

GAINESVILLE RENEWABLE ENERGY CENTER

Operated by **NAES**



April 2016 MONTHLY PERFORMANCE REPORT

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1. SUMMARY

The plant was not called on to operate in April. There were no environmental or safety incidents. We continue to await a final determination from FRCC regarding the two findings from the March Spot Check.

Operations:

GREC remained in Reserve Shutdown for the month of April. The unit was available for all 720 hours of the month.

The boiler and main steam lines are in a dry lay-up with a nitrogen cap as a means of preservation to prevent corrosion. The DA/ Feedwater tank continue to be in a wet lay-up with a nitrogen cap and the turbine/condenser are being supplied with a dehumidified air purge. We continue to receive dry fuel (to be covered).

2. MONTHLY PERFORMANCE DATA

2016																	
PLANT SUMMARY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QTR 1	QTR 2	QTR 3	QTR 4	YTD
Monthly Performance Data																	
Operations																	
Gross Generation (MWh)	0	0	2,095	0	0	0	0	0	0	0	0	0	2,095	0	0	0	2,095
Net Generation (MWh)	0	0	1,835	0	0	0	0	0	0	0	0	0	1,835	0	0	0	1,835
Solid Fuel Flow (ft3)	REDACTED																
Solid fuel Flow (Tons)	REDACTED																
Natural Gas Usage MMBTU	0	0	3,059	0	0	0	0	0	0	0	0	0	3,059	0	0	0	3,059
Avg Burn rate (Tons/nMWH)	REDACTED																
Operating hours	0	0	17	0	0	0	0	0	0	0	0	0	17	0	0	0	17
Number of trips	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Safety																	
Lost Time Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lost Time Incident Rate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recordables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recordable Incident Rate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
First Aid Incidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Near Miss Incidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance: WO Summary																	
Start Backlog	206	111	109	255	0	0	0	0	0	0	0	0	0	0	0	0	0
End Backlog	110	91	93	116	0	0	0	0	0	0	0	0	0	0	0	0	0
New Wos/Comp Rec WO's	18	20	32	26	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Completed W.O.s	114	157	157	139	0	0	0	0	0	0	0	0	0	0	0	0	0
Received WO's	40	198	188	184	0	0	0	0	0	0	0	0	0	0	0	0	0

3. PRODUCTION STATISTICS

2016																	
Production Statistics																	
Monthly Performance Data	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QTR 1	QTR 2	QTR 3	QTR 4	YTD
Other																	
Ammonia Received (Gallons)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammonia Consumed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sodium Bicarbonate Received (Tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sodium Bicarbonate Consumed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottom Ash Generated (Tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fly Ash Generated (Tons)	43	25	0	0	0	0	0	0	0	0	0	0	68	0	0	0	68
Filter Cake (Tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel																	
Diesel Fuel Received	0	0	845	3,550	0	0	0	0	0	0	0	0	845	3,550	0	0	4,395
Diesel Fuel Burned	0	0	845	3,550	0	0	0	0	0	0	0	0	845	3,550	0	0	4,395
- Heavy Equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Boiler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel Ending Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water																	
Process Water Usage	256,162	80,763	2,037,975	16,664	0	0	0	0	0	0	0	0	2,374,900	16,664	0	0	2,391,564
Reclaim Water Usage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4. SAFETY

NAES Staff

	Month	Hours	First Aid	Recordable	Rec. Rate	LTA	LTA Rate	Near Miss
	January	4913.5	0	0	0.0	0	0.0	0
	February	5964.50	0	0	0.0	0	0.0	0
	March	5982.50	0	0	0.0	0	0.0	0
	April	8825.50	0	0	0.0	0	0.0	0
	May	0.00	0	0	0.0	0	0.0	0
	June	0.00	0	0	0.0	0	0.0	0
	July	0.00	0	0	0.0	0	0.0	0
	August	0.00	0	0	0.0	0	0.0	0
	September	0.00	0	0	0.0	0	0.0	0
	October	0.00	0	0	0.0	0	0.0	0
	November	0.00	0	0	0.0	0	0.0	0
	December	0.00	0	0	0.0	0	0.0	0
Year to Date Total		25,686.00	0.00	0.00	0.00	0.00	0.00	0.00

Contractors

	Month	Hours	First Aid	Recordable	Rec. Rate	LTA	LTA Rate	Near Miss
	January	90	0	0	0.0	0	0.0	0
	February	98	0	0	0.0	0	0.0	0
	March	181	0	0	0.0	0	0.0	0
	April	220	0	0	0.0	0	0.0	0
	May	0	0	0	0.0	0	0.0	0
	June	0	0	0	0.0	0	0.0	0
	July	0	0	0	0.0	0	0.0	0
	August	0	0	0	0.0	0	0.0	0
	September	0	0	0	0.0	0	0.0	0
	October	0	0	0	0.0	0	0.0	0
	November	0	0	0	0.0	0	0.0	0
	December	0	0	0	0.0	0	0.0	0
Year to Date Total		589.00	0.00	0.00	0.00	0.00	0.00	0.00

Accidents:

There were no accidents in April.

Near Miss Reports:

No Near Miss Reports were completed in April.

Training:

38 individuals completed 81 safety courses in April.

5. ENGINEERING & ENVIRONMENTAL

- 4/1: Annual Operating Report (AOR) & Fees Submitted to FDEP
- 4/12: Annual EIA 923 Submitted
- 4/29: 1st Quarter EDR & EER Submitted to FDEP

6. OPERATIONS

No electricity was generated during the month.

A total of 29 trucks were unloaded with 670 tons of wood received.

There were a total of 56 Safe Work Permits, 33 LOTOs, and 7 Confined Space Permit issued.

An air purge with dehumidified Instrument Air has been placed on the turbine and condenser. The Boiler, DA / Feedwater tank, and Main Steam have remained in a modified long term storage condition. Feedwater tank chemistry continues to be monitored weekly and Cooling Tower chemistry daily..

7. WATER CHEMISTRY

- **Cooling Tower:** Continue to recirculate CT basin with small sump pump. A Biocide injection system has been installed in the Circ. Water chemical building to help minimize handling of this chemical.
- **Boiler/ Make-Up Water:** Continue to flush RO and UF trains.
- **Well/Reclaim Water:** Reclaim water has been secured and well water use as been curtailed while in Reserve Shutdown.
- **ZDS:** Has been shut down and the BC was mechanically cleaned.
- **Potable water:** Completed and submitted monthly and quarterly samples, including Bacteria.

8. FUEL HANDLING

- Continue to receive dry wood (to be tarped) for long term storage.
- PMs performed on belts and machines.
- Turning over fuel yard piles to prevent hot spots.

9. TRAINING

- GPILearn: 38 individuals completed 86 total courses in April.
- 1 contractor received NAES site safety training in April.

10. MAINTENANCE

- All maintenance employees worked on GPI-Learn training.
- Attended weekly safety meeting with crews.
- IC/E worked on monthly PMs.
- Mechanics worked on monthly PMs.
- Attended action items review with Siemens group and NAES staff.
- Gave PowerPoint presentation on Lube Oil storage building & 5S.
- Attended safety stand-down status meeting.
- Met with Brush Aftermarket Products and Services Manager for this region.
- Repaired Bay # 2 high-speed door at truck tipper.
- Attended the safety committee meeting for April.
- Vendor finished installing the lubrication system on the reclaimer.
- IC/E wired system for reclaimer oil spray.
- Mechanics changed all bolting on the flights of the stacker reclaimer.
- Called vendor for service quote on the ZDS compressor.
- IC/E Tech assigned to misc. , NERC
- IC/E worked on light PMs.
- IC/E worked with GRU on meter testing.
- Mechanics worked loud noise from the gearbox on # belt conveyor.
- IC/E Techs worked with Valmet support to troubleshoot and setup Buffalo backup for DCS.
- Mechanics worked on SW piping change for both A & B pumps.
- Mechanics worked on WO-16-0663 - walks, steps, and laydown pads.
- Mechanics worked on changing out the input seals on both reclaimer gearboxes.
- Mechanics built lube oil pump stand.
- Mechanics built cleaning tool for the fuel yard operators.
- Attended MOC meeting with staff.
- Mechanics worked on baseline acoustic readings for site.
- Scheduled work orders for April: 184 Completed work orders: 116

11. ADMINISTRATION

Staffing:

There were three Fuel Yard positions open as of April 30, 2016, which will not be filled immediately.

Temporary Staffing:

There was no temporary labor on site in April.

Statistics:

- Payroll: 114 Payroll records processed.
- Accounts Payable: 158 invoices processed*, 158 payments processed.
- Procurement: 72 Requisitions reviewed, 71 Purchase Orders generated.
- April Overtime: 4.93% of total hours.
- 2016 annual overtime: 7.42% of total hours.

Spare Parts Inventory Value: \$REDACTED