



GPU Nuclear, Inc.  
One Upper Pond Road  
Parsippany, NJ 07054-1095  
Tel 201-316-7000

November 5, 1996  
B000-96-055  
6710-96-2343-1

U. S. Nuclear Regulatory Commission  
Att: Document Control Desk  
Washington, DC 20555

Gentlemen:

Subject: Three Mile Island Nuclear Station, Unit No. 1 (TMI-1)  
Docket No. 50-289  
Operating License No. DPR-50  
Long Range Planning Program (LRPP)  
Annual Update of Integrated Schedule  
"ABC" Project Listing

Pursuant to License DPR-50 Condition No. 2.c.9, GPU Nuclear (GPUN) Inc. hereby submits the required annual update of projects listed in each category (A, B, and C) as defined by the LRPP integrated schedule. The attachments to this letter include: 1) the ABC project listing; and, 2) a summary of changes since the last submittal forwarded by GPUN Letter No. C311-95-2436, dated November 5, 1995. An abstract of the attachments follows:

1. Attachment A - A new project listing of Category A, B, and C projects annotated by an asterisk (\*) to identify new projects and by a double asterisk (\*\*) to identify changes in Budget Authorization (B/A) number assignments. Completed projects have been removed from the schedule listing. Remaining projects are ongoing or are scheduled consistent with cycle/year commitments. Any changes in schedule are reflected on Attachments A and B. There are currently no Category A projects on the schedule.

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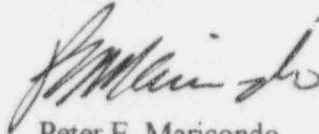
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2. Attachment B - A summary listing of Category A and B projects which have been completed, deferred, changed in scope, or otherwise changed with explanations, as appropriate. The listing also contains Category C project completions. Changes to the Category C scope or schedule do not impact the Category A and B schedules.

Pursuant to the LRPP for TMI-1, GPU Nuclear will assume that the NRC is in agreement with the above Category A and B changes, unless we are notified otherwise within 15 days of receipt.

Sincerely,



Peter E. Maricondo  
Vice President and Director  
Financial & Planning Services

GMG/

cc: Administrator, Region 1  
TMI-1 Senior Project Manager  
TMI Senior Resident Inspector

**ATTACHMENT A**

**TMI-1 PROJECT LISTING  
INTEGRATED SCHEDULE  
ANNUAL UPDATE**

**(NOVEMBER, 1996)**

# TMI - 1 PROJECT LISTING

## LEGEND

- \* NEW PROJECTS
- \*\* BA NUMBER CHANGE

## NRC INTEGRATED SCHEDULE

### CATEGORY 'B' PROJECTS

SORT BY CATEGORY/CYCLE/BA

STATUS AS OF 11/04/1996

OBS	BA NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
1	123321	REACTOR BLDG TENDON SURVEILLANCE PROG  PROVIDE CONTRACTOR AND PLANT SUPPORT FOR SURVEILLANCE PROGRAM. REF. NUREG 135.1; TS 4.4.2.1	12	NRR
2	123334	ILRT  INTEGRATED REACTOR BUILDING LEAK RATE TEST PER TS 4.4.1.1.	12R	NRR
3	123345	** OTSG TUBE PLUGGING  INSTALL NEW PLUGS AS NECESSARY. REPLACE 1/2 THE EXISTING I600 PLUGS (379). REF. TS 4.19	12R	NRR
4	123348	* CRDM FLG GASKETS/THERM BARRIERS  REPLACE LAST 30 THERMAL BARRIERS, INCL. FLANGE GASKETS REQUIRING REPLACEMENT AND ONE GROUP 8 FLANGE GASKET. TS 4.7.1.1	12R	MRC
5	128210	** PIPE WALL THINNING MONITORING PROGRAM CY ALL THIS PROJECT CONTINUES IMPLEMENTATION OF THE LONG-TERM PROGRAM FOR SYSTEMATIC INSP OF SECONDARY PLANT PIPE FOR FAC	12R	NRR
6	128211	** ISI INSPECTIONS (12R)  ASME SECT XI INSPECTIONS; AUGMENTED ISI TO COMPLY WITH 10CFR50.55A	12R	NRR
7	128212	** OTSG EDDY CURRENT TESTING  40%-INSERVICE TUBES; 50%-SLEEVES; 21%- KINETIC EXP.TUBES; 100%-I600 PLUGS (UPPER) PER TS 4.19 & EPRI GUIDELINES	12R	NRR

# T M I - 1 P R O J E C T L I S T I N G

## LEGEND

\* NEW PROJECTS  
 \*\* BA NUMBER CHANGE

## N R C I N T E G R A T E D S C H E D U L E

### CATEGORY 'B' PROJECTS

SORT BY CATEGORY/CYCLE/BA				STATUS AS OF 11/04/1996	
OBS	BA NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION	
8	412552	MODIFICATIONS FOR SEISMIC QUALIFICATION ALL MODS TO COMPLY WITH SEISMIC QUAL TO RE- SOLVE USI-A46 AND GL 87-02.	12R	NRR	
9	123345	** OTSG TUBE PLUGGING  INSTALL NEW PLUGS AS NECESSARY. REPLACE LAST 1/2 OF THE EXISTING I600 PLUGS-379. REF. TS 4.19	13R	NRR	
10	126LL3	OTSG EDDY CURRENT TESTING - 13R  ECT OF SAMPLE INSPECTION GROUP. 21% PER EPRI SG INSP GUIDELINES AND TS 4.19.	13R	NRR	
11	126LL6	ISI INSPECTIONS - 13R  ASME SECT XI INSPECTIONS; AUGMENTED ISI TO COMPLY WITH 10CFR50.55A	13R	NRR	
12	128AEL	PIPE WALL THINNING MONITORING  AUGMENTED INSPECTIONS TO DETECT EROSION/ CORROSION DEGRADATION OF SINGLE AND TWO PHASE SYSTEMS. REF GL 89-08	13R	NRR	
13	128108	TF SEISMIC QUAL OF EQUIPMENT (SQUG)  SCOPE, WALKDOWNS AND EVALUATIONS FOR SQUG PROGRAM AS REQUIRED BY NRC GL 87-02 & LAI 87-9084.	87-96	NRR	
14	128097	SQUG USERS GROUP PROGRAM  SEISMIC QUALIFICATION UTILITY GROUP PARTICIPATION REF. USI-A46 ; GL 87-02	88-96	NRR	

# T M I - 1 P R O J E C T L I S T I N G

## LEGEND

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## N R C I N T E G R A T E D S C H E D U L E

### CATEGORY 'B' PROJECTS

SORT BY CATEGORY/CYCLE/BA

STATUS AS OF 11/04/1996

OBS	BA NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
15	412679	** REPLICA PLANT PROCESS COMPUTER REPLACEME  INSTALL A NEW RPPC TO INTERFACE WITH THE SIMULATOR AND PERFORM SIMILAR FUNCTIONS AS THE PPC (RG 1.149)	96-00	NRR
16	419292	** SIMULATOR MODIFICATIONS  UPGRADE SIMULATOR CONSISTENT WITH CNTRL ROOM MODS REF. 10 CFR 55.45	96-01	NRR
17	417109	* THERMO-LAG BARRIER MODIFICATIONS CB R281 R308 R346 INSTALL MODS AS REQ'D TO BRING INSTALLED THERMO LAG 330-1 FIRE BARRIER SYSTEMS INTO COMPLIANCE W/10CFR50 APPENDIX R	96-99	NRR

# T M I - 1 P R O J E C T L I S T I N G

## LEGEND

- \* NEW PROJECTS  
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## N R C I N T E G R A T E D S C H E D U L E

### CATEGORY 'C' PROJECTS

SORT BY CATEGORY/CYCLE/BA			STATUS AS OF 11/04/1996	
OBS	BA NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
18	412664	ROOF REPLACEMENTS YARD TB VARIOUS ROOF REPLACEMENTS	11	MRC
19	412690	* CABLE DRIVE SYSTEM FOR FUEL TRANSFER  INSTALL ONE FUEL TRANSFER CARRIAGE CABLE DRIVE SYSTEM.	11	MRC
20	418821	** PLANT PRESERVATION BOP - 1996  SCAFFOLDING, SURFACE PREPS, PAINT/COAT OF APPROX 30,000 SQ FT IN TB PREVIOUSLY NOT PAINTED/COATED	11	MRC
21	418822	CONTROL TOWER RENOVATIONS - 4TH FLOOR  UPGRADE FACIL FOR I&C MAINT & OPS INSIDE UNIT 1 CONTROL TOWER. EL 355' TO BE RENO- VATED & CONSTRUCT INTERMED FLR (365')	11	FAC
22	412664	ROOF REPLACEMENTS YARD TB VARIOUS ROOF REPLACEMENTS	12	MRC
23	412690	* CABLE DRIVE SYSTEM FOR FUEL TRANSFER  INSTALL ONE FUEL TRANSFER CARRIAGE CABLE DRIVE SYSTEM	12	MRC
24	123LLL	OTHER OUTAGE RELATED ACTIVITIES ALL OUTAGE RELATED ACTIVITIES SUCH AS INSPECTIONS, REPAIRS, SURVEILLANCES MINOR MODIFICATIONS, MOD SUPPORT, ETC.	12R	ALL



# TMI - 1 PROJECT LISTING

## LEGEND

- \* NEW PROJECTS  
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## NRC INTEGRATED SCHEDULE

### CATEGORY 'C' PROJECTS

SORT BY CATEGORY/CYCLE/BA				STATUS AS OF 11/04/1996	
OBS	BA NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION	
25	123346	** REACTOR REFUELING  LOAD FUEL ASSEMBLIES FOR 650 EFPD	12R	MRC	
26	123349	** RX BUILDING PRESERVATION RB AB PAINT/COAT AREAS IN RB INCLUDE: IC&NS PIPE; STEEL, WALLS, HANDRAILS; FLOORS; RB LINER. RU/RD=1200-1500FT IN AUXBLDG	12R	MRC	
27	412691	* MAIN GENERATOR STATOR REWIND TB PERFORM A COMPLETE REWIND OF THE MAIN GENERATOR. THIS WILL INCLUDE REPLACE- MENT OF 144 STATOR BARS.	12R	REL	
28	418813	INCORE DETECTOR REPLACE  REPLACE 49/52 INCORE DETECTORS THAT ARE PROJECTED TO REACH THE END OF LIFE. 3 WILL LAST AS LONG AS THE NEW ONES.	12R	MRC	
29	418829	** RC-P SEAL INSPECTION (2 CARTRIDGE KITS)  INSPECT/REPLACE SEALS (CARTRIDGE AND #1 SEALS) AS NECESSARY. RCP 1A AND 1D.	12R	MRC	
30	123MMM	OTHER OUTAGE RELATED ACTIVITIES ALL OUTAGE RELATED ACTIVITIES SUCH AS INSPECTIONS, REPAIRS, SURVEILLANCES MINOR MODIFICATIONS, MOD SUPPORT, ETC.	13R	ALL	
31	123335	REPLACE MAIN STEAM LINE INSULATION  REPLACE DEGRADING INSULATION ON MAIN STEAM LINE	13R	MRC	



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### CATEGORY 'C' PROJECTS

SORT BY CATEGORY/CYCLE/BA				STATUS AS OF 11/04/1996
OBS	BA NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
32	123346	** REACTOR REFUELING  LOAD FUEL ASSEMBLIES FOR 650 EFPD	13R	MRC
33	128114	EPRI STEAM GENERATOR RELIABILITY PROGRAM  CO-FUNDING FOR EPRI SGRP TASK 404.	88-98	MRC
34	126223	TMI APPENDIX VIII QUALIFICATION  SUBSCRIPTION FEE FOR PROGRAMS DEVEL BY EPRI & OTHERS FOR CONTRACTOR QUAL & CERT OF UT NDE INSPECTORS PER APP VIII	91-99	NRR
35	128163	DRAWING ENHANCEMENTS  REPLACE CABLE MANAGEMNT PROCESS FOR ELEC CABLES WITH ELECTRONICS. REDRAW MANUAL FLOW DIAGRAMS IN CAD FORMAT.	92-96	MRC
36	412592	TMI CONFIGURATION MANAGEMENT - DBD 92-96  DESIGN BASIS RECONSTITUTION	92-96	ERR
37	419260	SIMULATOR COMPUTER UPGRADE  UPGRADE THE TMI SIMULATOR COMPLEX TO EN- ABLE INTEGRATION OF FUTURE PLANT MODS TO COMPLY WITH SIMULATOR CERT REQUIREMENTS.	93-96	MRC
38	126109	BWOG GLRA PROGRAM  PARTICIPATE IN AND PROVIDE SUPPORT FOR THE BWOG GENERIC LICENSE RENEWAL APPLICATION (GLRA) PROGRAM	93-97	MRC

# T M I - 1 P R O J E C T L I S T I N G

## LEGEND

- \* NEW PROJECTS
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## N R C I N T E G R A T E D S C H E D U L E

### CATEGORY 'C' PROJECTS

SORT BY CATEGORY/CYCLE/BA				STATUS AS OF 11/04/1996	
OBS	BA NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION	
39	128175	ASSMNT & UPGRD OF UNDRG/ND TANKS/PIPING  1-ASSESS APPLIC TANK/PIPE SYS. 2-INITIATE TEST & MONITORING. 3-UPGRADE AS REQD. (REF 40 CFR 112)	93-97	ERR	
40	128177	THERMO-LAG FIRE BARRIER EVALUATIONS  SUPPORT EVALUATIONS OF THERMO-LAG 330-1 FIRE BARRIER SYSTEMS TO ACHIEVE COMPLI- ANCE W/ 10CFR50 APP R AT TMI-1	93-97	NRR	
41	412619	CPU/IPU UPGRADE FOR PLANT PROCESS COMPUT CR OSF UPGRADE PLANT PROCESS COMPUTERS CPU AND IPU BOARDS (18) WITH A SINGLE BOARD.	93-99	IOE	
42	128183	B&W OWNER'S GROUP  PARTICIPATION IN B&W OWNERS GROUP PROGRAM	94-96	GWC	
43	126101	PLANT LIFE ASSURANCE/EXTENSION  SUPPORT OF STUDIES BY GPUN & BWO FOR FEASIBILITY OF EXTENDING OPERATING LIFE.	94-99	REL	
44	412675	** TMI-1 POWER UPDATING EVALUATION/LICENSIN  PERFORM ANALYSIS AND IDENTIFY MODS NECESSARY TO RELICENSE AND OPERATE THE TMI REACTOR AT 2772 MWT.	95-99	REL	
45	128228	* B&W OWNERS GROUP 1996 (PARTIAL), 1997, 1  PARTICIPATION IN THE B&W OWNERS GROUP PROGRAM	96-00	REL	

# TMI - 1 PROJECT LISTING

## LEGEND

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## NRC INTEGRATED SCHEDULE

### CATEGORY 'C' PROJECTS

SORT BY CATEGORY/CYCLE/BA			STATUS AS OF 11/04/1996	
OBS	BA NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
46	128215	** TMI 12R REACTOR CAVITY DOSIMETRY ANALYSI  REPLACE THE CAVITY DOSIMETRY DURING 12R. TRANSPORT, ANALYZE AND REPORT RESULTS.	96-98	NRR
47	126L13	MAINTENANCE TRAINING ANALYSIS  DEVELOP ANALYSIS FOR INPO ACCREDITED PROGRAMS.	98	NRR

## ABC Classifications

- a) Meet NRC Requirements (NRR) - Activities that a) must be carried out to fulfill specific NRC requirements or b) have been committed to the NRC by the Company or c) are such that if not accomplished would result in an NRC non-compliance even though the specific activity is not required by the NRC.
- b) Meet Environmental Requirements (ERR) - Activities that a) are specifically required by environmental regulatory agencies (State and Federal) or b) have been committed to environmental agencies by the Company or c) are such that if not accomplished would result in a regulatory non-compliance even though the specific activity is not required by an environmental regulatory agency.
- c) Meet Other Requirements (ORR) - Activities not covered by the NRC or environmental requirements but that are required by local, state, or federal ordinances, codes, court order or lawsuit settlement, or other guidance to which the Company is committed or if not accomplished would result in a violation of that ordinance, code or guidance, court order, etc.
- d) Increase Safety Margins (ISM) - Activities that, if implemented, will improve nuclear plant or personnel safety but are neither required for regulatory compliance nor required by safety regulations, codes or guidance.
- e) Decrease Environmental Effects (E) - Activities that, if implemented, will result in an improved environmental quality but are neither required for regulatory compliance nor required by environmental regulations, codes or guidance.
- f) Improve Radiological Conditions (RAD) - Activities that, if implemented, will result in improved radiological conditions, lower man-rem exposure rates, or radwaste control/reduction but are neither required for regulatory compliance nor required by radiological regulations, codes or guidance.
- g) Maintain Reliability/Capability (MRC) - Activities that, if implemented, will maintain power production at existing levels by preventing deterioration of plant systems or equipment. Includes activities in response to national codes and standards, insurance policies, equipment vendor specifications or nuclear industry high unavailability equipment data without which the plant could not operate prudently.
- h) Improve Reliability/Capability (REL) - Activities that, if implemented, will increase power generation by improving availability or capacity factor to maximize energy output.

ABC Classifications  
(continued)

- i) Improve Operational Effectiveness (IOE) - Activities that, if implemented, will improve staff efficiency or provide a direct economic payback in terms of reduced operating/maintenance costs.
- j) Improve Personnel Facilities (FAC) - Activities that, if implemented, will improve working conditions and the usefulness of personnel facilities.
- k) Provide Contingency/Blanket (CUI) - Activities that, if implemented, will provide management flexibility to respond in a timely manner to emergent work requirements or the ongoing requirements to procure, replace or repair minor items essential to support routine operations.
- l) Improves Heat Rate Performance (HRP) - Activities, that, if implemented, will increase power production by enhancing the heat rate efficiency.
- m) General Working Conditions (GWC) - Activities, tools, and equipment that if implemented will improve working conditions, but will not demonstrate a direct economic payback.

ATTACHMENT B  
CHANGES TO TMI-1 NUCLEAR GENERATING STATION  
INTEGRATED SCHEDULE  
ANNUAL UPDATE (NOVEMBER 1996)

CATEGORY A PROJECTS

Additions:	None
Completions:	412662 - TMI Security (LVI/DBX) Enhancements
Deletions:	None
Schedule Changes:	None

ATTACHMENT B (continued)

CATEGORY B PROJECTS

Additions:	As noted by * next to the project title in Attachment A.	
Completions:	128152	MOV Program - This specific O&M project to develop an MOV Program has been completed. Additional work required is being funded functionally.
	419280	Simulator Mods - 1995.
	412552	Modifications for Seismic Qualification (SQUG) - Cycle 11 complete.
Deletions:	None	
Schedule Changes:	None	
B/A Number Changes:	As noted by ** next to project title.	



ATTACHMENT B (continued)

CATEGORY C PROJECTS

Additions:	As denoted by * next to the project title.	
Completions:	412612	Permanent Demin System/Misc. Waste Evap.
	419754	Security Equipment - TMI.
Deletions:	419727	Provide Storage Capability - Cancelled.
	419742	TMI Paving - Cancelled. Deferred to future.
	123A3R	CRDM Flange Gaskets/Therm Barriers - Changes to a Category B Project (123348).
	128213	Configuration Management SSFI - Cancelled; was 128ADV.
	4197SO	Security Equipment - TMI. Cancelled and replaced by smaller annual BAs.
	412648	Radwaste Storage Capability Phase 2 - Cancelled.
	412624	Core Monitoring System Upgrade - Cancelled.
	417109	Thermo Lag Barrier Modifications - Changes to a Category B project.