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ACCESSION NBR: 9311050192      DOC. DATE: 93/11/01      NOTARIZED: NO      DOCKET #  
FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.      05000335  
AUTH. NAME      AUTHOR AFFILIATION  
SAGER, D.A.      Florida Power & Light Co.  
RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: NPDES noncompliance notification: on 930915, midnight  
discharge canal sample collected during biocide application  
indicated concentration of 0.53 ppm. Communications between  
individuals involved increased.

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TITLE: Environmental Event Report (per Tech Specs)

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P.O. Box 128, Ft. Pierce, FL 34954-0128

November 1, 1993

L-93-280  
10 CFR 50.36b  
10 CFR 50.4  
EPP 3.2.3

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 September 15, 1993, the biocide (Clam-trol, CT-1) concentration in the discharge canal was observed to be 0.53 ppm which exceeds the 0.4 ppm maximum limit in the plant's 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 is attached and is being sent pursuant to Section 3.2.1 of the St. Lucie Unit 1 Environmental Protection Plan.

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

Very truly yours,

D. A. Sager  
Vice President  
St. Lucie Plant

DAS/CDW/kw

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

Attachment

DAS/PSL #1011-93

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PDR ADOCK 05000335  
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**FLORIDA POWER AND LIGHT COMPANY - ST LUCIE PLANT  
NPDES PERMIT NUMBER FL0002208  
OSN 001  
MONITORING PERIOD - SEPTEMBER 1, 1993 THROUGH  
SEPTEMBER 30, 1993**

On September 15, 1993, the midnight discharge canal sample which was collected during a biocide application (Clam-trol, CT-1) indicated a concentration of 0.53 ppm. This value exceeded the 0.4 ppm maximum limit in the plant's NPDES permit. Analyses of four samples which were collected at four hour intervals prior to the event all yielded values of < 0.3 ppm. Problems had been experienced at the clay injection station (clay is injected to deactivate the biocide) just prior to the midnight sample. These problems were corrected within several minutes of their discovery but apparently enough time had elapsed to cause the exceedence. The two remaining samples collected during the application both yielded values of < 0.3 ppm.

The 0.53 ppm concentration noted in the discharge canal was well below the No Effect Level of 1.2 ppm which was established for this biocide. This fact, plus the dilution which occurs following discharge from the Y-port and multi-port diffusers upon discharge to the Atlantic Ocean, indicate that this event should not have caused any significant environmental damage.

Corrective actions include increased communications between the individuals involved in the biocide injection station, the clay injection station, and the chemistry department. If anomalies occur in any area, biocide injection will be immediately terminated until the condition is corrected.

