program Applicability: (Check all that apply)

- [ ] Acid Rain Unit
- [ ] CAIR Unit

9. Package Unit:
Manufacturer: Model Number:

10. Generator Nameplate Rating: MW

11. Emissions Unit Comment:
This emissions unit consists of one emergency diesel generator with a maximum design rating of 500 kW and one emergency ditch pump with a maximum design rating of 250 kW. This equipment has been on-site since 1984 when the coal boiler was constructed.

EMISSIONS UNIT INFORMATION
Section [5] of [5]

Emissions Unit Control Equipment/Method: Control **N/A** of **N/A**

1. Control Equipment/Method Description:
2. Control Device or Method Code:

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate:
2. Maximum Production Rate:
3. Maximum Heat Input Rate: million Btu/hr
4. Maximum Incineration Rate: pounds/hr tons/day
5. Requested Maximum Operating Schedule: hours/day days/week weeks/year **100** hours/year
6. Operating Capacity/Schedule Comment: **The emergency generator and the emergency ditch pump may each operate up to 100 hours per year for maintenance and testing purposes. Operation during emergency conditions is unlimited in accordance with RICE rules for emergency generators. The engines are now an emissions units because of the RICE rules apply to the engines.**

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:	2. Emission Point Type Code:	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:		
5. Discharge Type Code:	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):	14. Emission Point Latitude/Longitude… Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
15. Emission Point Comment:		

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment **1** of **1**

1. Segment Description (Process/Fuel Type): **Industrial Processes → In-Process Fuel Use → Distillate Oil → General**		
2. Source Classification Code (SCC): **3-90-005-89**	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

E. EMISSIONS UNIT POLLUTANTS

List of Pollutants Emitted by Emissions Unit

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code

F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION – POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS

(Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted:	2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour tons/year		4. Synthetically Limited? ☐ Yes ☐ No
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year		
6. Emission Factor: Reference:		7. Emissions Method Code:
8.a. Baseline Actual Emissions (if required): tons/year	8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year	9.b. Projected Monitoring Period: ☐ 5 years ☐ 10 years	
10. Calculation of Emissions:		
11. Potential, Fugitive, and Actual Emissions Comment:		

F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION - ALLOWABLE EMISSIONS

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions **1** of **1**

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

G. VISIBLE EMISSIONS INFORMATION

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation **N/A** of **N/A**

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: ☐ Rule ☐ Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

H. CONTINUOUS MONITOR INFORMATION

Complete Subsection H if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	☐ Rule ☐ Other
4. Monitor Information... Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _____ ☒ Previously Submitted, Date **Sept. 26, 2011**

2. Fuel Analysis or Specification: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____

3. Detailed Description of Control Equipment: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____

4. Procedures for Startup and Shutdown: (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☒ Attached, Document ID: **Appendix 1** ☐ Previously Submitted, Date _____
   ☐ Not Applicable (construction application)

5. Operation and Maintenance Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought)
   ☐ Attached, Document ID: _ ☐ Previously Submitted, Date _____
   ☒ Not Applicable

6. Compliance Demonstration Reports/Records:
   ☐ Attached, Document ID: _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☐ Previously Submitted, Date: _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☐ To be Submitted, Date (if known): _____
   Test Date(s)/Pollutant(s) Tested: _____
   ☒ Not Applicable

   Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.

7. Other Information Required by Rule or Statute:
   ☐ Attached, Document ID: _____ ☐ Not Applicable

I. EMISSIONS UNIT ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)): ☐ Attached, Document ID: _____ ☒ Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rules 62-212.400(4)(d) and 62-212.500(4)(f), F.A.C.): ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Description of Stack Sampling Facilities: (Required for proposed new stack sampling facilities only) ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements: ☐ Attached, Document ID: _____
2. Compliance Assurance Monitoring: ☐ Attached, Document ID: _____ ☒ Not Applicable
3. Alternative Methods of Operation: ☐ Attached, Document ID: _____ ☒ Not Applicable
4. Alternative Modes of Operation (Emissions Trading): ☐ Attached, Document ID: _____ ☒ Not Applicable

Additional Requirements Comment

APPENDIX 1