

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9612100192 DOC.DATE: 96/12/03 NOTARIZED: NO DOCKET #
 FACIL:50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 AUTH.NAME AUTHOR AFFILIATION
 HOVEY,R.J. Florida Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
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SUBJECT: Responds to RAI re NRC Bulletin 96-001, "Control Rod
 Insertion Problems." Hot rod drop test results,encl.

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L-96-311
10 CFR §50.54(f)

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

Re: Turkey Point Unit 3
Docket No. 50-250
NRC Bulletin 96-01
CONTROL ROD INSERTION PROBLEMS (TAC NO. M95012)
Request for additional information

NRC Bulletin 96-01, "CONTROL ROD INSERTION PROBLEMS", issued March 8, 1996, requested licensees take specific actions and provide information to the NRC. In accordance with NRC Bulletin 96-01, Florida Power and Light Company provided L-96-268 dated October 23, 1996. L-96-268 documented acceptable control rod drop time testing and rod recoil assessments performed during the Turkey Point Plant Unit 3 Cycle 15 Mid-Cycle Outage. The NRC subsequently requested the information be presented in tabular format to include a comparison of individual rod drop times from the Beginning of Cycle surveillance, core location, fuel assembly identification, burnup at the time of the test and a quantification of observed rod recoil. In accordance with this request, the attached response is provided for the Turkey Point Plant Unit 3 Cycle 15 Mid-Cycle Outage.

Should there be any questions, please contact us.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

JAH

Attachment

cc: S. D. Ebnetter, Regional Administrator, Region II, USNRC
T. P. Johnson, Senior Resident Inspector, USNRC,
Turkey Point Plant

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an FPL Group company.

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STATE OF FLORIDA)
) ss.
COUNTY OF DADE)

R. J. Hovey being first duly sworn, deposes and says:

That he is Vice President, Turkey Point Plant, of Florida Power and 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.

MIL

R. J. Hovey

Subscribed and sworn to before me this

3rd day of December, 1996.

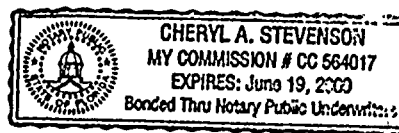
Cheryl A. Stevenson

Name of Notary Public (Type or Print)

NOTARY PUBLIC, in and for the County of
Dade, State of Florida

My Commission expires _____
Commission No. _____

R. J. Hovey is personally known to me.



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Key Point Unit 3 Cycle 15 Hot Rod Drop Test

L-96-311
Attachment
Page 1 of 1

| Control Rod Bank | Core Location | Fuel Assembly | RCCA Number | FA Burnup (MWD/MTU) (a) | Beginning of Cycle 15 | | Middle of Cycle 15 | | No. of Recoll Bounces Observed |
|------------------|---------------|---------------|-------------|-------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|--------------------------------|
| | | | | | Dashpot Entry Time (sec.) (b) | Total Rod Drop Time (sec.) | Dashpot Entry Time (sec.) (b) | Total Rod Drop Time (sec.) | |
| CBA | G5 | FF40 | R-26 | 30819 | 1.35 | 1.89 | 1.37 | 1.87 | 2 |
| CBA | E9 | FF38 | R-23 | 30819 | 1.35 | 1.89 | 1.35 | 1.88 | 3 |
| CBA | J11 | FF37 | R-42 | 30819 | 1.33 | 1.91 | 1.36 | 1.93 | 2 |
| CBA | L7 | FF39 | R-11 | 30819 | 1.34 | 1.90 | 1.38 | 1.91 | 2 |
| CBA | J5 | FF25 | R-17 | 30943 | 1.36 | 1.89 | 1.36 | 1.89 | 2 |
| CBA | E7 | FF29 | R-45 | 30943 | 1.35 | 1.87 | 1.36 | 1.86 | 2 |
| CBA | G11 | FF36 | R-33 | 30943 | 1.35 | 1.86 | 1.36 | 1.85 | 2 |
| CBA | L9 | FF33 | R-18 | 30943 | 1.34 | 1.93 | 1.40 | 1.93 | 2 |
| | | | | | | | | | |
| CBB | F2 | FF34 | R-29 | 22697 | 1.35 | 1.92 | 1.33 | 1.88 | 2 |
| CBB | B10 | FF28 | R-38 | 22697 | 1.36 | 1.95 | 1.34 | 1.93 | 2 |
| CBB | K14 | FF32 | R-37 | 22697 | 1.40 | 1.97 | 1.40 | 1.95 | 2 |
| CBB | P6 | FF30 | R-05 | 22697 | 1.32 | 1.87 | 1.31 | 1.83 | 2 |
| CBB | K2 | FF27 | R-39 | 22687 | 1.33 | 1.87 | 1.34 | 1.89 | 2 |
| CBB | B6 | FF26 | R-01 | 22687 | 1.41 | 2.01 | 1.40 | 2.00 | 2 |
| CBB | F14 | FF35 | R-100 | 22687 | 1.35 | 1.88 | 1.32 | 1.84 | 3 |
| CBB | P10 | FF31 | R-04 | 22687 | 1.39 | 1.93 | 1.34 | 1.87 | 3 |
| | | | | | | | | | |
| CBC | F4 | EE46 | R-10A | 37201 | 1.33 | 1.90 | 1.33 | 1.87 | 2 |
| CBC | D10 | EE50 | R-19 | 37201 | 1.36 | 1.90 | 1.36 | 1.89 | 2 |
| CBC | K12 | EE47 | R-40 | 37201 | 1.31 | 1.87 | 1.33 | 1.84 | 2 |
| CBC | M6 | EE51 | R-27 | 37201 | 1.34 | 1.89 | 1.35 | 1.92 | 2 |
| CBC | K4 | EE52 | R-35 | 37111 | 1.36 | 1.94 | 1.36 | 1.92 | 2 |
| CBC | D6 | EE49 | R-21 | 37111 | 1.35 | 1.93 | 1.35 | 1.93 | 2 |
| CBC | F12 | EE48 | R-96 | 37111 | 1.36 | 1.94 | 1.35 | 1.90 | 2 |
| CBC | M10 | EE45 | R-02 | 37111 | 1.34 | 1.89 | 1.36 | 1.90 | 2 |
| | | | | | | | | | |
| CBD | D8 | FF12 | R-44 | 30118 | 1.35 | 1.90 | 1.34 | 1.90 | 2 |
| CBD | M8 | FF16 | R-03 | 30118 | 1.34 | 1.91 | 1.35 | 1.91 | 2 |
| CBD | H4 | FF15 | R-22 | 30118 | 1.36 | 1.86 | 1.35 | 1.90 | 2 |
| CBD | H8 | EE03 | R-41 | 43841 | 1.36 | 1.90 | 1.35 | 1.89 | 2 |
| CBD | H12 | FF10 | R-16 | 30118 | 1.35 | 1.90 | 1.31 | 1.85 | 2 |
| | | | | | | | | | |
| SBA | G3 | FF46 | R-24 | 27731 | 1.33 | 1.98 | 1.34 | 1.94 | 3 |
| SBA | C9 | FF51 | R-32 | 27731 | 1.33 | 1.92 | 1.37 | 1.89 | 2 |
| SBA | J13 | FF44 | R-10 | 27731 | 1.33 | 1.92 | 1.35 | 1.90 | 3 |
| SBA | N7 | FF43 | R-06 | 27731 | 1.31 | 1.87 | 1.33 | 1.85 | 2 |
| SBA | J3 | FF42 | R-07 | 27718 | 1.36 | 1.88 | 1.35 | 1.86 | 2 |
| SBA | C7 | FF41 | R-43 | 27718 | 1.33 | 1.87 | 1.34 | 1.82 | 2 |
| SBA | G13 | FF47 | R-08 | 27718 | 1.35 | 1.87 | 1.36 | 1.84 | 2 |
| SBA | N9 | FF52 | R-15 | 27718 | 1.38 | 1.88 | 1.40 | 1.86 | 3 |
| | | | | | | | | | |
| SBB | E5 | FF19 | R-97 | 30608 | 1.35 | 1.87 | 1.31 | 1.83 | 2 |
| SBB | L11 | FF18 | R-09 | 30608 | 1.35 | 1.87 | 1.32 | 1.83 | 2 |
| SBB | L5 | FF22 | R-12 | 30608 | 1.31 | 1.83 | 1.32 | 1.83 | 2 |
| SBB | E11 | FF23 | R-28 | 30608 | 1.34 | 1.91 | 1.34 | 1.88 | 2 |
| SBB | H6 | EE35 | R-36 | 41255 | 1.38 | 1.92 | 1.36 | 1.93 | 2 |
| SBB | H10 | EE43 | R-46 | 41255 | 1.35 | 1.91 | 1.33 | 1.87 | 2 |
| SBB | F8 | EE44 | R-20 | 41255 | 1.36 | 1.92 | 1.33 | 1.92 | 2 |
| SBB | K8 | EE33 | R-14 | 41255 | 1.39 | 1.97 | 1.37 | 1.92 | 2 |

(a) Fuel Assembly burnup corresponding to the time of the Middle-of-Cycle 15 Hot Rod Drop Time Test.

(b) TS 3.1.3.4 requires that the individual full length (shutdown and control) rod drop time from the fully withdrawn positions shall be less than or equal to 2.4 seconds from the beginning of decay of stationary gripper coil voltage to dashpot entry.



10-10-10