

50-289

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Mr W G McDonald

FROM: Metropolitan Edison Co
Reading, Pa
R C ArnoldDATE OF DOCUMENT
2-17-77

DATE RECEIVED 2-23-77

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DESCRIPTION

Ltr trans the following:

1p

ENCLOSURE

Rating/Capacity data per our request.....

2p

PLANT NAME: Three Mile #1

SAFETY

FOR ACTION/INFORMATION

ENVIRO

3-3-77

ehf

ASSIGNED AD:		ASSIGNED AD:
BRANCH CHIEF:	Reid (S)	BRANCH CHIEF:
PROJECT MANAGER:	Zweitzig	PROJECT MANAGER:
LIC. ASST. :	Ingram	LIC. ASST. :
McDonald (2)		

INTERNAL DISTRIBUTION

REG FILE	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
NRC PDR	HEINEMAN	TEDESCO	ENVIRO ANALYSIS
I & E (2)	SCHROEDER	BENAROYA	DENTON & MILLER
OELD		LAINAS	
GOSSICK & STAFF	ENGINEERING	IPPOLITO	ENVIRO TECH.
MIPC	MACARRY	KIRKWOOD	ERNST
CASE	BOSNAK		BALLARD
HANAUER	SIHWEIL	OPERATING REACTORS	SPANGLER
HARLESS	PAWLICKI	STELLO	
			SITE TECH.
PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	GAMMILL
BOYD	ROSS	EISENHUT	STAPP
P. COLLINS	NOVAK	SHAO	HULMAN
HOUSTON	ROSZTOCZY	BAER	
PETERSON	CHECK	BUTLER	SITE ANALYSIS
MELTZ		GRIMES	VOLLMER
HELTAMES	AT & I		BUNCH
SKOVHOLT	SALTZMAN		J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Harrisburg, Pa	NAT. LAB:	BROOKHAVEN NAT. LAB.
TIC:	REG V. IE	ULRIKSON (ORNL)
NSIC:	LA PDR	
ASLB:	CONSULTANTS:	
ACRS 16 CYS HOLDING/SENT	As CAT B	

1866



METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

February 17, 1977
GQL 0210

Director of Nuclear Reactor Regulation
Attn: Mr. W. G. McDonald, Director
Office of Management Information
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555



Dear Sir:

Three Mile Island Nuclear Station Unit 1 (TMI-1)
Docket No. 50-289
Operating License No. DPR-50

Attached please find the TMI-1 Rating/Capacity data requested by your office.

Sincerely,

R. C. Arnold
Vice President

RCA:JMC:tas

Attachments

1666

1484 164

Unit Name Three Mile Island Nuclear Station, Unit 1 (TMI-1)

Please provide the following information or verify the information provided:

1. Nameplate Rating (Gross MWe) 871.
The nameplate rating is the megavolt amperage (MVA) times the nameplate power factor of the turbine-generator.
2. Maximum Dependable Capacity (Gross MWe) 840.
The gross maximum dependable capacity is the gross electrical output as measured at the output terminals of the turbine-generator during the most restrictive seasonal conditions.
3. Design Electrical Rating (Net MWe) 819.
The net design electrical rating is that nominal output of the unit specified by the utility and used for the purpose of plant design.
4. Maximum Dependable Capacity (Net MWe) 792.
The net maximum dependable capacity is the gross electrical output as measured at the output terminals of the turbine-generator during the most restrictive seasonal conditions less the normal station service loads.

The above referenced information has been reviewed and corrected or verified.

Name

L. L. Sawyer

Title Manager-Operational Quality Assurance

Phone Number 215-929-3601 Ext. 111

1484 165

General Electric:

Steam Turbine Generator Unit 17GX399

Rating 837478KW 1800 Rpm 13 stages

Steam conditions pressure 885Psig

Temperatures 565°F

Exhaust pressure 1.70"/2.25"/2.80" Hg absolute

Generator BTB 4 poles 60 cycles #180X399 Hydrogen and water cooled

Y connected for 19,000 volts rating

Excitation 500 volts gas pressure 60 Psig

Temperature rise at rated load KVA 967800.

Generated not to exceed 54°C on stator winding by detector 64°C on field by resistance.

Stator amperage 29,408

Field amperage 3,483

Power factor .9