

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO:
Mr. Victor Stello

FROM:
Florida Power & Light Company
Miami, Florida
Mr. Robert Uhrig

DATE OF DOCUMENT
6/24/76
DATE RECEIVED
6/26/76

LETTER
 ORIGINAL
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 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED
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DESCRIPTION

Ltr. notorized 6/24/76;..Trans the following:

PLANT NAME: (2-P)
Turkey Point 3 & 4

ENCLOSURE

Amdt. to ol/change to Appendix A tech spec concerning Cask Handling.

(7-P)

ACKNOWLEDGED

DO NOT REMOVE

SAFETY FOR ACTION/INFORMATION ENVIRO 6/28/76 RJL

<input checked="" type="checkbox"/> ASSIGNED AD:		ASSIGNED AD:
<input checked="" type="checkbox"/> BRANCH CHIEF:	Lear (6)	BRANCH CHIEF:
PROJECT MANAGER:		PROJECT MANAGER:
<input checked="" type="checkbox"/> LIC. ASST.:	Parrish	LIC. ASST.:

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
<input checked="" type="checkbox"/> NRC PDR	HEINEMAN	TEDESCO	ENVIRO ANALYSIS
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	DENTON & MULLER
<input checked="" type="checkbox"/> OELD		LAINAS	
<input checked="" type="checkbox"/> GOSSICK & STAFF	ENGINEERING	IPPOLITO	ENVIRO TECH.
MIPC	MACCARRY	KIRKWOOD	ERNST
CASE	KNIGHT		BALLARD
HANAUER	SIHWEIL	OPERATING REACTORS	SPANGLER
HARLESS	PAWLICKI	STELLO	
PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	SITE TECH.
BOYD	ROSS	<input checked="" type="checkbox"/> EISENHUT (Lth.)	GAMILL
P. COLLINS	NOVAK	<input checked="" type="checkbox"/> SHAO	STAPP
HOUSTON	ROSZTOCZY	<input checked="" type="checkbox"/> BAER	HULMAN
PETERSON	CHECK	<input checked="" type="checkbox"/> BUTLER	SITE ANALYSIS
MELTZ		<input checked="" type="checkbox"/> GRIMES	VOLLMER
HELTEMES	AT & I		BUNCH
SKOVHOLT	SALTZMAN		<input checked="" type="checkbox"/> J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION

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<input checked="" type="checkbox"/> ACRS 16 CYS HOLDING/SENT	: PARRISH	

CONTROL NUMBER

6439

6/24/76

6/26/76

Florida Power & Light Company
Miami, Florida
Mr. Robert Harris

Mr. Victor Tello

60 copies incl recvd.
Ltr signed

Amc. to change to Appendix A tech spec
concerning Gas Handling.

Ltr. notorized 6/24/76;...Trans the following:

(2-2) (2-1)

Barry Point

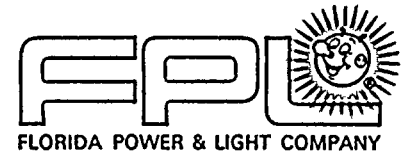
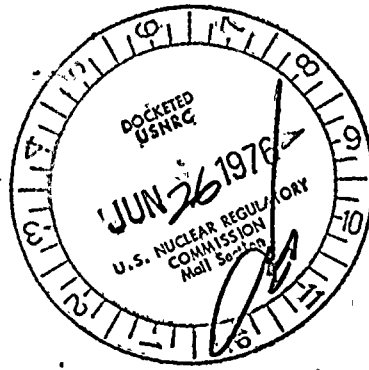
6/28/76

Dear

Harris

Miami, Florida

Regulatory Docket File

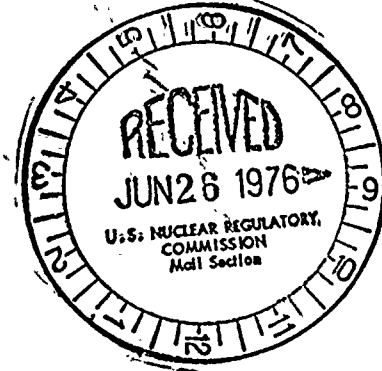


June 24, 1976
L-76-225

Office of Nuclear Reactor Regulation
Attn: Mr. Victor Stello, Jr., Director
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Stello:

Re: Turkey Point Plant Units 3 and 4
Docket Nos. 50-250 and 50-251
Proposed Amendment to Facility
Operating License DPR-31 and DPR-41



Pursuant to 10 CFR 50.30, Florida Power & Light Company submits herewith three (3) signed originals and forty (40) conformed copies of a request to amend Appendix A of the Facility Operating Licenses DPR-31 and DPR-41.

The proposed amendment limits the spent fuel transfer cask that may be moved into the spent fuel pit to a single element cask. It also sets a minimum time for decay of spent fuel before a transfer cask may be moved into the spent fuel pit.

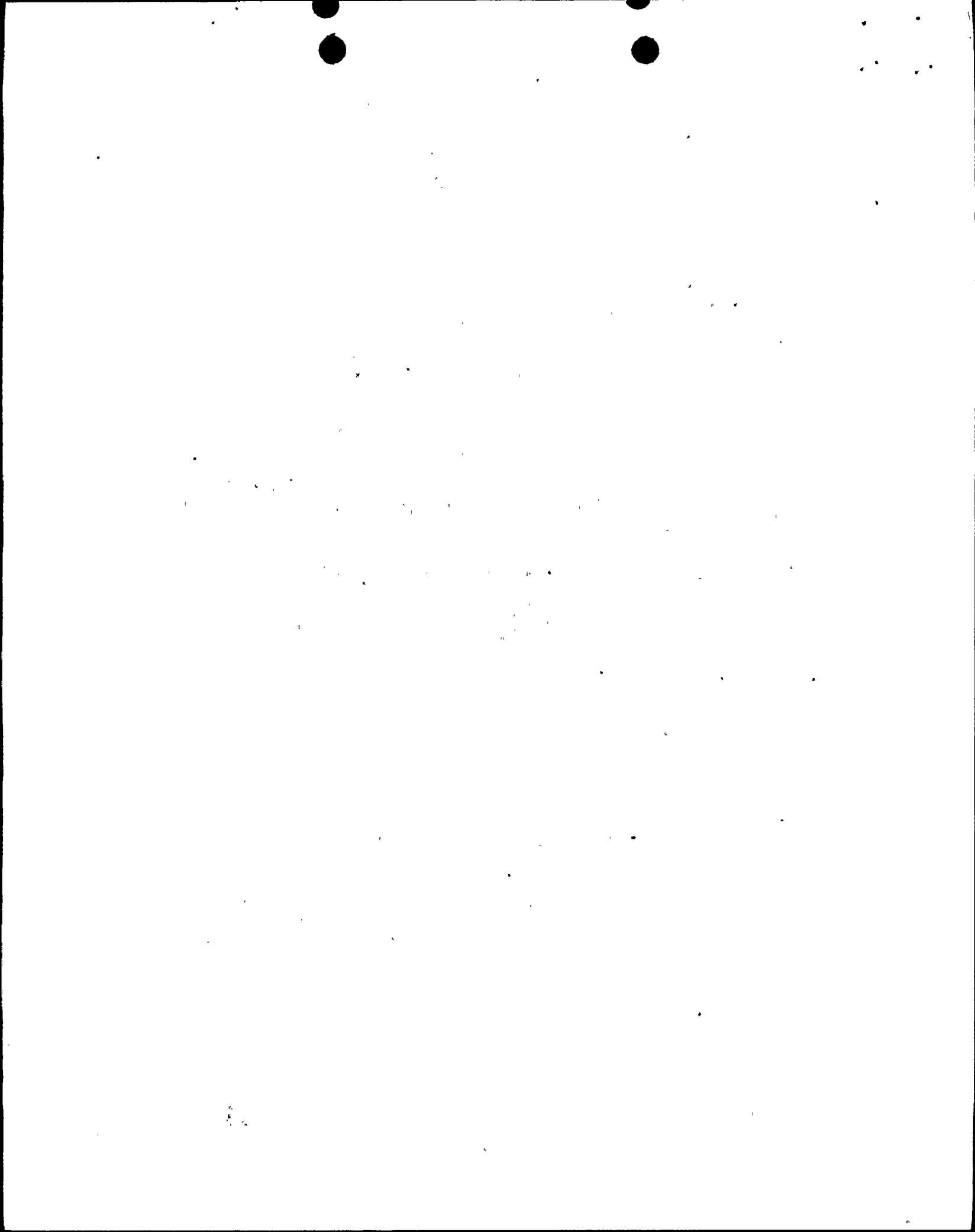
The proposed changes are set forth in the attached revised Technical Specification page bearing the date of this letter in the lower right hand corner and as described below:

Page 3.12-1 - Add Specification 3.12 on Cask Handling

Page B.3.12-1 - Add Basis for Limiting Condition for Operation, Cask Handling

This proposed amendment is being submitted upon the request of your staff. Florida Power & Light Company's position is that this amendment is not necessary at this time. Our cask onsite for our upcoming fuel transfer is a single element cask which weighs less than 25 tons, and as of June 15, 1976, the fuel in each spent fuel pit has decayed a minimum of fifty-nine (59) days. Both of these values are within the limits which would be imposed by the proposed amendment.

6439

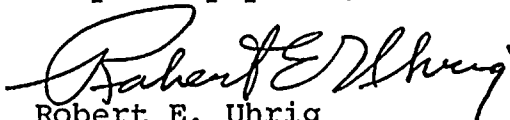


To: Victor Stello, Jr.
Re: Turkey Point Plant Units 3 and 4
Proposed Amendment to Facility
Operating Licenses DPR-31 & DPR-41

June 24, 1976
Page -2-

Attached is a summary of the safety analysis performed for this proposed amendment. The Turkey Point Plant Nuclear Safety Committee and the Company Nuclear Review Board have reviewed the proposed amendment and safety analysis, and have concluded that the proposed amendment does not constitute an unreviewed safety question. These review groups also concluded that, since the amendment adds limitations and does not change any existing limitations, the amendment is conservative and does not constitute a significant hazards consideration.

Very truly yours,



Robert E. Uhrig
Vice President

REU/GDW/hlc

Attachment

cc: Norman C. Moseley
Jack R. Newman, Esq.

3.12 Cask Handling

Applicability:

Applies to limitations during cask handling.

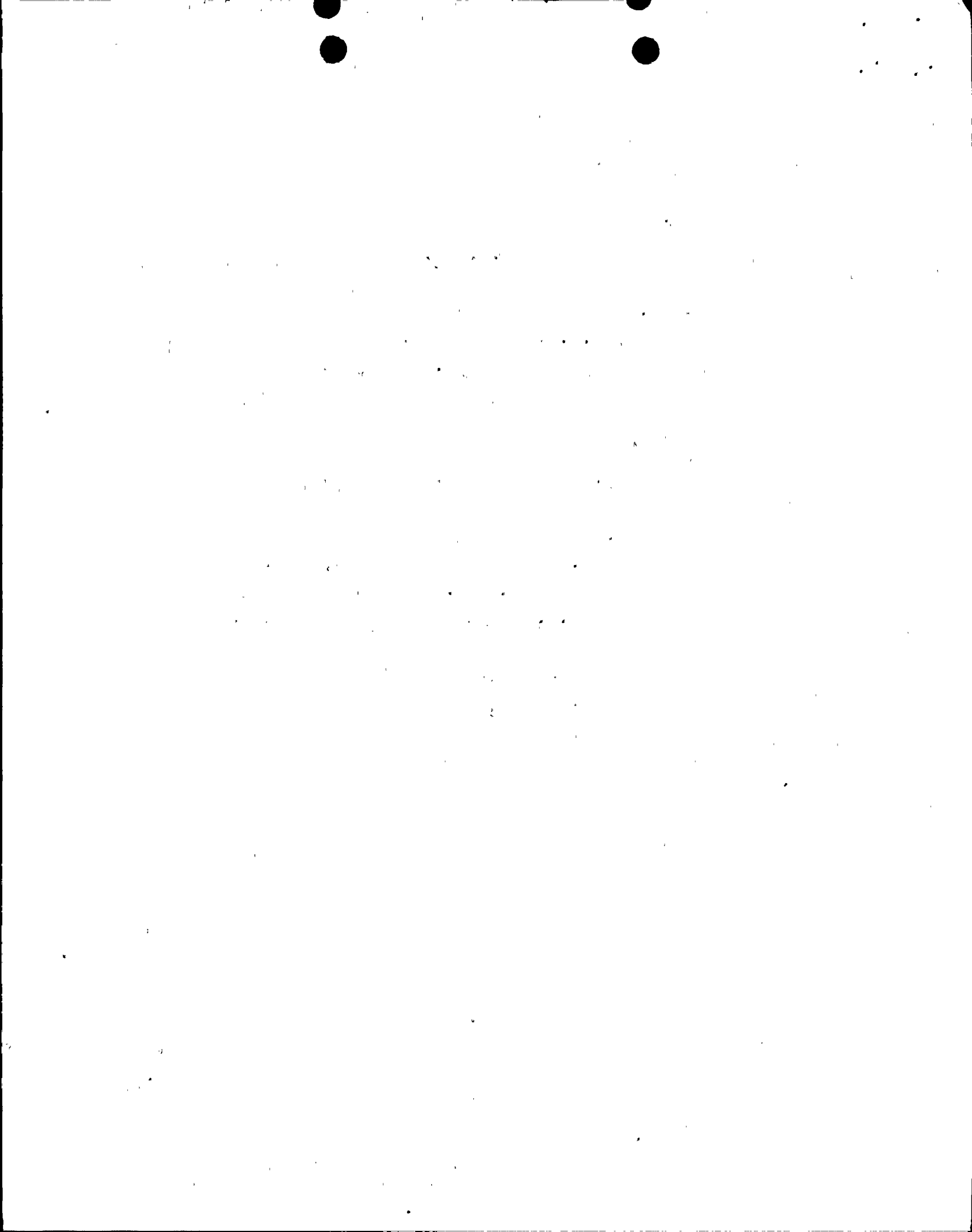
Objective:

To minimize the possibility of an accident during cask handling operations that would affect the health and safety of the public.

Specifications:

During cask handling operations:

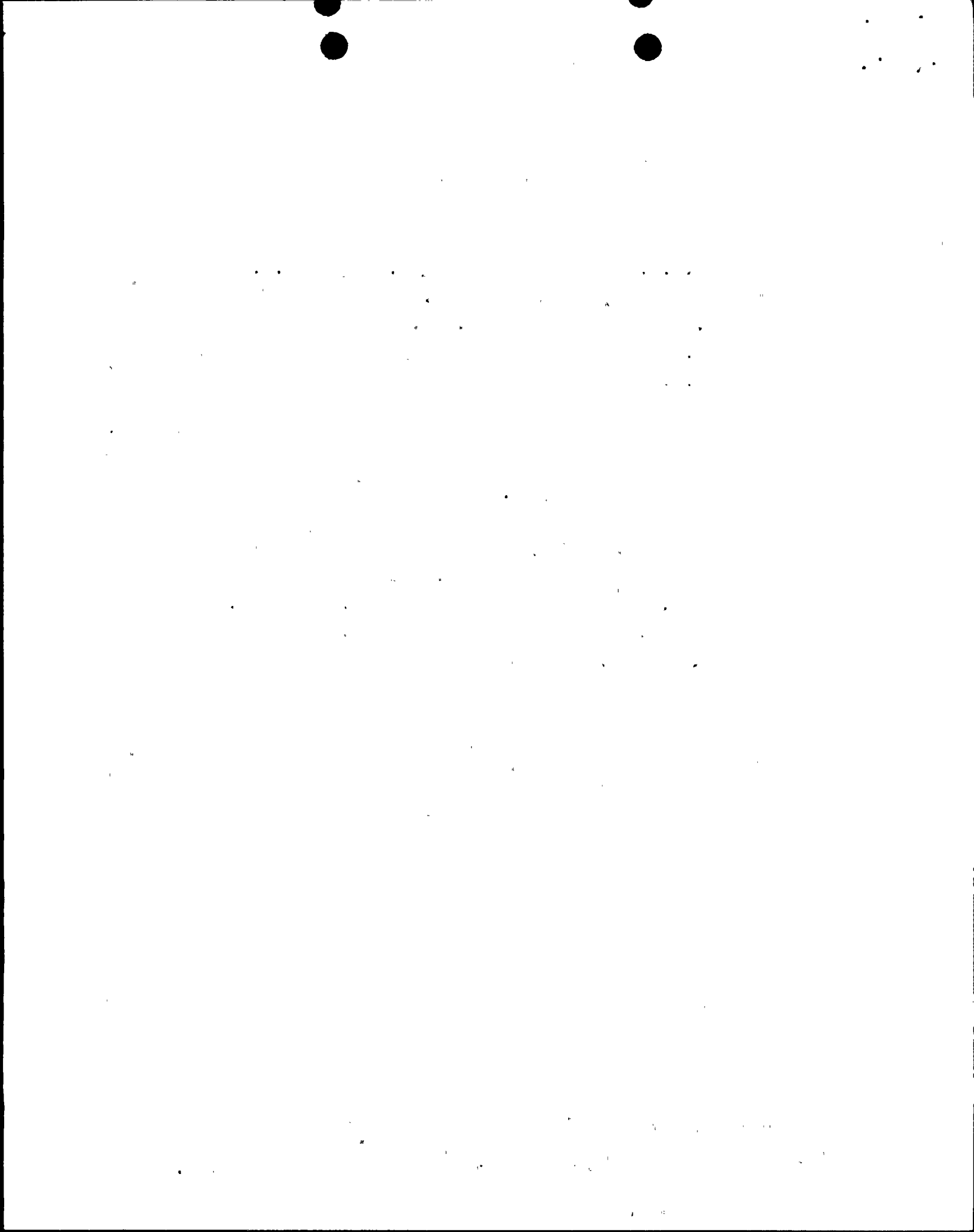
- (1) The spent fuel cask shall not be moved into the spent fuel pit until all the spent fuel in the pit has decayed for a minimum of one thousand (1,000) hours.
- (2) Only a single element cask may be moved into the spent fuel pit.



B.3.12 - BASIS FOR LIMITING CONDITIONS FOR OPERATION,
CASK HANDLING

Limiting spent fuel decay time to a minimum of 1,000 hours prior to moving a spent fuel cask into the spent fuel pit will ensure that potential offsite doses are a fraction of 10 CFR 100 limits.

The restriction to allow only a single element cask to be moved into the spent fuel pit will ensure the maintenance of water inventory in the unlikely event of an uncontrolled cask descent. Use of a single element cask which nominally weighs about twenty-five tons will also increase crane safety margins by about a factor of four.



SAFETY EVALUATION

INTRODUCTION

The Nuclear Regulatory Commission has requested that Florida Power & Light Company submit a proposed change to the Technical Specifications of Facility Operating Licenses DPR-31 and DPR-41 for Turkey Point Nuclear Generating Units 3 and 4 which would:

- 1) limit the size of the spent fuel cask which could be used in the spent fuel pit; and
- 2) specify a minimum fuel decay time required prior to moving a spent fuel cask into the spent fuel pool.

These changes represent additional limitations and do not change any existing limitations.

DISCUSSION

The proposed amendment imposes a limit on the size of the cask which may be moved into the spent fuel pit. The purpose of this limit is to increase the safety margin of the fuel handling crane. The fuel handling crane was originally designed to handle a cask weighing 105 tons. A single element cask weighs about twenty-five (25) tons and, therefore, the crane safety margins would be increased by about a factor of four.

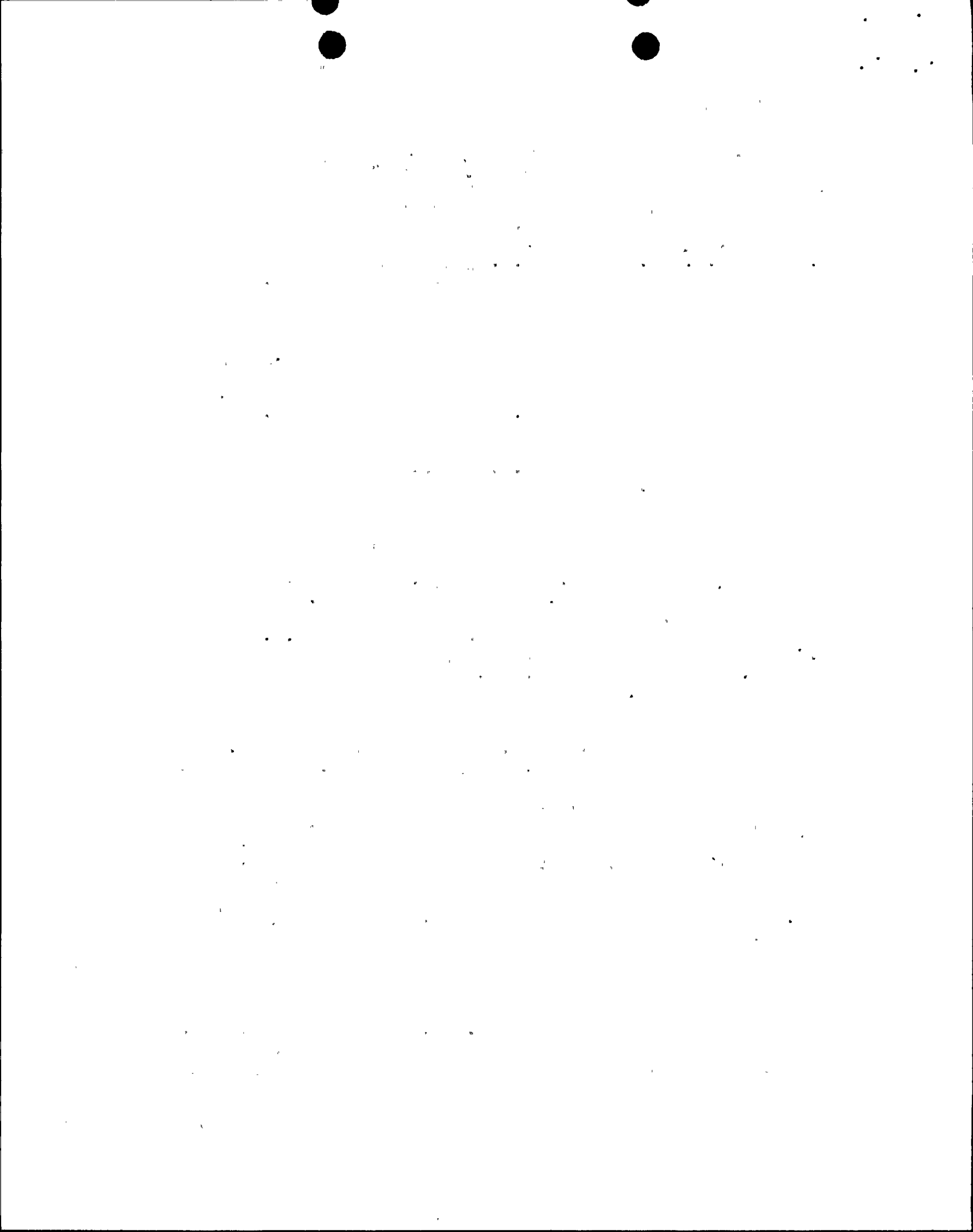
The proposed amendment also imposes a limit on the minimum spent fuel decay time required prior to lifting a spent fuel cask into the spent fuel pool. This limit further reduces the potential radiological consequences of damaged fuel elements in the unlikely event of a cask tip. Figures 1 and 2 present the results of analyses conducted to determine potential offsite doses resulting from the damage of various numbers of fuel assemblies after varying decay times.

Additional discussion may be found in our fuel transfer safety analysis sent to the NRC on June 23, 1976.

EVALUATION

The proposed amendment adds limitations and does not modify any existing limitations. The proposed amendment may add additional margins of safety for future cask handling evolutions.

It has, therefore, been determined by the Turkey Point Plant



Nuclear Safety Committee and the Company Nuclear Review Board that the proposed amendment does not involve a significant hazards consideration.

CONCLUSION

We have concluded, based on the considerations discussed above, that:

- (1) because the changes do not involve an increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the changes do not involve a significant hazards consideration;
- (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner; and
- (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security, or to the health and safety of the public.

HYDROLOUSE

FUEL POOL RELEASE

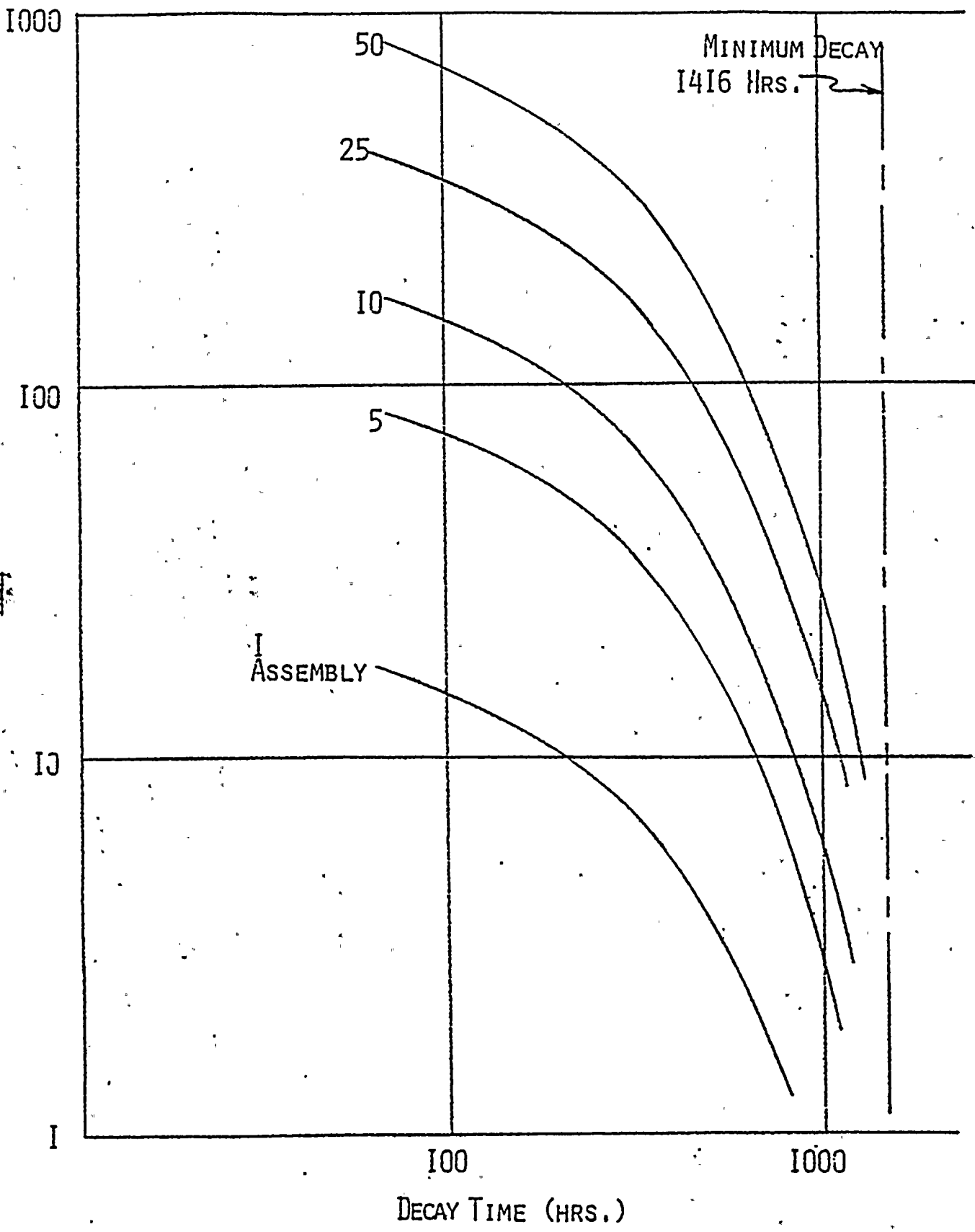


FIGURE 1

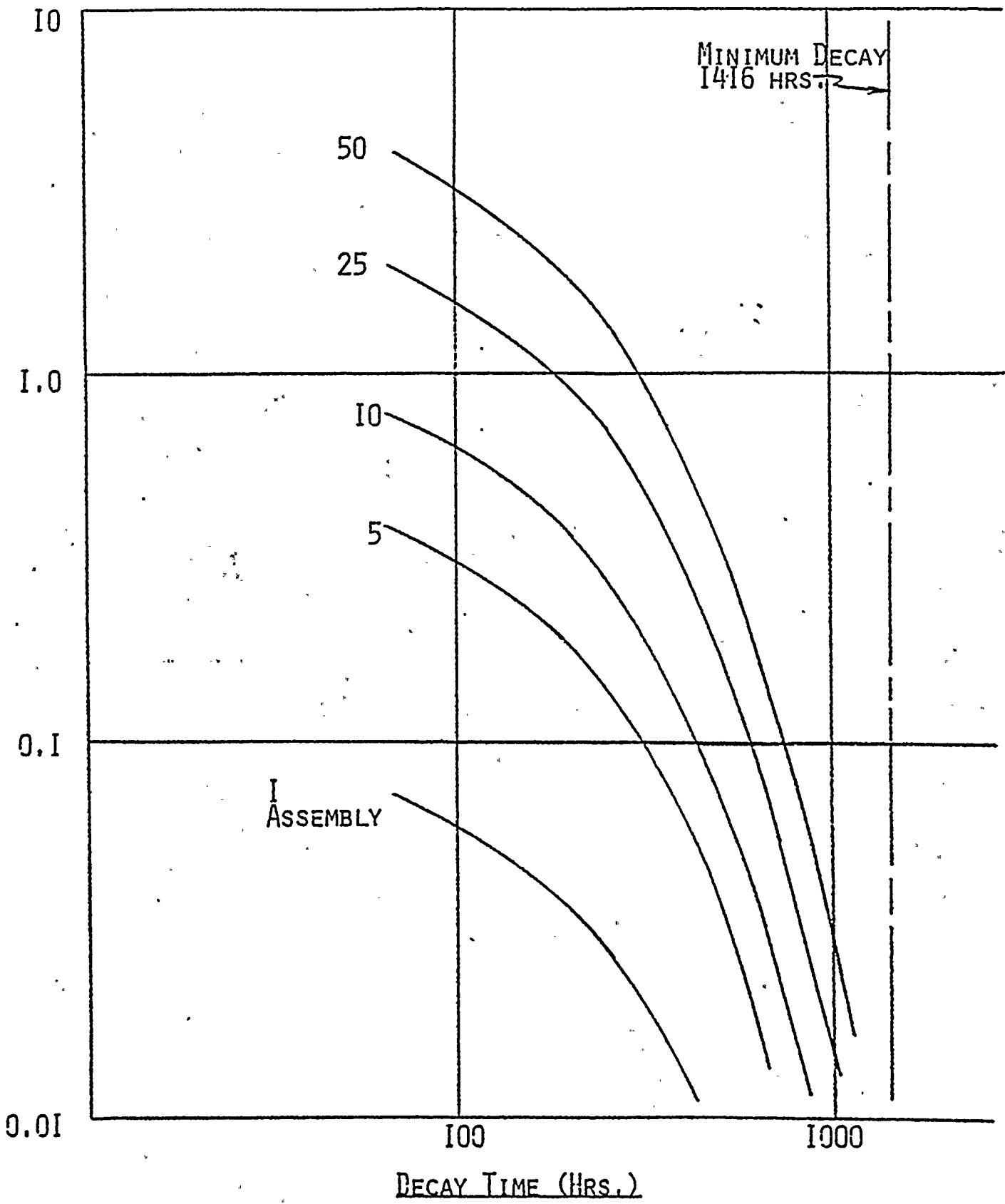
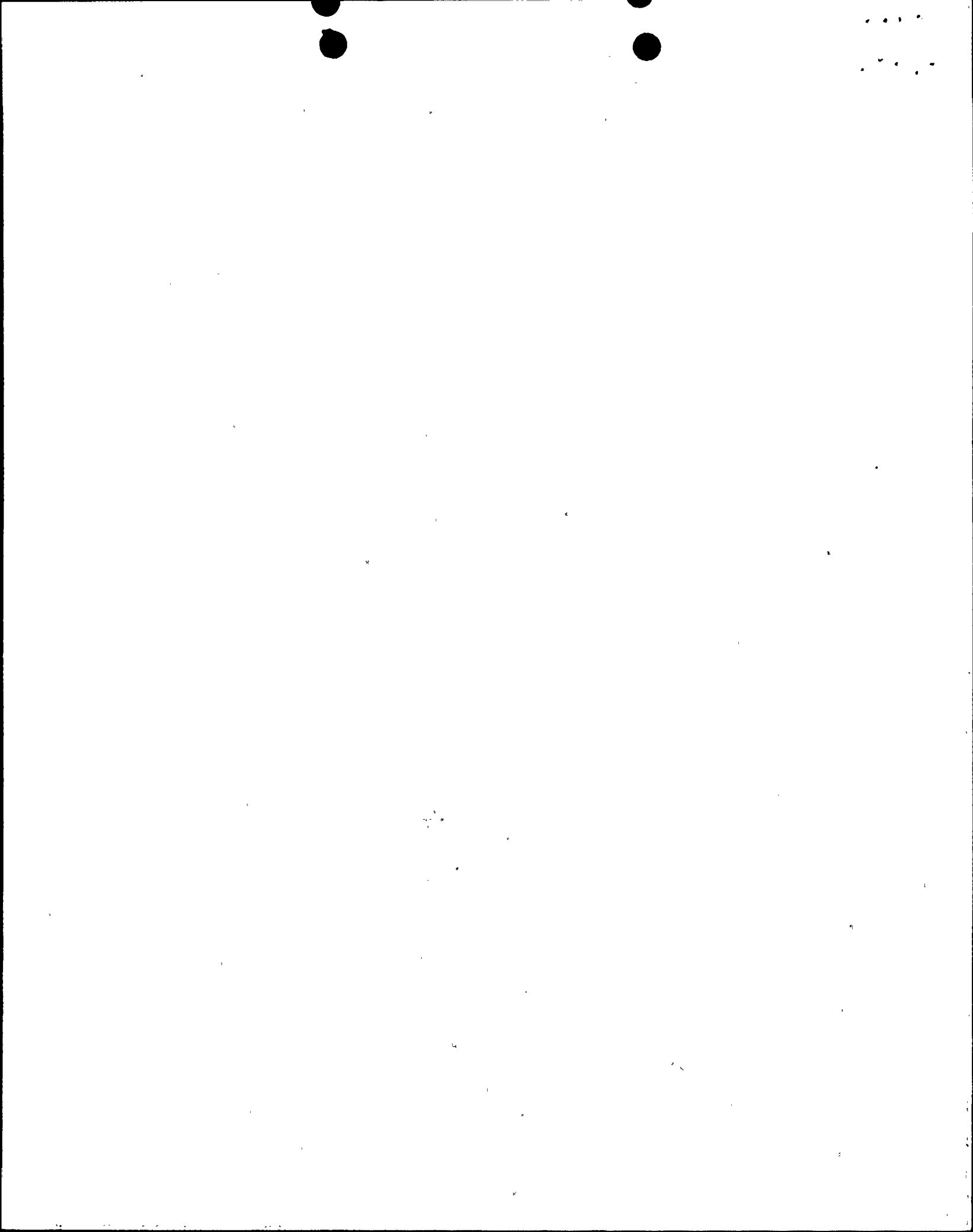


FIGURE 2



STATE OF FLORIDA)
) ss.
COUNTY OF DADE)

Robert E. Uhrig, being first duly sworn, deposes and says:


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

That he has executed the foregoing document; that the state-
ments made in this said 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.


Robert E. Uhrig

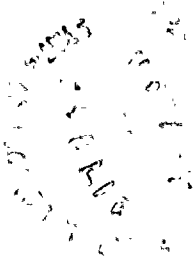
Subscribed and sworn to before me

this 24th day of June, 1976


Notary Public, in and for the County of Dade,
State of Florida

NOTARY PUBLIC STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES NOV. 30 1979
BONDED THRU GENERAL INS. UNDERWRITERS

My commission expires: _____



WASHINGTON
GENERAL INVESTIGATIVE
DIVISION
JUL 3 1954