



August 31, 1994

Mr. David Zell  
Florida Department of  
Environmental Regulation  
Southwest District-Air Programs  
3804 Coconut Palm Drive  
Tampa, Florida 33619

**RECEIVED**  
SEP 02 1994

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

**Re: Tampa Electric Company (TEC)  
Gannon Station Combustion Turbine Permit Renewal  
Draft Permit No. AO29-252615**

Dear Mr. Zell:

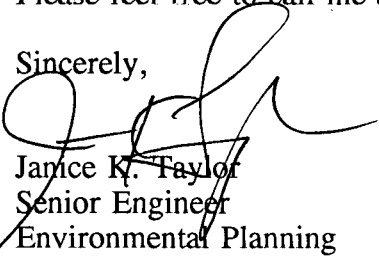
Pursuant to our conversation on the above referenced permit, please find enclosed for your files, a copy of Gannon Station's monthly Preventative Maintenance (PM) checklist. As we discussed, this checklist is used as a guidance document for plant staff when performing the monthly PM for this combustion turbine. This document is updated from time to time as needed. I understand that this checklist will not be used for any permit condition criteria.

Additionally, the Operation and Maintenance Plan that TEC originally submitted in our permit renewal application will be incorporated into the final permit with the exception of the monthly diesel starting motor PM. As noted, this system is checked under the semi-annual PM.

I understand that an additional specific condition will be added to the final permit to clarify that stack testing for particulate matter will not be required provided the 5% opacity standard is met during the visible emissions compliance test.

Please feel free to call me at (813) 228-4839 if you have any questions.

Sincerely,

  
Janice K. Taylor  
Senior Engineer  
Environmental Planning

Enclosure

cc/QQ664

c: Jerry Kessel-DEP

GAS TURBINE MONTHLY PM

Notify operators before starting PM and after PM is complete.

Safety precaution: Check that all compartment door locks can be opened from the inside. Free up as needed. Valve off strainer before cleaning.

Check off each item on the attached sheets as the item is inspected. Clean up any oil spilled. Write MJR's on any needed repairs (please code MRJ's #23).

Tools needed: (1) grease gun (EP 2 grease), (1) flash light, (2) adjustable wrenches.

Items & Instruction	Lubricant Filter, Etc.	PM Completed OK/Comments, Repairs, etc.	MJR Number
<b>Turbine:</b>			
<b>Combustion Compartment</b>			
1. Check for fuel leaks and repairs as needed.			
2. Check that fire protection doors are open.			
<b>Reduction Gear Compartment:</b>			
1. Check for oil leaks.			
2. Check lube oil flow and clean sightglass.			
3. Check that fire protection doors are open.			
<b>Generator Tail End Compartment</b>			
1. Check for oil leaks.			
<b>Cooling Water System</b>			
1. Check for leaks in hoses, fittings, etc.			
2. From top of pipe to water level 14", check water level in tank vs. gauge reading with cover off - from flange to water level 9".			
3. Check radiator fins for damage or blockage.			
<b>Accessory Gear Compartment</b>			
1. Check lube oil flow and clean sightglasses.			
2. Check for oil leaks - NOTE on this sheet.			
3. Check that fire protection doors are open.			

GAS TURBINE MONTHLY PM

Items & Instruction	Lubricant Filter, Etc.	PM Completed OK/Comments, Repairs, etc.	MJR Number
4. Note turbine lube oil filter differential pressure on this sheet.			
5. Clean main water pump strainer.			
<b>Air Cooling Inlet Compartment</b>			
1. Check condition of inlet air filters.			
2. Check tightness of louver arm.			
Make minor repairs on the above. Clean as needed. Write MJR's on major problems!			
<b>Fuel Forwarding House</b>			
1. Check pump gear reducer for oil leaks.	Harmony 220		
2. Check for fuel leakage.			
<b>Combustion Turbine Control Cabinet</b>			
1. Check air compressor belt tension & condition.			
2. Check air compressor cooling fan condition.			
3. Visually inspect the CO <sub>2</sub> fire protection sys.			
4. Check that batteries are charged to 125 volts.			
<b>Combustion Turbine Roof</b>			
1. Lubricate the two fan bearings.	Gulf EP 2		

Guidance Checklist Only