

January 22, 1997

MEMORANDUM TO: PD IV-1 File

FROM: ^{TWA} Tom Alexion

SUBJECT: LICENSEE'S RESTART CRITERIA FOR ROD DROP TEST PLANNED FOR
JANUARY 25, 1997, SOUTH TEXAS PROJECT, UNIT 1 (TAC NO.
M95043)

I received the attached fax from the licensee. The licensee committed to provide this restart criteria in a public meeting on January 9, 1997, regarding the licensee's response to Bulletin 96-01 (Control Rod Insertion Problems). This is a revision from the restart criteria provided by the licensee on January 15, 1996, based on feedback from the NRC staff.

Docket No. 50-498

Attachment: Fax from Licensee

DISTRIBUTION:

Docket File

PUBLIC (PDR)

WBeckner

TAlexion

JKennedy

Doc. NAME: STP95043.RV1

NRC FILE CENTER COPY

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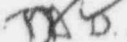
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Houston Lighting & Power Company

OFFICE MEMORANDUM

To: T. H. Cloninger

January 22, 1997

From:  D. A. Leazar

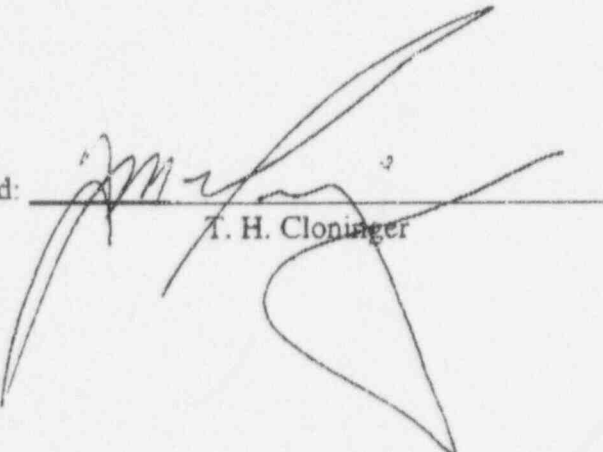
ST-HS-HS-025683

File No.: R26

Subject: Unit 1 Cycle 7 Incomplete RCCA Insertion Evaluation
Criteria for January 1997 Rod Drop Testing, Rev. 1

Please find the attached evaluation criteria to be used for evaluating incomplete rod insertion conditions during the upcoming Unit 1 rod drop test this month. Your approval authorizes me to apply these criteria for entry into Mode 2 per OPOP03-ZG-0004 (Reactor Startup).

Attachment

cc: J. F. Groth
L. E. Martin
G. L. Parkey
J. R. Lovell
RMSApproved: 

T. H. Cloninger

Unit 1 Cycle 7 Incomplete RCCA Insertion Evaluation Criteria for January 1997 Rod Drop Testing

Rod Drop Time (Technical Specification 3.1.3.4)

	Tech Spec Limit	Administrative Limit	Review Limit	Immediate Restart
	≤ 2.8 sec	≤ 2.6 sec	≤ 2.0 sec	≤ 1.85 sec

Shutdown Margin (Technical Specification 3.1.1.1) - Applicable for no-load Tav_g*

	Safety Evaluation (SE) Limit	Administrative Limit (15% Margin to SE Limit)	Review Limit (50% Margin to SE Limit)	Immediate Restart Limit
Category 1	56 RCCAs \leq 11 steps	48 RCCAs \leq 6 steps	28 RCCAs \leq 6 steps	3 RCCAs \leq 6 steps and No incomplete rod insertions in fuel \leq 30K
Category 2	20 RCCAs \leq 16 steps	17 RCCAs \leq 12 steps	10 RCCAs \leq 12 steps	3 RCCAs \leq 6 steps and No incomplete rod insertions in fuel \leq 30K
Category 3	12 RCCAs \leq 22 steps	10 RCCAs \leq 18 steps	6 RCCAs \leq 18 steps	3 RCCAs \leq 6 steps and No incomplete rod insertions in fuel \leq 30K

*All Shutdown Margin limits assume the highest reactivity worth rod is fully withdrawn. Refer to USQE 96-0025 for further category details. Rod positions for the Administrative, Review, and Immediate Restart limits are based on DRPI indication and account for DRPI system uncertainty (± 4 steps).

Actions Based on Incomplete RCCA Insertion Condition

	Criteria**	Action
Case 1	<u>ALL</u> Immediate Restart Limits met	1. Startup Unit 2. No additional short term actions 3. Communicate results to the NRC
Case 2	<u>ANY</u> Immediate Restart Criteria <u>NOT</u> met, but <u>ALL</u> Review Limits met	1. Startup Unit 2. Evaluate data within 1 week of startup to determine any additional actions 3. Communicate results to the NRC
Case 3	<u>ANY</u> Review Limits <u>NOT</u> met, but <u>ALL</u> Administrative Limits met	1. Brief NRC of test results and any planned actions prior to restart 2. Startup Unit
Case 4	<u>ANY</u> Administrative Limits <u>NOT</u> met	1. Evaluate data and revise the Safety Evaluation or reconfigure reactor core 2. Inform NRC

**Criteria applies to Rod Drop Time limits and a single Category of Shutdown Margin limits.