



SEP 13 2017

L-2017-160
10 CFR 50.4
EPP 3.2.4

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
Minor Permit Revision Request for Blowdown Sample Panel Discharge
IWW Permit No. FL0002208

Pursuant to Section 3.2.4 of the St. Lucie Environmental Protection Plan, Florida Power & Light Company (FPL) is hereby forwarding the enclosed copy of the permit revision request to the Industrial Wastewater (IWW) Facility Permit (Permit Number FL0002208) as issued by the State of Florida Department of Environmental Protection on November 4, 2016.

Please contact Seth Duston at (772) 467-7144 or Chrissi-Lee Ramsey at (772) 467-7228 should you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink that reads "Daniel DeBoer".

Daniel DeBoer
Site Director
St. Lucie Plant

DD/spt

Enclosure: VPPSL056, Florida Power & Light Company – St. Lucie Plant
IWW Permit No. FL0002208 - Minor Permit Request for Blowdown Sample Panel Discharge

IE23
NRR

L-2017-160
Enclosure

Enclosure

VPPSL056

Florida Power & Light Company – St. Lucie Plant

IWW Permit No. FL0002208

Minor Permit Revision Request for Blowdown Sample Panel Discharge

(5 pages)



September 13, 2017

Mr. Marc Harris, P.E.
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Florida Power & Light Company
St. Lucie Plant
Wastewater Permit No. FL0002208
Minor Permit Revision Request for Blowdown Sample Panel Discharge

Dear Mr. Harris:

FPL St. Lucie Plant requests a Minor Permit Revision to Industrial Wastewater Permit No. FL0002208 to include monitoring requirements for a continuous discharge of approximately 0.5 - 1 gallon per minute of steam generator blowdown water from outfall I-005 to the discharge canal (D-001). This process stream is fed through the blowdown sample panel used to monitor contaminants and safety related parameters in real time. The water discharged from the aforementioned sample panel is the same water fed to the sample point for outfall I-005. The discharge valve of the tank that the drainage line from the blowdown sample panel feeds into is kept open to prevent overflow onto the reactor auxiliary building, which poses a safety risk. A relevant excerpt from *Process Flow Diagram 8770-G-087* (Figure 1: Steam Generator Blowdown System) on Page 3 is included in support of this request.

Moreover, St. Lucie Plant requests the addition of permit language outlining the opportunity for a reduction in sampling frequency to quarterly after six months of consecutively satisfactory sample results. This action is appropriate for this situation and has been effectively implemented into the FPL Fort Lauderdale Plant Industrial Waste Water Permit (FL0001503). If you should have any questions or require additional information regarding this permit revision request, please contact Chrissi-Lee Ramsey at (772) 467-7228 or via email at chrissi-lee.ramsey@fpl.com.

Sincerely,

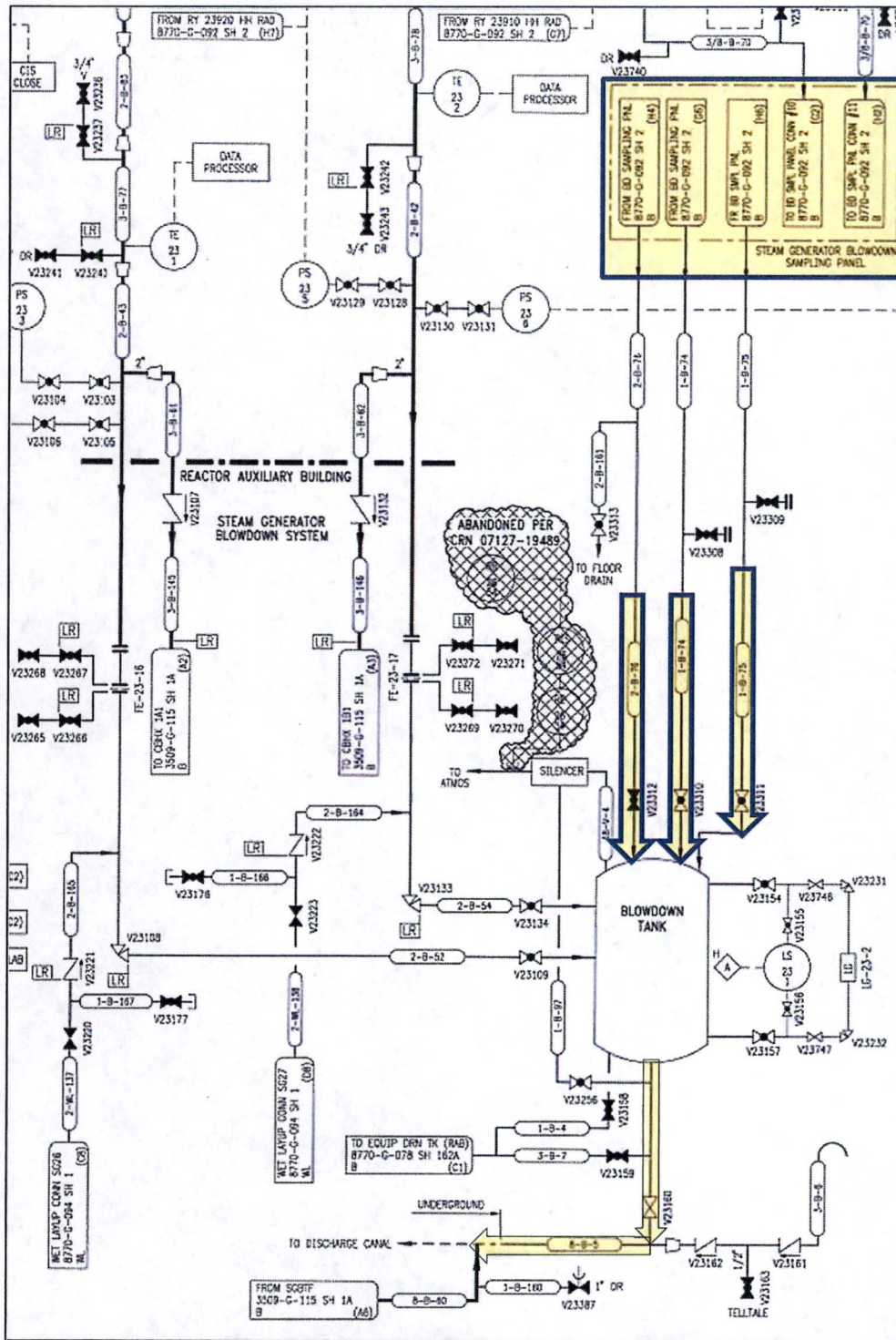


Daniel DeBoer
Site Director
St. Lucie Plant

VPPSL056

Enclosure: Application for a Minor Revision to a Wastewater Facility or Activity Permit

cc: FPL – Ron Hix
FPL – Seth Duston
FPL – Michael Snyder
FDEP – Southeast District Office
FDEP – Siting Coordination Office



48	8/24/10	GM	GV	DC
CRN 07127-19489 ADD:(C5,D6,C7-07) CONTINUATIONS REV:(C5-F7) LINE UP, (F7) ABANDONED EQUIPMENT.				
49	4/21/11	GM	GV	DC
EC218863 REV:(F1-F2) PIPING CONFIGURATION.				
50	1/5/12	GM	GV	DC
EC250014 ADD:(A1) PIPING & VENT, (D8) NOTE 2. REV:(A1,A2,C2) QUALITY BOUNDARIES.				
51	2/9/12	GM	POB	DC
EC250014 ADD:(C1) PIPING, VENT & QUALITY BOUNDARIES.				
52	8/22/13	GM	M2	DC
EC274451 ADD:(D1) VALVE.				
53	9/15/13	GM	GM	DC
EC274451 ADD:(B1) VALVE.				
54	2/9/17	GM	GM	DC
EC288131 DEL:(C5, C7) CONTINUATIONS.				

REFERENCE DRAWINGS

PIPE, VALVE & INSTRUMENT SYMBOLS	8770-G-078 SH 100
VALVE LIST	8770-A-051
LINE LIST	8770-B-052
VALVE OPERATIONAL NUMBER INDEX	8770-B-053
INSTRUMENT INSTALL DETAILS	8770-B-231
INSTRUMENT LIST	8770-B-230G

- NOTES:
- THIS DRAWING INCLUDES:
 - A. CHEMICAL FEED SYSTEM
 - B. DIESEL OIL SYSTEM
 - C. STEAM GENERATOR BLOWDOWN SYSTEM
 - LR BOUNDARIES REFLECT OVERFLOW LINE SEISMIC II/I CLASSIFICATION FOR PROXIMITY TO SAFETY RELATED DIESEL OIL STORAGE TANKS AND DRAIN LINES (1-2-00-3 AND 1-2-00-4).

NOTE:
THIS DRAWING IS MADE FROM REV. 31
OF DRAWING 8770-G-085 SH 1
AND PART OF REV. 32
OF DRAWING 8509-G-115 SH 1.

REVISION OF THIS DRAWING MAY REQUIRE UPDATE OF THE FOLLOWING DOCUMENTS:

- FSAR FIGURE 9.5-1
- FSAR FIGURE 10.4-1

**NUCLEAR SAFETY RELATED
IN PART ONLY**

FLORIDA POWER & LIGHT COMPANY
ST LUCIE PLANT
1976 - 890 MWe INSTALLATION - UNIT 1
**FLOW DIAGRAM
MISCELLANEOUS
SYSTEMS**

FLORIDA POWER & LIGHT COMPANY		
SCALE: NONE	APPROVAL	DATE
DIV: MECH		8770-G-086
DR: C. CLATT		SHEET
CH: J. BERGERON		1
		54

Figure 1: Steam Generator Blowdown System Process Flow Diagram



APPLICATION FOR A MINOR REVISION TO A WASTEWATER FACILITY OR ACTIVITY PERMIT

1. Instructions

- a. In accordance with Rule 62-620.325, F.A.C., this form must be submitted to the appropriate Department district office or approved local program when requests for minor revisions to a permit or minor modifications to a facility are made by a permittee, except for transfer of a permit to a new permittee and addition of a major user of reclaimed water to a Part III reuse system. Application for transfer of a permit to a new permittee shall be made on DEP Form 62-620.910(11). Application for addition of a major user of reclaimed water shall be made on DEP Form 62-610.300(4)(a)1.
- b. Each applicable item must be completed in full in order to avoid delay in processing of this form. Where attached sheets or other technical documentation are provided, indicate appropriate cross-references.
- c. Three (3) copies of this application with supporting documentation shall be submitted with this form.
- d. All information is to be typed or printed in ink. Dates are to be entered in MM/DD/YR format.
- e. This application and attachments shall be signed in accordance with Rule 62-620.305, F.A.C. Also, as applicable, this application and all attachments shall be signed and sealed by a professional engineer registered in Florida in accordance with Rule 62-620.310, F.A.C.

2. Facility Information

a. Permit Number: FL0002208 b. Facility Identification Number: FL0002208
c. Project/Facility Name: Florida Power & Light St. Lucie Plant
d. Contact Name: Daniel DeBoer
Number and Street: 6501 Ocean Drive
City/State/Zip Code: Jensen Beach, FL 34957
Telephone: 772-465-3550

3. Type of Revision

- Correct Typographical Errors¹** - Submit one copy of each page of the permit showing revisions being requested.
- Change Improvement Schedule¹** - Provide a description of the improvement, a list of the dates to be revised, and a reason for the proposed change in each date.
- Change Expiration Date of Permit¹** - Provide the current and proposed expiration dates for the permit and the reasons for the proposed change.
- Change Staffing Requirements²** - Describe the proposed change and submit justification for the change in accordance with Chapter 62-699, F.A.C.

¹A processing fee is not required.

²A processing fee is required with the application in accordance with Rule 62-4.050, F.A.C.

- Change Monitoring and Reporting Requirements²** - Describe the proposed change and submit justification for the change in accordance with Chapter 62-601, F.A.C.
- Modify Approved Pretreatment Program¹** - Describe the proposed modification and provide the information required by Rule 62-625.540, F.A.C.
- Delete Point Source Outfall¹** - Identify the outfall and explain why the outfall is being eliminated.
- Modify or Expand Approved Residuals Land Application Sites²** - Attach a new or updated Agricultural Use or Dedicated Site Plan as required by Chapter 62-640, F.A.C.
- Minor Modification to the Facility²** - Provide a description of the proposed modification. If applicable, attach any reports, plans, and specifications which have been developed to implement this modification.
- Other²** - Provide appropriate documentation. Describe.

4. **Certifications**

a. Applicant or Authorized Representative

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Daniel DeBoer _____ 9/13/17 _____
 (Signature of Applicant or Authorized Representative³) (Date)

Name (please type) Daniel DeBoer _____ Company Name Florida Power & Light _____
 Title Site Director _____ Company Address: 6501 S Ocean Drive _____
 Phone: 772-467-7100 _____ City/State/Zip Code: Jensen Beach, FL 34957 _____
 Email (optional): Daniel.DeBoer@fpl.com _____

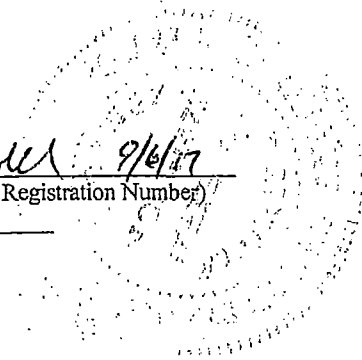
b. Professional Engineer Registered in Florida

I certify that the engineering features of this project have been ~~(examined)~~ (examined) by me and found to conform to engineering principles applicable to such projects. In my professional judgement, this facility, when properly constructed, operated, and maintained, will comply with all applicable statutes of the State of Florida and rules of the Department.

Name (please type): Timothy W. Powell _____
 Florida Registration Number: 51477 _____
 Company Name: Florida Power & Light _____
 Company Address: 700 Universe Blvd _____
 City/State/Zip Code: Juno Beach, FL 33408 _____
 Phone Number: (561)694-4015 _____

Timothy W. Powell 9/16/17 _____
 (Seal, Signature, Date, and Registration Number)

Email (optional): timothy.powell@fpl.com _____



³If signed by the authorized representative, attach a letter of authorization in accordance Rule 62-620.305, F.A.C.