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October 15, 1984

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

DOCKETED  
USNRC

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

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OFFICE OF SECRETARY  
DOCKETING & COMPLIANCE  
BRANCH

In the Matter of )  
 )  
METROPOLITAN EDISON COMPANY )  
 )  
(Three Mile Island Nuclear )  
Station, Unit No. 1) )

Docket No. 50-289 SP  
(Restart - Management Phase)

UNION OF CONCERNED SCIENTISTS'  
SEVENTH SET OF INTERROGATORIES TO GENERAL PUBLIC UTILITIES

TO: GENERAL PUBLIC UTILITIES NUCLEAR CORPORATION

Pursuant to 10 C.F.R. §§ 2.740(b) and 2.741, the Union of Concerned Scientists hereby requests General Public Utilities Nuclear Corporation ("GPU" or "licensee") to answer the following interrogatories separately, fully, in writing and under oath. All persons who answered or assisted in answering the interrogatories should be identified and the answers to which (s)he contributed indicated.

These interrogatories are deemed to be continuing. Any additional information relating in any way to these interrogatories that GPU acquires subsequent to the date of answering them, up to and including the time of hearing, should be furnished to UCS promptly after such information is acquired.

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The instructions and definitions to be used in answering these interrogatories and document requests are the same as those stated in Union of Concerned Scientists' First Set of Interrogatories to General Public Utilities.

7-1 Identify all current TMI training instructors who have completed the GPUN Instructor Development Program mentioned in the Special Report of the Reconstituted OARP Review Committee and state the date when the individual completed the program.

7-2 Describe in detail the oral examination given at the end of the operator training program. Include in your description how the oral examination is given, the number of people involved in giving the examination, the time that each examination takes, the number of questions, and any guidelines used for constructing the examination, such as the subjects that must be covered and the methods used for formulating questions

7-3 Provide the grading criteria, if any, used to evaluate performance on the oral examination, including the minimum passing grade on the examination. List the grounds for failure on the oral exam., and state who has final authority to determine whether an operator has passed or failed the oral exams. Describe the process used by GPU to determine the grade to be given on the oral examination, including all possibilities for review or alteration of the initial grades.

7-4 Describe all screening process used by GPU for the evaluation of candidates going through the training program,

including any evaluations of the adequacy of the operator candidates during the course of the training program.

7-5 Have any operator candidates been removed from GPU's training program as a result of a such screening process. If yes, list the number of candidates removed and the reasons why the candidate was eliminated.

7-6 Identify and describe all GPU evaluations on operators licensed since January 1983, including, but not limited to, evaluations by the Supervisor of Licensed Operator Training cited on page 13 of the Replacement Operator Training Program Descriptions.

7-7 Describe GPU's procedure to be followed if a candidate fails the Replacement Operator Training Program.

7-8 Does GPU consider failure of an NRC mock exam equivalent to failure in the Replacement Operator Training Program? If not, what are GPU's procedures in the case of failure on a mock examination? State the criteria by which GPU decides what additional training a candidate should receive after failing a mock NRC examination, and whether the candidate should take another mock NRC examination. Describe any retraining that a candidate must undergo before retaking the exam. In addition, list the maximum number of times that a candidate may retake a mock NRC examination. If there is no maximum, state the criteria by which GPU determines, after one or more failures by the same individual, whether the individual should be allowed to remain in the training program.

7-9 Describe the capabilities of the simulator in use at the TMI-1 training program, including in your description whether

the simulator has the capability of adaptive variation to adjust to an operator's weaknesses, and whether the simulator has the ability to record and to store data on transactions between the operator and the control room such as the operator's time of reaction and the number of errors made by the operator.

7-10 Describe what GPU considers satisfactory performance in the simulator portion of its replacement operator training program, and describe the system of grading operator's performance on the simulator, including all guidelines for grading an operator's performance.

7-11 GPU has provided copies of drafts of the Special Report of the Reconstituted OARP Committee Special Report under cover pages that state "Memo - Richard P. Coe, J. Duncan 9/7/84, Rev. 0 Uhrig Report" and "Memo - Richard P. Coe, J. Duncan 9/7/84, Rev. 1 Uhrig Report." Please provide the following information with respect to these documents:

a. Who is J. Duncan, what were his/her responsibilities, and what actions did he/she take with respect to the Special Report?

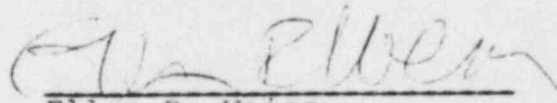
b. Why do the memoranda that accompany these drafts refer to J. Duncan?

c. Who wrote each of the handwritten notations on each of the documents, Rev. 0 and Rev. 1 of the "Uhrig Report?"

7-12 Identify every individual who drafted all or part of the conclusion to the Special Report. For each individual, identify the part of the conclusion to the Special Report that he/she drafted.

7-13 Identify every individual who reviewed any draft of the conclusion to the Special Report. For each individual, identify the changes suggested by that individual and the changes made to the conclusion as a result of or consistent with his/her review.

Submitted by



Ellyn R. Weiss  
General Counsel  
Union of Concerned Scientists

October 15, 1984

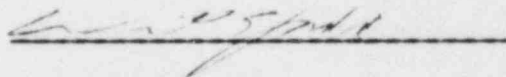
UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of	)	
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METROPOLITAN EDISON COMPANY	)	Docket No. 50-289
	)	(Restart Remand on
(Three Mile Island Nuclear	)	Management)
Station, Unit No. 1)	)	
	)	

CERTIFICATE OF SERVICE

I hereby certify that copies of the UNION OF CONCERNED SCIENTISTS' SEVENTH SET OF INTERROGATORIES TO GENERAL PUBLIC UTILITIES, October 15, 1984, were served on the following by deposit in The United States mail, first class, postage prepaid, on October 15, 1984.

William S. Jordan



UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

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METROPOLITAN EDISON COMPANY ) Docket No. 50-289  
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\* Hand delivered