Table 2, Summary of Compliance Requirements

Gainesville Renewable Energy Center

Final Permit No. 0010131-004-AV

Facility ID No. 0010131

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	Brief Description
001	A. Biomass fuel delivery, preparation, storage and handling

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency	Frequency Base Date	Min. Compliance Test Duration	CMS [1]	Regulatory Citation(s)	See permit condition(s)
VE (opacity)	N/A	EPA Method 9	Annually		1-hour test	No	40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C	**III.A.7.**

Notes:

"N/A" represents not applicable.

[1] CMS [=] continuous monitoring system.

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E.U. ID No.	Brief Description
002	Nominal net 100 MW BFB, biomass fueled boiler

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency	Frequency Base Date	Min. Compliance Test Duration	CMS [1]	Regulatory Citation(s)	See permit condition(s)
PM/PM_{10}	Biomass	Methods 5, 5B, 17	Annually		3 1-hour test runs	No	Rules 62-204.800, F.A.C.; 40 CFR 60, Appendix A	**III.B.46.**
VE (opacity)	Biomass	COMS	Dailiy (COMS)		10% Opacity (20% once/hr)	Yes	40 CFR 60 Appendix B, Performance Specification 1; NSPS Subpart Da: and NESHAP Subpart DDDDD	**III.B.10., B.18, B.23, and B.31.d.**
Hg	Biomass	EPA Method 29	Annually		3 1-hour test runs	No	Rules 62-204.800, F.A.C.; 40 CFR 60, Appendix A; NESHAP DDDDD	**III.B.43. and B.46.**
HCl	Biomass	EPA Methods 26, 26A	Annually		3 1-hour test runs	No	Rules 62-204.800, F.A.C.; 40 CFR 60, Appendix A; NESHAP DDDDD	**III.B.43. and B.46.**
HF	Biomass	EPA Methods 26, 26A	Annually		3 1-hour test runs	No	Rules 62-204.800, F.A.C.; 40 CFR 60, Appendix A	**III.B.46.**
NO_X	Biomass	CEMS	daily (CEMS)		30-boiler operating day rolling average basis by CEMS (Subpart Da); 24-hour rolling by CEMS (Applicant's Request); 12-month, rolled monthly by CEMS (Emission Cap)	Yes	shall be certified, operated, and maintained in accordance with the requirements of 40 CFR 75. Recordkeeping and reporting shall be conducted pursuant to Subpart Da in 40 CFR 60 and Subparts F and G in 40 CFR 75. NSPS Subpart Da	**III.B.21. B.31.b. and B.46.**
SO_2	Biomass	CEMS	daily (CEMS)		30-boiler operating day rolling average basis by CEMS (Subpart Da); 24-hour rolling by CEMS (Applicant's Request); 12-month, rolled monthly by CEMS (Emission Cap)	Yes	shall be certified, operated, and maintained in accordance with the requirements of 40 CFR 75. Record keeping and reporting shall be conducted pursuant to Subpart Da in 40 CFR 60 and Subparts F and G in 40 CFR 75. NSPS Subpart Da	**III.B.22. B.31.a. and B.46.**
CO	Biomass	CEMS	daily (CEMS)		30-day rolling by CEMS	Yes	certified pursuant to 40 CFR 60, Appendix B, Performance Specification 4 or 4A. NESHAP Subpart DDDDD and BACT	**III.B.27. B.31.c. and B.46.**
VOC	Biomass	EPA Methods 18, 25 and 25A	Annually		3 1-hour test runs	No	Rules 62-204.800, F.A.C.; 40 CFR 60, Appendix A	**III.B.46.**
ammonia slip	Biomass	EPA Method CTM-027 (Conditional Test Method)	Annually		3 1-hour test runs	No	PSD-FL-411B	**III.B.46.**
SAM	Biomass	EPA Method 8	Annually		3 1-hour test runs	No	PSD-FL-411B	**III.B.46.**
O_2/CO_2	Biomass	Each monitor shall comply with the performance and quality assurance requirements of 40 CFR 75	N/A		N/A	Yes	40 CFR 60, Subpart Da and Appendices	**III.B.31.d**

Notes:

"N/A" represents not applicable.

[1] CMS [=] continuous monitoring system.

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Final Permit No. 0010131-004-AV

Facility ID No. 0010131

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	Brief Description
003	Ash handling, storage and shipment

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency	Frequency Base Date	Min. Compliance Test Duration	CMS**	See permit condition(s)
bottom and fly ash conveyors, transfer points, drop points, hoppers, chutes and dust collectors **VE**		EPA Method 9	Annualy		3 1-hour observations	No	**III.C.12.**
Fly Ash Silo Baghouse **PM** [1]		EPA Method 5	Waived				**III.C.12.**
Fly Ash Silo Baghouse **VE**		EPA Method 9	Annually		3 1-hour observations	No	**III.C.12.**

Notes:

**CMS [=] continuous monitoring system.

[1] A visible emission reading of 5% opacity or less may be used to demonstrate compliance with the PM emission standard

Table 2, Summary of Compliance Requirements

Gainesville Renewable Energy Center

Final Permit No. 0010131-004-AV

Facility ID No. 0010131

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	Brief Description
005	One emergency generator diesel engine (910 kW)

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency [1]	Frequency Base Date	Min. Compliance Test Duration	CMS**	See permit condition(s)
CO		Any required tests shall be performed in accordance with the in-use testing procedures in 40 CFR 1039, Subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder, and according to 40 CFR 1042, Subpart F, for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder, NSPS Subpart	Annually			none	**III.D.8. and D.9.**
PM			Annually			none	**III.D.8. and D.9.**
SO_2			Annually			none	**III.D.8. and D.9.**
NMHC [3] + NO_X			Annually			none	**III.D.8. and D.9.**

Notes:

**CMS [=] continuous monitoring system.

[1] engine certification can be used in lieu of stack testing.

Table 2, Summary of Compliance Requirements

Gainesville Renewable Energy Center

Final Permit No. 0010131-004-AV

Facility ID No. 0010131

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E.U. ID No.	Brief Description
006	One emergency firewater pump engine (315 hp)

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency [1]	Frequency Base Date *	Min. Compliance Test Duration	CMS**	See permit condition(s)
CO		Any required tests shall be performed in accordance with the in-use testing procedures in 40 CFR 1039, Subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder, and according to 40 CFR 1042, Subpart F, for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder. [NSPS Subpart IIII, §60.4212]	Annually			none	**III.E.8. and E.9.**
PM			Annually			none	**III.E.8. and E.9.**
SO_2			Annually			none	**III.E.8. and E.9.**
$NMHC_3 + NO_X$			Annually			none	**III.E.8. and E.9.**

Notes:

**CMS [=] continuous monitoring system.

[1] engine certification can be used in lieu of stack testing.

Table 2, Summary of Compliance Requirements

Gainesville Renewable Energy Center

Final Permit No. 001
Facility ID No. 00101

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of tl

E.U. ID No.	Brief Description
007	Ash handling, storage and shipment

Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing Time Frequency	Frequency Base Date *	Min. Compliance Test Duration
Opacity from the bin vent filter of the alkaline sorbent storage silo **VE**		EPA Method 9	Annualy		3 1-hour observations
PM emissions from the bin vent filter of the alkaline sorbent storage silo [1]		EPA Method 5	Waived		3 1-hour observations

Notes:

**CMS [=] continuous monitoring system.

[1] A visible emission reading of 5% opacity or less may be used to demonstrate compliance with the PM emission standard

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CMS**	See permit condition(s)
No	**III.F.6. and F.7.**
No	**III.F.6. and F.7.**