

# CATEGORY 1

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ACCESSION NBR: 9608020281      DOG. DATE: 96/07/23      NOTARIZED: NO      DOCKET #  
 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.      05000335  
 AUTH. NAME      AUTHOR AFFILIATION  
 STALL: J.A.      Florida Power & Light Co.  
 RECIPIENT NAME      RECIPIENT AFFILIATION  
                                  Document Control Branch (Document Control Desk)

SUBJECT: NPDES noncompliance notification: on 960603, effluent pH of Unit 1 sewage treatment plant observed to be 4.03 std units. Util believes increased numbers of personnel at site during refueling outage resulted in extra loading.

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July 23, 1996

L-96-187  
10 CFR 50.36b  
10 CFR 50.4  
EPP 3.2.1

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

Re: St. Lucie Unit 1  
Docket No. 50-335  
Deviation of the NPDES Permit

On June 3, 1996, the effluent pH of the Unit 1 Sewage Treatment Plant was observed to be 4.03 Standard Units, which is less than the 6.0 Standard Units required by the National Pollutant Discharge Elimination System (NPDES) Permit. This deviation is being reported to the Environmental Protection Agency in the Monthly Discharge Monitoring Report. A copy of the event description is attached and is being sent pursuant to Section 3.2.1 of the St. Lucie Unit 1 Environmental Protection Plan.

As discussed in our letters L-95-150, dated May 16, 1995, and L-95-180, dated June 17, 1995, the U.S. Environmental Protection Agency has transferred administrative authority for the National Pollutant Discharge Elimination System (NPDES) Permit to the Florida Department of Environmental Protection (FDEP). FDEP has combined the NPDES permit and the State Wastewater Permit into a single document, WASTEWATER PERMIT NO. FL0002208.

Should you have any questions on this information, please contact us.

Very truly yours,

J. A. Stall  
Vice President  
St. Lucie Plant

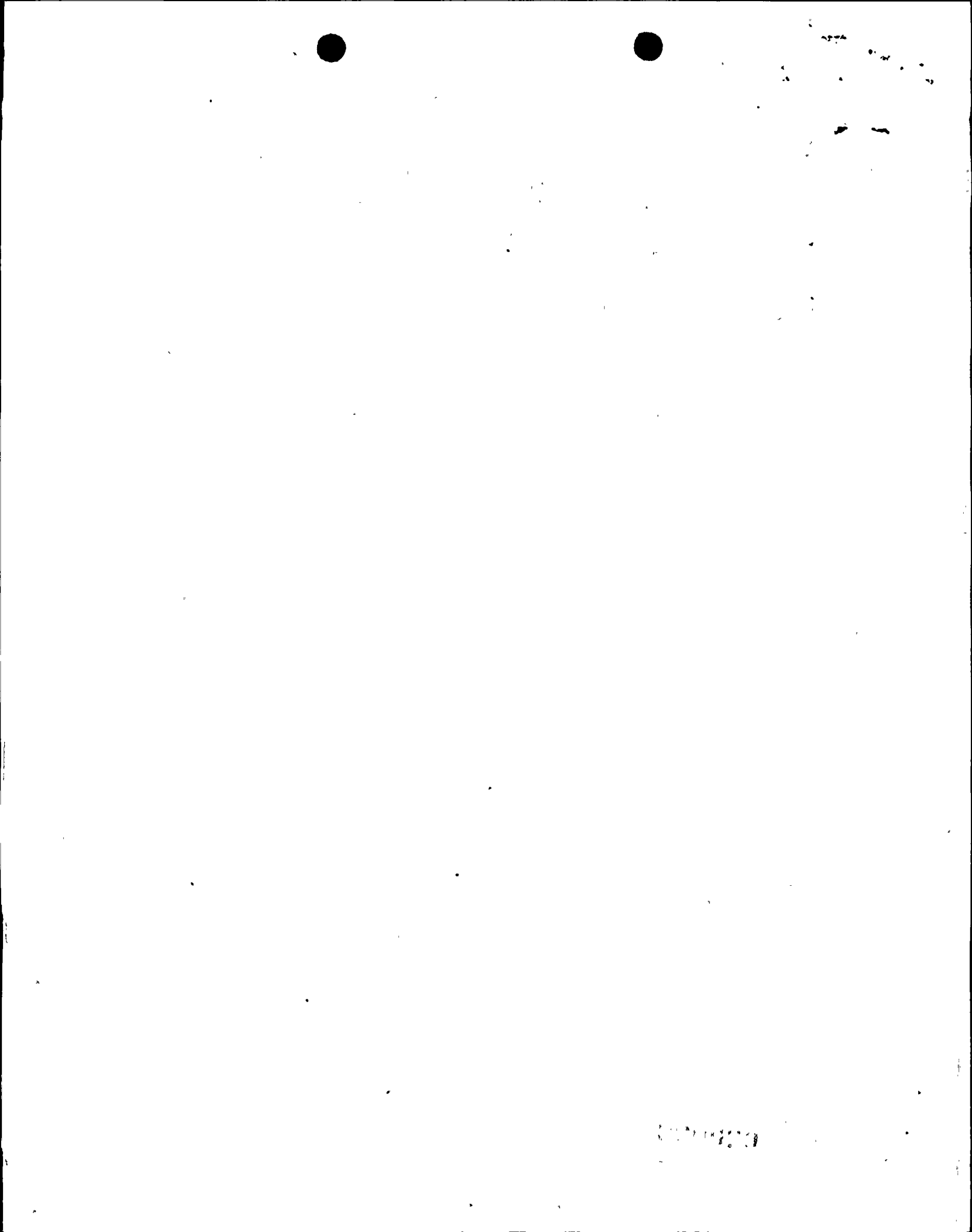
JAS/GRM

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

Attachment

9608020281 960723  
PDR ADOCK 05000335  
S PDR

C0011/1



St. Lucie Unit 1  
Docket No. 50-335  
L-96-187

Florida Power & Light Company - St. Lucie Plant  
Industrial Wastewater Permit No. FL0002208  
Outfall Serial Number: 004-1  
Domestic Wastewater Permit DO-56-194903  
June 1996

On Monday, June 3, 1996, at 1:12 PM, the St. Lucie Plant Unit 1 Sewage Treatment Plant (STP) effluent was tested and found to have a pH value of 4.03 Standard Units (S.U.). FPL believes that increased numbers of personnel at the site during a refueling outage resulted in extra loading on the STP which, in turn, probably caused the upset. A sample, previously collected on Friday, May 31, at 12:50 AM, was within the specified limit for pH. Aeration tank pH samples for June 1 and 2, 1996, were 6.90 and 7.05, respectively. This indicates that the event was of a relatively short duration (probably less than a day).

Upon discovering the STP effluent situation, corrective action was initiated by adding sodium carbonate to the system. The effluent pH was immediately returned within limits of 6.0 to 8.5 S.U. During the event, flow in the intake/discharge canal, which receives the Unit 1 STP effluent was approximately 500,000 gallons per minute. Flow from the STP is typically less than 10 gpm, therefore, no adverse effect on the environment was observed or expected.

Increased pH monitoring of the aeration and effluent tanks was undertaken following the event. This monitoring will be performed three times per day until the system has fully stabilized.

