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An Exelon/British Energy Company

December 13, 2001
5928-01-20342

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

Dear Sir or Madam:

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, AmerGen Energy Company, LLC (AmerGen) 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 AmerGen Letter No. 5928-00-20364, dated December 21, 2000. 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.

A 001

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 Attachment B listing also contains Category C project completions. Please note that changes to the Category C scope or schedule do not impact the Category A and B schedules.

Pursuant to the LRPP for TMI-1, AmerGen 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. If additional information is needed, please contact Adam Miller, of TMI-1 Regulatory Assurance at (717) 948-8128.

Sincerely,



G. H. Gellrich
Plant Manager

GHG/awm
Attachments
File No. 01083

cc: Administrator Region I
TMI Senior Resident Inspector
TMI-1 Project Manager
Chairman, Board of Supervisors, Londonderry Township, Dauphin County,
Pennsylvania
Board of County Commissioners, Dauphin County, Pennsylvania
Pennsylvania Department of Environmental Resources, Bureau of Radiation
Protection

ATTACHMENT A

TMI-1 PROJECT LISTING
INTEGRATED SCHEDULE
ANNUAL UPDATE

(December, 2001)

TMI-1 PROJECT LISTING

NRC INTEGRATED SCHEDULE

CATEGORY "A" PROJECTS

STATUS AS OF 12/4/01

OBS	B/A NUMBER	DESCRIPTION	CYCLE/YEARS	CLASSIFICATION
*1	Technical Specification 3.8.11	When handling irradiated fuel in the Reactor Building, a shiftly check and a daily verification (once per 24 hours) shall be performed to confirm that the Fuel Transfer Canal water level is >23 feet above the reactor vessel flange.	On-Going commitment (License Amendment #236, dated 10/2/01)	NRR
*2	Technical Specification 2.1	A minimum Reactor Coolant System (RCS) flow rate of 105.5% of design flow (105.5% of 352,000 gpm) is specified to offset potential mixed core DNBR penalty for TMI Unit-1 Cycle 14 and any subsequent cycle. This commitment expires when a mixed core penalty is no longer required or NRC-approved statistical core design methods are utilized which provide an alternative means of addressing transition core effects.	On-Going commitment (License Amendment #238, dated 10/23/01)	NRR

Legend:

- *New Projects
- ** B/A Number Change

TMI-1 PROJECT LISTING

NRC INTEGRATED SCHEDULE

CATEGORY "B" PROJECTS

Status as of 12/4/01

OBS	B/A NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
3	123321	REACTOR BUILDING TENDON SURVEILLANCE PROGRAM YARD PROVIDE CONTRACTOR AND PLANT SUPPORT FOR SURVEILLANCE PROGRAM. REF NUREG 135.1; TS 4.4.2.1	15	NRR
**4	E20026	OTSG EDDY CURRENT TESTING DRNGA DRNGB OSF ECT 100% OF TUBES WITH BOBBIN COIL WITH ADDITIONAL MRPC INSPECTIONS. SCOPE ALSO INCLUDES TUBE REPAIRS	15R	NRR
*5	N/A	BASELINE OUTAGE RB, TB, AUX PERFORM OUTAGE ACTIVITIES INCLUDING PM, CM, REFUELING, TURBINE INSPECTION & OVERHAUL, ISI AND FAC ACTIVITIES AND OUTAGE PREPARATION AND SUPPORT	15R	NRR
**6	E20026	OTSG EDDY CURRENT TESTING DRNGA DRNGB OSF ECT 100% OF TUBES WITH BOBBIN COIL WITH ADDITIONAL MRPC INSPECTIONS. SCOPE ALSO INCLUDES TUBE REPAIRS	16R	NRR
*7	N/A	BASELINE OUTAGE RB, TB, AUX PERFORM OUTAGE ACTIVITIES INCLUDING PM, CM, REFUELING, TURBINE INSPECTION & OVERHAUL, ISI AND FAC ACTIVITIES AND OUTAGE PREPARATION AND SUPPORT.	16R	NRR
8	123321	REACTOR BUILDING TENDON SURVEILLANCE YARD PROVIDE CONTRACTOR AND PLANT SUPPORT FOR SURVEILLANCE PROGRAM. REF NUREG 135.1; TS 4.4.2.1	16R	NRR
**9	E20026	OTSG EDDY CURRENT TESTING DRNGA DRNGB OSF ECT 100% OF TUBES WITH BOBBIN COIL WITH ADDITIONAL MRPC INSPECTIONS. SCOPE ALSO INCLUDES TUBE REPAIRS	17R	NRR

Legend:

- *New Projects
- ** B/A Number Change

TMI-1 PROJECT LISTING

NRC INTEGRATED SCHEDULE

CATEGORY "B" PROJECTS

Status as of 12/4/01

OBS	B/A NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
*10	N/A	BASELINE OUTAGE RB, TB, AUX PERFORM OUTAGE ACTIVITIES INCLUDING PM, CM, REFUELING, TURBINE INSPECTION & OVERHAUL, ISI AND FAC ACTIVITIES AND OUTAGE PREPARATION AND SUPPORT.	17R	NRR
*11	T20111	TMI PRA UPDATE PERFORM PERIODIC UPDATE OF TMI PRA.	2002	NRR
*12	T20112	DEVELOP FIRE PRA DEVELOP FIRE PRA FOR TMI.	2002- 2003	NRR

Legend:

- *New Projects
- ** B/A Number Change

TMI-1 PROJECT LISTING

NRC INTEGRATED SCHEDULE

CATEGORY "C" PROJECTS

Status as of 12/4/01

OBS	B/A NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
**13	C12677	COMPLETE RERACKING SPENT FUEL POOL A FHB FABRICATE, DELIVER, INSTALL 6 RACKS & LICENSE SUBMITTAL, REFURB EQUIP & ENHANCE LIFT CAPABILITIES @ NORTH END	14	NRR
*14	T10128	BREAKER OVERHAULS AUX ESTABLISH A SHOP AREA AND INSTALL NECESSARY EQUIPMENT TO OVERHAUL AND REFURBISH BREAKERS.	14	MRC
*15	T10104	SIMULATOR SOFTWARE UPGRADES SIM UPGRADE THE TMI SIMULATOR SOFTWARE TO LATEST VERSION OF <i>OPEN SIM</i> AND <i>OPEN SIM IS</i> AT THE SAME TIME UPGRADEING THERMAL HYDRAULICS SOFTWARE TO <i>THOR</i>	14	MRC
*16	T10154	PURCHASE AND INSTALL AUX BOILERS TB, YD PURCHASE AND INSTALL NEW AUX BOILERS TO UPGRADE MATERIAL CONDITION OF AUX BOILERS AND TO IMPROVE RELIABILITY.	15R	MRC
**17	C10039	REFURBISH NATURAL DRAFT COOLING TOWERS NDCT PERFORM MOJOR REPLACEMENT OF MATERIAL ON THE NDCTS TO MITIGATE DEGRADATION & MAINTAIN MATERIAL CONDITION	15R	MRC
*18	T10131	PURCHASE NEW REACTOR HEAD RB PURCHASE AND INSTALL NEW REACTOR VESSEL HEAD.	15R	MRC
*19	T10132	MOISTURE SEPERATOR INTERNALS TB REPLACE MOISTURE SEPERATOR INTERNALS TO INCREASE EFFICIENCY, AND INCREASE UNIT POWER OUTPUT.	15R	IOE

Legend:

- *New Projects
- ** B/A Number Change

TMI-1 PROJECT LISTING

NRC INTEGRATED SCHEDULE

CATEGORY "C" PROJECTS

Status as of 12/4/01

OBS	B/A NUMBER	DESCRIPTION	CYCLE/ YEARS	CLASSIFICATION
*20	T20112	BREAKER OVERHAULS ESTABLISH AND IMPLEMENT BREAKER OVERHAUL PROGRAM AT TMI	2002- 2005	MRC
**21	C10039	REFURBISH NATURAL DRAFT COOLING TOWERS NDCT PERFORM MAJOR REPLACEMENT OF MATERIAL ON THE NDCTS TO MITIGATE DEGRADATION & MAINTAIN MATERIAL CONDITION	16R	MRC

Legend:

- *New Projects
- ** B/A Number Change

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 law suit 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 or 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.
- 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.

ABC Classifications
(continued)

- 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

TMI-1 PROJECT LISTING
INTEGRATED SCHEDULE
ANNUAL UPDATE

(December, 2001)

ATTACHMENT B

**CHANGES TO TMI-1 NUCLEAR GENERATING STATION
INTEGRATED SCHEDULE
ANNUAL UPDATE (December, 2001)**

Category 'A' Projects

Additions: Technical Specification 3.8.11
 Technical Specification 2.1

Completions: None

Deletions: None

ATTACHMENT B (Continued)

Category 'B' Projects

Additions: Baseline Outage - Encompasses all repetitive and preparatory outage work in future outages.

T20111 TMI PRA Update - Update TMI PRA

T20112 Develop Fire PRA - Develop Fire PRA for TMI-1

Completions: 120027 Pipe Wall Thinning Monitoring - Completed in T1R14 Outage

120046 ISI Inspections - Completed in T1R14 Outage

120054 Reactor Vessel ISI - Completed in T1R14 Outage

Replica Plant Process Computer Replacement - Scope completed in T1R14 Outage

410042 Simulator Mods - Scope completed in 2001, any future work will be part of modification requiring change.

Deletions: 120027 Pipe Wall Thinning Monitoring - Scope part of Baseline Outage for T1R15 Outage

120046 ISI Inspections - Scope part of Baseline Outage for T1R15 Outage

120027 Pipe Wall Thinning Monitoring - Scope part of Baseline Outage for T1R16 Outage

120046 ISI Inspections - Scope part of Baseline Outage for T1R16 Outage

ATTACHMENT B (Continued)

Category 'C' Projects

Additions:

- T10128 Breaker Overhauls - Establish facility and tooling for overhaul program
- T10104 Simulator Software Upgrades - upgrade to Open Sim and Thor software programs
- T10154 Purchase and Install New Aux. Boilers - replace aging Aux Boilers
- T10131 Purchase New Reactor Head - purchase and install new head in T1R15 outage
- T10132 Moisture Separator Internals - replace internals for efficiency in T1R15
- T20112 Breaker Overhauls - Establish overhaul program at TMI

Completions:

- 410034 Roof Replacement - Scope completed in 2000
- 123MMM Outage Related Activities - completed in T1R14 Outage
- 120056 RB Preservation - scope completed in T1R14 Outage future work in Baseline Outage
- 123346 Reactor Refueling - scope completed in T1R14 Outage
- 410039 Refurbish NDCTs - scope completed in T1R14 Outage
- 115900 EPRI Steam Generator Reliability Project - complete in 2000
- 412619 Plant Process Computer Upgrade - complete in T1R14 Outage
- 120043 AOV Program - scope completed in 2000

Deletions/Changes: 120056 RB Preservation - scope included in Baseline
Outage for T1R15

123346 Reactor Refueling - scope included in
Baseline Outage for T1R15

120056 RB Preservation - scope included in Baseline
Outage for T1R16

123346 Reactor Refueling - scope included in
Baseline Outage for T1R16

115900 B&W Owner's Group - included as part of
Level of effort budget and work for TMI