

POOR ORIGINAL

AEC 1 SUBMITTAL FOR PART 50 DOCKET MATERIAL (TEMPORARY FORM)

CONTROL NO: 3453

FILE: 448

FROM: Metropolitan Edison Company Reading, Pa. 19603 J. G. Miller			DATE OF DOC 4-17-74	DATE REC'D 4-19-74	LTR X	MEMO	RPT	OTHER
TO: A. Giambusso			ORIG 1 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-289			

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Revised tables 13-2 & 13-4 found in Sec 13 of the Final Safety Analysis Report

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: Three Mile Island Unit #1

(1 cy rec'd)

FOR ACTION/INFORMATION

5-10-74 GC

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1 - P. R. DAVIS (AEROJET NUCLEAR)	NEWMARK/BLUME/AGDABIAN	RM-B-127, GT.
16 - CYS ACRS HOLDING	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-305 GT
	1-B & M SWINEBROAD, Rm E-201 GT	

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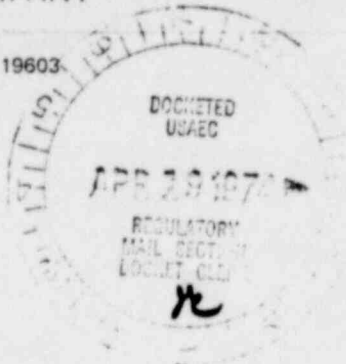
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METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601



April 17, 1974



Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
Office of Regulation
U.S. Atomic Energy Commission
Washington, DC 20545

Dear Mr. Giambusso:

SUBJECT: THREE MILE ISLAND NUCLEAR STATION
UNIT 1
DOCKET NO. 50-289

Attached please find copies of revised tables 13-2 and 13-4 found in Section 13 of the Final Safety Analysis Report. These tables have been revised to reflect the test program as it presently exists at Three Mile Island.

The information attached to this letter will be filed as an Amendment to the Final Safety Analysis Report on May 15, 1974.

Very truly yours,

J. G. Miller
Vice President

asb
Attachments

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TABLE 13-2

SAFETY RELATED TESTS TO BE PERFORMED DURING PREOPERATIONAL AND INITIAL STARTUP

TEST PHASES

<u>Test No.</u>	<u>Title</u>
SP 2	Filter Efficiency Tests
TP 500/5	Nuclear Chemical Addition and Sampling Op. Test
TP 172/2	Control Building Ventilation Functional Test
SP 330/1	Control Rod Drive Pre-Op. Calibration
TP 330/2	CRD Control System Op. Test
TP 330/3	CRD Mechanism Functional Test
TP 330/3A	Post Core-load CRDM Functional Test
TP 330/4	Integrated CRD System Test
TP 330/5	CRD Trip Test
TP 600/17	CRD Operational Test
TP 201/2	Core Flooding System Functional Test
TP 201/5	Core Flood Flow Test
TP 264/4	Decay Heat Closed Cooling System Functional Test
TP 263/4	Decay Heat River Water System Functional Test
TP 203/1	BWST Functional Test
TP 203/4	Decay Heat Removal System Functional Test
TP 203/7	Decay Heat Removal System Safety Features Test
TP 401/1	Diesel Generator Functional Test
TP 600/20	Loss of Electrical Power Test
TP 273/3	Emergency Feedwater Turbine and Motor-Driven Pumps Funct.
TP 600/11	Emergency Feed System and OTSG Level Control Test
SP 102.6	Fire Protection System CHECKOUT
TP 100/3	Fire Protection System Functional Test

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TABLE 13-2

SAFETY RELATED TESTS TO BE PERFORMED DURING PREOPERATIONAL AND INITIAL STARTUPTEST PHASES (Cont'd.)

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<u>Test No.</u>	<u>Title</u>
TP 153/3	Fluid Block System Functional Test
TP 153/4	Fluid Block System Actuation Time Determination
TP 120/3	Fuel Handling System Integrated Functional Test
TP 231/3	Gaseous Waste Disposal System
TP 800/24	In-Core Detector Testing
TP 256/3	Instrument Air System Functional Test
TP 240/3	Intermediate Cooling System Functional Test
TP 600/7	Intermediate Cooling System Operational Test
TP 256/4	Loss of Instrument Air Test
TP 230/3	Liquid Waste Disposal System - Transfer To and From RC and MW Evaporator Feed Tanks
F 1104/29A	Reactor Coolant Cleanup Processes
F 1104/29D	Decay Heat Water Cleanup Processes
F 1104/29E	Bleed and Feed Processes
F 1104/29I	Transfer From RC Drain Tank
F 1104/29J	Transfer Through Reactor Drain Pump
F 1104/29Y	Operation and Use of Precoat Filters
TP 230/4	Startup, Operation and Transfers from the RC and MW Evaporators
TP 600/6A	Liquid Waste Disposal System Operational Test
TP 202/3	Makeup and Purification System Functional Test

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TABLE 13-2

SAFETY RELATED TESTS TO BE PERFORMED DURING PREOPERATIONAL AND INITIAL STARTUP

TEST PHASES (Cont'd.)

<u>Test No.</u>	<u>Title</u>
TP 202/7	Makeup and Purification System E.S. Test
TP 600/4	Makeup and Purification System Operational Test
TP 600/15	Non-Nuclear Instrumentation Hot Operation Calibration
TP 301/3A	NI Pre-Op. Calibration (Source Range)
TP 301/3B	NI Pre-Op. Calibration (Intermediate Range)
TP 301/3C	NI Pre-Op. Calibration (Power Range)
TP 301/3D	Determination and Setting of Detector Voltages
TP 301/2	NI Detector Cabling and Response Tests
TP 800/2	NI Calibration at Power
TP 267/4	Nuclear Service Closed Cooling System Functional Test
TP 266/4	Nuclear Service River Water System Functional Test
TP 154/3	Penetration Pressurization System Operational Test
TP 150/4	Post Accident Hydrogen Purge System Functional Test
TP 360/1A	Process Radiation Monitoring System Calibration and Functional Test (Portable Atmospheric Monitors)
TP 360/1B	Process Radiation Monitoring System Calibration and Functional Test (Atmospheric)
TP 360/1C	Process Radiation Monitoring System Calibration and Functional Test (Liquid)
TP 360/2	Area Radiation Monitor Calibration and Functional Test
TP 600/3	Biological Shield Survey
TP 150/3	Initial Reactor Building Leak Rate Test

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TABLE 13-2

SAFETY RELATED TESTS TO BE PERFORMED DURING PREOPERATIONAL AND INITIAL STARTUP

TEST PHASES (Cont'd.)

<u>Test No.</u>	<u>Title</u>
TP 150/2	Reactor Building Proof Pressure Test
TP 151/1	Reactor Building Isolation Valve Leak Test
TP 160/2	Functional Test, Reactor Building Emergency Cooling, Water Side
TP 160/3	Reactor Building Purge System Functional Test
TP 160/4	Reactor Building Fans Functional Test
TP 204/3	Reactor Building Spray System Functional Test
TP 251/1	Reactor Building Sump, Auxiliary Building Sump and Compartment Leak Detectors Functional Test
TP 200/6	Reactor Coolant Pumps Initial Operation Test
TP 200/11	Reactor Coolant Pump Flow Test
SP 201.19	Reactor Coolant Pump Vibration Test
TP 200/1	Reactor Internals Vent Valve Inspection Test
TP 200/4	RCS Hydro
TP 200/12	RC Flow Coastdown Test
TP 600/1	Unit Heatup Test
TP 600/3	Soluble Poison Concentration Control Test
TP 600/10	RCS Hot Leakage Test
TP 600/13	Pressurizer Operational and Spray Flow Test
TP 600/14	Pipe and Component Hanger Hot Deflection and Inspection
TP 600/24	Unit Cooldown Test

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TABLE 13-2

SAFETY RELATED TESTS TO BE PERFORMED DURING PREOPERATIONAL AND INITIAL STARTUP

TEST PHASES (Cont'd.)

<u>Test No.</u>	<u>Title</u>
TP 600/28	Controlling Procedure for HFT
TP 600/29	RCS Thermal Expansion Functional Test
TP 600/30	HFT Checkpoints
TP 710/1	Zero Power Physics Test
SP 710.2	Controlling Procedure for Post Fuel Load Pre-Critical Testing
TP 800/5	Reactivity Coefficients at Power
TP 800/6	Steam Bypass Testing
TP 800/7	Feed System Operation and Testing
TP 800/8	ICS Tuning at Power
TP 800/9	Turbine Generator Operational Testing
TP 800/11	Core Power Distribution
TP 800/12	Unit Load Steady State Test
TP 800/14	Turbine/Reactor Trip Tests
TP 800/16	Reactivity Depletion vs. Burnup
TP 800/17	Unit Acceptance Test
TP 800/18	Power Imbalance Detector Correlation Test
TP 800/20	Rod Reactivity Worth Measurements
TP 800/21	Unit Startup and Power Escalation Test
TP 800/22	NSS Heat Balance
TP 800/23	Unit Load Transient Tests

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TABLE 13-2

SAFETY RELATED TESTS TO BE PERFORMED DURING PREOPERATIONAL AND INITIAL STARTUPTEST PHASES (Cont'd.)

<u>Test No.</u>	<u>Title</u>
TP 800/30	Power Range Checkpoints
TP 800/31	Pseudo Dropped Rod Test
TP 800/32	Loss of Offsite Power Test
TP 800/33	Pseudo Rod Ejection Test
TP 800/34	Generator Trip Test
TP 800/35	Effluent and Effluent Monitoring System Test
TP 800/36	Shutdown from Outside the Control Room
TP 305/1	RPS Pre-Op. Calibration
TP 305/2	RPS Response Time Test
TP 600/23	RPS Functional Test
F 1104/24B	Screen House Ventilation Functional Verification
F 1104/6	Spent Fuel Cooling Functional Verification
TP 230/8	Solid Waste Disposal System Test
TP 600/21	Integrated E.S. Actuation Test
TP 401/3	Station Battery Discharge and Charge Test
TP 271/4	Main and Aux. Steam Functional Test
TP 245/33	Turbine Generator Initial Operation

TABLE 13-4

IR ESCALATION SEQUENCE TABLE (Cont'd)

	15	15-25	25	30	35	40	50	60	70	76	85	95	100
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X ₁	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X
X ₁	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X

NOTE: Major Power Plateaus are 15, 40, 76,
and 100% Full Power.

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