

# REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8801270011 DOC. DATE: 88/01/20 NOTARIZED: YES DOCKET #  
 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335  
 AUTH. NAME AUTHORITY AFFILIATION  
 WOODY, C. O. Florida Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 Document Control Branch (Document Control Desk)

SUBJECT: Application for amend to License DPR-67, changing Tech Specs  
 to increase enrichment spec of new fuel storage rack to 4.5  
 weight percent (w/o) U-235. Supporting documentation encl. Fee  
 paid.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3+36  
 TITLE: OR Submittal: General Distribution

## NOTES:

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
PD2-2 LA	1 0	PD2-2 PD	5 5
TOURIGNY, E	1 1		
INTERNAL: ARM/DAF/LFMB	1 0	NRR/DEST/ADS	1 1
NRR/DEST/CEB	1 1	NRR/DEST/MTB	1 1
NRR/DEST/RSB	1 1	NRR/DOEA/TSB	1 1
NRR/PMAS/ILRB	1 1	OGC/HDS2	1 0
REG FILE 01	1 1	RES/DE/EIB	1 1
EXTERNAL: LPDR	1 1	NRC PDR	1 1
NSIC	1 1		

w/checked  
 \$150  
 #7150





JANUARY 20 1988

L-88-16  
10 CFR 50.90

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

Gentlemen:

Re: St. Lucie Unit 1  
Docket No. 50-335  
Proposed License Amendment  
New Fuel Storage Racks Fuel Assembly Enrichment

In accordance with 10 CFR 50.90, Florida Power & Light Company (FPL) submits herewith a request to amend Facility Operating License DPR-67.

The proposed amendment would increase the enrichment specification of the new fuel storage rack to 4.5 weight percent (w/o) U-235. In support of the proposed amendment, FPL is submitting for NRC review and approval, a criticality safety analysis for the St. Lucie Unit 1 new fuel storage vault with 4.5% enriched 14 X 14 fuel assemblies. This proposed change allows increased flexibility in fuel management and accomodates storage of higher enrichments for use in future cycles.

Marked up copies of the affected Technical Specifications pages are included as Attachment 1. A Safety Evaluation in support of the proposed amendment is included as Attachment 2. A "Determination of No Significant Hazards Consideration" is provided as Attachment 3.

The proposed amendment has been reviewed by the St. Lucie Facility Review Group and the Florida Power & Light Company Nuclear Review Board.

In accordance with 10 CFR 50.91(b)(1), a copy of the proposed amendment is being forwarded to the state designee for the State of Florida.

*Handwritten:* Acol 1/11 w/ check \$150 \$7150

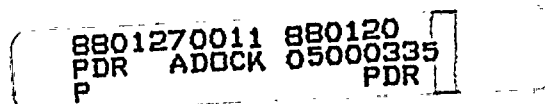


Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* on the substrate. The concentration of the spores was 10<sup>4</sup> spores/ml (a), 10<sup>5</sup> spores/ml (b), 10<sup>6</sup> spores/ml (c), 10<sup>7</sup> spores/ml (d), 10<sup>8</sup> spores/ml (e), 10<sup>9</sup> spores/ml (f), 10<sup>10</sup> spores/ml (g), 10<sup>11</sup> spores/ml (h), 10<sup>12</sup> spores/ml (i), 10<sup>13</sup> spores/ml (j), 10<sup>14</sup> spores/ml (k), 10<sup>15</sup> spores/ml (l).

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), 10<sup>9</sup> cells/ml (D), and 10<sup>10</sup> cells/ml (E). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), 10<sup>9</sup> cells/ml (D), and 10<sup>10</sup> cells/ml (E). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), 10<sup>9</sup> cells/ml (D), and 10<sup>10</sup> cells/ml (E).

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the medium containing 100 mg/l of tetracycline. The cells were harvested at the stationary phase of growth and adjusted to the concentration of  $1 \times 10^8$  cells/ml. The cells were then diluted to the concentrations of  $1 \times 10^7$ ,  $1 \times 10^6$ ,  $1 \times 10^5$ ,  $1 \times 10^4$ , and  $1 \times 10^3$  cells/ml. The cells were then mixed with the plant protoplasts and cocultured for 48 h. The transformation efficiency was determined by the number of transformants per protoplast. The results are shown in Table 1.

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

[illegible][illegible][illegible]

U. S. Nuclear Regulatory Commission

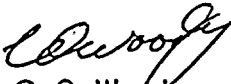
L-88-16

Page two

In accordance with 10 CFR 170.21, FPL Check No. 7150 is attached as remittance for the license amendment application fee.

Please contact us if you have any questions about this submittal.

Very truly yours,



C. O. Woody  
Executive Vice President

COW/EJW/gp  
Attachments (4)

cc: Dr. J. Nelson Grace, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant  
Mr. Lyle Jerrett, Florida Dept. of Health and Rehabilitative Services

STATE OF FLORIDA            )  
                                      )  
COUNTY OF PALM BEACH    ) ss.

C. O. Woody being first duly sworn, deposes and says:

That he is Executive Vice President of Florida Power & Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this document are true and correct to the best of his knowledge, information, and belief, and that he is authorized to execute the document on behalf of said Licensee.

*C. O. Woody*  
C. O. Woody

Subscribed and sworn to before me this  
20 day of January, 1988.

*Denise M. Salinas*

NOTARY PUBLIC, in and for the County  
of Palm Beach, State of Florida

NOTARY PUBLIC STATE OF FLORIDA  
MY COMMISSION EXP SEPT 18, 1989  
BONDED THRU GENERAL INS. UND.

My Commission expires: \_\_\_\_\_

