

# **GAINESVILLE RENEWABLE ENERGY CENTER**

Operated by **NAES**



## **January 2017 MONTHLY PERFORMANCE REPORT**

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## 1. SUMMARY

The plant ran for about two weeks in January. The run went well.

There were no safety or environmental issues during the month.

### **Operations:**

GREC began the January dispatched to Reserve Shutdown by GRU. GREC was called to start-up and ran for 313 hours before being dispatched back to Reserve Shutdown.

## 2. MONTHLY PERFORMANCE DATA

2017																	
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)	30,255	0	0	0	0	0	0	0	0	0	0	0	30,255	0	0	0	30,255
Net Generation (MWh)	26,836	0	0	0	0	0	0	0	0	0	0	0	26,836	0	0	0	26,836
Solid Fuel Flow (ft3)																	
Solid fuel Flow (Tons)																	
Natural Gas Usage MMBTU	2,081	0	0	0	0	0	0	0	0	0	0	0	2,081	0	0	0	2,081
Avg Burn rate (Tons/nMWH)																	
Operating hours	313	0	0	0	0	0	0	0	0	0	0	0	313	0	0	0	313
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	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
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	401	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
End Backlog	443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Wos/Comp Rec WO's	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Completed W.O.s	211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Received WO's	253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### 3. PRODUCTION STATISTICS

2017																	
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	2,850	0	0	0	0	0	0	0	0	0	0	0	2,850	0	0	0	2,850
Sodium Bicarbonate Received (Tons)	23	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	23
Sodium Bicarbonate Consumed	8	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8
Bottom Ash Generated (Tons)	63	0	0	0	0	0	0	0	0	0	0	0	63	0	0	0	63
Fly Ash Generated (Tons)	538	0	0	0	0	0	0	0	0	0	0	0	538	0	0	0	538
Filter Cake (Tons)	27	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	27
<b>Diesel Fuel</b>																	
Diesel Fuel Received	3,468	0	0	0	0	0	0	0	0	0	0	0	3,468	0	0	0	3,468
Diesel Fuel Burned	3,468	0	0	0	0	0	0	0	0	0	0	0	3,468	0	0	0	3,468
- 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	5,818,387	0	0	0	0	0	0	0	0	0	0	0	5,818,387	0	0	0	5,818,387
Reclaim Water Usage	7,449,990	0	0	0	0	0	0	0	0	0	0	0	7,449,990	0	0	0	7,449,990

## 4. SAFETY

### NAES Staff

	Month	Hours	First Aid	Recordable	Rec. Rate	LTA	LTA Rate	Near Miss
	January	5356.2	1	0	0.0	0	0.0	0
	February		0	0	0.0	0	0.0	0
	March		0	0	0.0	0	0.0	0
	April		0	0	0.0	0	0.0	0
	May		0	0	0.0	0	0.0	0
	June		0	0	0.0	0	0.0	0
	July		0	0	0.0	0	0.0	0
	August		0	0	0.0	0	0.0	0
	September		0	0	0.0	0	0.0	0
	October		0	0	0.0	0	0.0	0
	November		0	0	0.0	0	0.0	0
	December		0	0	0.0	0	0.0	0
<b>Year to Date Total</b>		<b>5,356.20</b>	<b>1.00</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	172	0	0	0.0	0	0.0	0
	February	0	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>172.00</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 was one minor first aid incident in January when an employee inhaled fumes from a lubricant that was being used by a contractor. The nurse line was called and self-care was recommended.

**Near Miss Reports:**

No Near Miss Reports were completed in January.

**Training:**

4 individuals completed 8 safety courses in January. (Since the GPiLearning site was down for migration during most of January, the majority of employees completed their required training in December.)

## 5. ENGINEERING & ENVIRONMENTAL

- 1/24: EIA 923 Submitted
- 1/27: Visible Emissions Training
- 1/30: 4<sup>th</sup> Quarter 2016 EER & EDR, TV Semi-Annual Deviation & DAR Reports Submitted to FDEP & EPA
- 1/31: IB MACT Semi-Annual Reports Submitted to EPA

Pending:

- ACEPD 4<sup>th</sup> Quarter Emissions Detail to be Submitted – 2/6
- ACEPD Aboveground Storage Tank Inspection – 2/13
- Annual TV Statement of Compliance (SOC) – 3/1
- Tier 2 Right to Know – 3/1
- GHG – 3/31
- Annual Operating Report (AOR) – 4/1

## 6. OPERATIONS

GREC was called to start-up and ran for 313 hours before being dispatched back to Reserve Shutdown. There were 26,836.36 nMWs generated during the month of January.

A total of [REDACTED] trucks were unloaded with [REDACTED] tons of wood received.

There were a total of 121 Safe Work Permits, 35 LOTOs, and 2 Confined Space Permit issued.

## 7. WATER CHEMISTRY

- **Cooling Tower:** Started up normal chlorine injection system at plant start-up
- **Boiler/ Make-Up Water:** Water treatment systems were run periodically throughout the month to maintain reliability.
- **Well/Reclaim Water:** Well water and reclaim systems were operated during the month.
- **ZDS:** System was seeded and put in service. The system remains in standby.
- **Potable water:** Completed and submitted monthly and quarterly samples, including Bacteria.

## 8. FUEL HANDLING

- Received [REDACTED] trucks of wood fuel.
- Fuel receiving and boiler feed systems ran with no issues.
- All of the older wood (>1 yr old) was consumed during this run.

## 9. TRAINING

- GPiLearn: 4 individuals completed 13 total courses in January.
- Thirteen contractors received NAES site safety training in January.



## 10. MAINTENANCE

- Attended weekly MOC meetings
- Attended weekly safety meetings
- IC/E techs worked on monthly PMs
- Mechanics worked on monthly PMs
- Met with Pro-Serve
- Met with Thompson Industrial Services
- Interviewed candidates for Mechanical Technician opening
- Met with Southern Field Services
- Met with Cummins Power Services
- Ring Power drained oil in Wagner
- Walthall replaced the oil in Wagner
- Participated in AIG Insurance visit
- Met with vendor to go over all expansion joints to be replaced during upcoming outage
- Supported warehouse inventory cleanup effort
- Annual steam drum safety testing completed
- Repaired WYPDC lighting box damaged by fire
- Repaired front gate (would not close)
- Repaired receiving gate backstop on bay # 2
- Inspected & replaced bad bag in ash silo
- Pulled and inspected ZDS crystallizer pump
- Made new ash silo exit pipe with extra cleanout ports
- Replaced hydraulic line on Reman Wagner
- Replaced the water pump on the new Wagner
- Repaired bay # 1 limit switch
- Replace the gearbox on circulation water pump "B"
- Vendor performed annual fire system inspection
- Replaced gearbox on under pile # 2, fuel yard
- Had vendor setup and take down scaffolding for various jobs
- Scheduled work orders for January - 253. Completed work orders - 211

## 11. ADMINISTRATION

### Staffing:

The Maintenance Tech position was filled in January by an internal candidate, which created a opening for Warehouse Assistant. The Water Treatment Operator position remained open and an Auxiliary Plant Operator position opened up, as well. The 3 Fuel Yard Operator positions remained open, and will not be filled immediately.

### Temporary Staffing:

There was no temporary labor on site in January.

### Statistics:

- Payroll: 73 Payroll records processed.
- Accounts Payable: 158 invoices processed\*, 63 payments processed.  
\*January invoices will continue to be processed through February 15.
- Procurement: 141 Requisitions reviewed, 139 Purchase Orders generated.
- Overtime: 20.22% of total hours.
- 2017 annual overtime: 20.22% of total hours.

Spare Parts Inventory Value: ████████████████████

