

# GAINESVILLE RENEWABLE ENERGY CENTER

Operated by **NAES**



## February 2016 MONTHLY PERFORMANCE REPORT

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## 1. SUMMARY

The plant was in reserve shutdown for all of February. There were no environmental or safety incidents. . There are three Fuel Yard Operator jobs open, and we plan to leave them unfilled for now.

### **Operations:**

The unit did not operate and has been available for 696 hours in the month of February. The plant remained in Reserve Shutdown as directed by GRU.

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. We continue to receive dry fuel (to be covered) which is being added to our inventory for long term storage.

## 2. MONTHLY PERFORMANCE DATA

2016																	
PLANT SUMMARY																	
Monthly Performance Data	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	QTR 1	QTR 2	QTR 3	QTR 4	YTD
<b>Operations</b>																	
Gross Generation (MWh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Generation (MWh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Fuel Flow (ft3)	REDACTED																
Solid fuel Flow (Tons)	REDACTED																
Natural Gas Usage MMBTU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avg Burn rate (Tons/nMWH)	REDACTED																
Operating hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of trips	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Safety</b>																	
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
<b>Maintenance: WO Summary</b>																	
Start Backlog	206	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
End Backlog	110	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Wos/Comp Rec WO's	18	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Completed W.O.s	114	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Received WO's	40	198	0	0	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
<b>Other</b>																	
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
<b>Diesel Fuel</b>																	
Diesel Fuel Received	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Fuel Burned	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 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
<b>Water</b>																	
Process Water Usage	256,162	80,763	0	0	0	0	0	0	0	0	0	0	336,925	0	0	0	336,925
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	0.00	0	0	0.0	0	0.0	0
April	0.00	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
<b>Year to Date Total</b>	<b>10,878.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

### 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	0	0	0	0.0	0	0.0	0
April	0	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
<b>Year to Date Total</b>	<b>188.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**Accidents:**

There were no accidents in February.

**Near Miss Reports:**

No Near Miss Reports were completed in February.

**Training:**

38 individuals completed 79 safety courses in February.

## 5. ENGINEERING & ENVIRONMENTAL

- 2/5: ACEPD Quarter 4 Emissions Detail Report
- 2/19: FDEP Potable Water Inspection
- 2/26: Tier II Right to Know
- 2/29: Annual TV Statement of Compliance (SOC)
- Fly Ash & Salt Cake beneficial re-use alternatives

**Pending:**

- GreenHouse Gas Report (GHG) – 3/31
- Annual Operating Report (AOR) – 4/1

## 6. OPERATIONS

No electricity was generated during the month.

A total of 18 trucks were unloaded with 416.58 tons of wood received.

There were a total of 77 Safe Work Permits, 25 LOTOs, and 2 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.

Data requested by FRCC has been submitted in preparation for our NERC/FRCC Spot Check March 28-30, 2016.

## 7. WATER CHEMISTRY

- **Cooling Tower:** A small recirculation pump has been installed in the cooling tower basin in order to allow us to recirculate without having to run the large circulating pumps more than one per week. A chlorine chemical injection system has been installed in the Circ. Water chemical building to help stabilize cooling tower basin chlorine levels while shutdown.
- **Boiler/ Make-Up Water:** Continue to flush the make-up water trains to prevent biological fouling.
- **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. Storage tank leak repaired and tank cleaned of scale. DEP visited site and performed an inspection of out Potable Water system and records.

## 8. FUEL HANDLING

- Continue to receive dry wood (to be tarped) for long term storage..
- PMs performed on belts and machines.
- Fuel Yard storm drain areas are being cleaned out and reworked to minimize standing water.

## 9. TRAINING

- GPiLearn: 38 individuals completed 136 total courses in February.
- No contractors received NAES site safety training in February.



## 10. MAINTENANCE

- All maintenance worked on GPiLearn courses.
- Attended weekly safety meeting with crews.
- IC/E worked on lube oil storage building.
- Mechanics worked on cross connection for waste water pump to distillate return from heat exchanger.
- Mechanics worked on air connection to vault.
- IC/E worked on monthly PMs.
- Mechanics worked on monthly PMs.
- Reviewed all annual inspections in MP2.
- Met with vendor pertaining to materials for ware.
- Mechanics repaired roof of battery building.
- Mechanics cleaned out bag house gutters.
- Mechanics and IC/E continued working on the odor control system for vendor commissioning.
- Repaired potable water tank in water building.
- Rearranged the N2 blanket on the unit for lay-up.
- Met with Siemens to discuss remote access options, 24x7 hotline, NERC support, spare parts.
- Met with vendor on hoist inspection job.
- Met with a new electrical vendor.
- Repaired stand by fire pump line.
- IC/E ran power to the air compressor for stacker lubrication job.
- Worked with vendor to commission odor control system.
- Mechanics replaced the bolting on beam over the ID Fan.
- Changed gaskets on "A" bank UF filters.
- Repaired valve on "B" UF filters.
- Scheduled work orders for February – 198. Completed work orders - 173.

## 11. ADMINISTRATION

### Staffing:

There were three Fuel Yard positions open as of February 29, 2016, which will not be filled immediately.

### Temporary Staffing:

There was no temporary labor on site in February.

### Statistics:

- Payroll: 76 Payroll records processed.
- Accounts Payable: 112 invoices processed\*, 59 payments processed.  
\*February invoices will continue to be processed through March 15, 2016.
- Procurement: 78 Requisitions reviewed, 77 Purchase Orders generated.
- January Overtime: 4.55% of total hours.
- 2016 annual overtime: 8.34% of total hours.

Spare Parts Inventory Value: \$**REDACTED**