



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

November 19, 1999

LICENSEE: GPU Nuclear, Inc.

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

SUBJECT: SUMMARY OF OCTOBER 27, 1999, MEETING WITH GPU NUCLEAR, INC.
REGARDING LICENSING ISSUES AT TMI-1

On October 27, 1999, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and GPU Nuclear, Inc. (GPUN or the licensee), at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, MD. The purpose of the meeting was to discuss the status and completion schedule of active, and soon to be submitted, TMI-1 licensing issues. Also briefly discussed was a proposed licensing workshop to be held during the first half of year 2000. Attachment 1 is a list of attendees. Attachment 2 is a copy of the licensee's handout used at the meeting.

Major changes since the previous meeting on August 13, 1999:

Completed NRC Staff Action:

The staff closed TAC No. MA6284 which was opened following receipt of the licensee's August 16, 1999, letter, requesting NRC staff approval of the licensee's analytical approach to resolving problems with the TMI-1 pressurizer support bolts. The licensee subsequently issued Licensee Event Report (LER) 99-006-01 documenting that it had completed modifications during the 13R refueling outage to address the issue. On this basis the staff considers the item complete.

The staff issued License Amendment No. 214 on August 19, 1999, approving revised core safety limits to allow up to an average of 20 percent of the steam generator tubes to be plugged. This completed the staff's review under TAC No. MA4301. This was an item upon which the approval was a contingency of the sale and license transfer of TMI-1 to AmerGen.

The staff issued License Amendment No. 215 on August 24, 1999, and an errata to the Safety Evaluation on October 14, 1999, to allow a one-cycle approval for increased technical specification leakage of engineered safeguards feature systems outside containment. This completed the staff's review under TAC Nos. MA0246 and MA4665 for Three Mile Island Unit 1.

The staff issued License Amendment No. 216 to add technical specification requirements for the TMI-1 remote shutdown system on September 22, 1999. This completed our review under TAC No. MA3950.

Other changes:

The licensee identified several technical specification change requests which it has not yet submitted and reviewed its submittal schedules and the date the submittal reviews would need to be completed. The licensee identified several changes to the dates provided in their handout. Specifically, the requested approval date for the Inservice Inspection (ISI) relief

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request to be submitted by November 30, 1999, was changed from June 2000 to September 2000, as was the approval date for containment ISI inspection reliefs expected to be submitted by November 15, 1999. The submittal date for License Change Request 290 was also modified from March 1, 1999, to September 1, 2000.



Timothy G. Colburn, Sr. Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-289

Attachments: 1. List of attendees
2. GPUN Handout - GPUN/NRC licensing activities list

cc w/atts: See next page

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Original signed by:

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OFFICE	PDI-1/PM <i>TGC</i>	PDI-1/LA <i>MOB</i>	PDI-1/SC <i>SA</i>		
NAME	TColburn/rs1	MO'Brien	SPeterson		
DATE	11/16/99	11/16/99	11/18/99		

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NAME	TColburn/rs1	MO'Brien	SPeterson		
DATE	11/16/99	11/18/99	11/18/99		

Three Mile Island Nuclear Station, Unit No. 1

cc:

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OCTOBER 27, 1999

MEETING WITH GPU NUCLEAR, INC.

LICENSING ISSUES STATUS

ATTENDEES

<u>Name</u>	<u>Affiliation</u>
T. Colburn	NRC/NRR/DLPM/PDI, Section 1
S. Peterson	NRC/NRR/DLPM/PDI, Section 1
D. Distel	GPU Nuclear, Inc./Licensing (corporate)
R. Knight	TMI/GPU Nuclear, Inc./Licensing (site)
E. Fuhrer	TMI/GPU Nuclear, Inc./Licensing (site)

GPU NUCLEAR INC.

LICENSING ACTION ISSUES STATUS

OCTOBER 27, 1999

HANDOUT MATERIAL USED AT THE MEETING

TMI-1 LICENSING ACTIVITIES - OPEN ITEMS LIST

CATEGORY	DESCRIPTION	ENG	GPU/N TRACKING	ACTION HISTORY / STATUS	TAC NO.	PRI
Generic Multi-Plant GI, 92-08	Thermo-Lag 330-1 Fire Barriers	DJD	94-9181 94-032	<p>GPU/N responded to GI, on 4/12/93 (C311-93-2015). NRC requested additional information in a letter dated 12/21/93 (C311-93-3292) GPU/N responded to 12/21/93 RAI on 2/10/94 (C311-94-2012). NRC letter dated 9/19/94 (C311-94-3237) acknowledged the 2/10/94 RAI response and requested response to sections of RAI response deferred or were incomplete. GPU/N responded to 50.54(f) request on 12/05/94. NRC letter dated 12/29/94 requested additional information within 90 in a follow-up to the previous RAI. GPU/N responded to NRC follow-up to the RAI on 3/29/95 (C311-95-2119). Response to certain sections that require NEI and NRC agreement. NRC/Sandia review of GPU/N 3/29/95 letter resulted in RAI requesting a prompt response. NRC RAI dated 5/25/95 (C311-95-3261) requested information in 45 days regarding 3/29/95 GPU/N response to the previous RAI. GPU/N response to the 5/26/95 response to the follow-up to the RAI was submitted 7/7/95 (C311-95-2265) NRC denied the exemption request by letter (6710-96-3018) dated 1/5/96. NRC denied the 1994 2.206 petitions to shutdown all thermolag plants and filed DD-96-03. GPU/N/NRC meeting was held on 4/16/96 (see Meeting writeup 6710-96-3186, dated 5/13/96) to clarify exemption denial issues. GPU/N responded to ampacity RAI on 10/12/96 (6710-96-2336). 3-hr barrier exemption requests submitted on 8/16/96 (6710-96-2229) requested NRC review by 10/31/96. GPU/N submitted TR-094, Rev 1 on 8/28/96 (6710-96-2301) which was to be Enclosure B but omitted from the 8/16/96 letter. GPU/N submitted Thermo-lag evaluation/exemptions for 1-hr barrier on 12/31/96. GPU/N responded to NRC 11/20/96 RAI (6710-96-3408) on 3-hr barrier evaluations and exemption request on 1/3/97 (6710-96-2412). NRC issued SER on 3-hr barriers on 07/11/97 for all areas except FH-FZ-05. GPU/N responded to 5/8/97 RAI (6710-97-3207) on ampacity in a letter dated 07/31/97 (6710-97-2343) which submitted the calculation on derating cable ampacity due to raceway fire barriers. NRC issued RAI's on 1-hour exemption request on 07/30/97 (6710-97-3347) and 08/19/97 (6710-97-3378). GPU/N letter on 08/19/97 (6710-97-2329) committed to upgrade Thermo-lag in FH-FZ-5 to a 3-hr rating by 06/30/98. GPU/N responded to NRC 1-hour RAI of 07/30/97 on 09/08/97 (6710-97-2373). Response to 1-hour RAI of 08/19/97 (6710-97-3378) was submitted on 12/30/97 (6710-97-2489) GPU/N provided consent to confirmatory order modifying the license by letter dated 05/05/98 (1920-98-20232). NRC issued consent to confirmatory order modifying license on 4/27/98 (1920-98-30237). GPU/N letter dated 05/21/98 (1920-98-20225) provided additional commitment to relocate gas line in CB-FA-1. NRC issued confirmatory order on 05/22/98 (1020-98-30295) modifying license to complete implementation of Thermo-lag resolution. GPU/N provided the final results of revised calculations addressing T-1 fire barrier seismic capability in a letter dated 09/28/98 (1920-98-20426). Conference call with NRC on 9/29/98 discussed NRC a concern with gas line in CB-FA-1. GPU/N submitted a response to NRC request regarding CB-FA-1 in a letter dated 10/14/98 (1920-98-20582). GPU/N submitted commitment to inspect all barriers in a letter dated 11/25/98 (1920-98-20688). NRC performed walkdown of 1-Hour exemption fire zones on 12/08/98. GPU/N submittal dated 12/23/98 (1920-98-20718) addressed 1-Hour fire zones FB-FZ-6 and CB-FA-1 based on the 12/08/98 walkdown NRC issued SF on Thermo-Lag related ampacity derating issues on 1/22/99 (1920-99-30039) and closed TAC No. MA3340. NRC issued SER for 1-Hour barrier exemptions on 04/20/99 NRC letter dated 05-13-99 (1920-99-30277) requested a description of the proposed corrective actions for zones AB-FZ-3, AB-FZ-7, and FH-FZ-2 and confirmation that the proposed corrective actions will be completed by 12/31/99. GPU/N letter dated 06/02/99 (1920-99-20279) committed to complete 1-Hour upgrades in three zones by 06/30/2000. NRC issued a request for consent to modify existing confirmatory order on 06/21/99 (1920-99-30348). GPU/N responded with consent in a letter dated 07/01/99 (1920-99-20350). NRC issued a second confirmatory order modifying the license in a letter dated 08/11/99 (1920-99-30464) in response to commitments in GPU/N letters dated 06/02/99 and 07/01/99 to complete final implementation of corrective actions by 06/30/2000.</p> <p>STATUS: NRC to issue an additional letter to summarize the submittals, identify the notification requirements if plans change, and request notification of completion of the modifications.</p>	MR5615 M92617 M96473 MA3340	B1

TMI-1 LICENSING ACTIVITIES - OPEN ITEMS LIST

CATEGORY	DESCRIPTION	ENG	GPUN TRACKING	ACTION HISTORY / STATUS	TAC NO.	PRI
Generic Multi-Plant GL 97-01	Degradation Of CRDM Nozzles & Other RV Head Penetrations	MRK	97056	<p>NRC issued GL 97-01 on 04/01/97 (6710-97-3155) which requested within 30 days a commitment to provide a response in 120 days. GPUN submitted a 30 day response on 04/30/97 (6710-97-2175) committing to the 120 day response by 07/29/97. GPUN submitted the 120 day response letter on 07/29/97 (6710-97-2295).</p> <p>NRC issued RAI dated 08/28/98 (1920-98-30502) requesting a response in 120 days. GPUN to respond to RAI by 11-26/98. GPUN submitted a letter dated 11/12/98 (1920-98-20655) acknowledging NRC's agreement in a meeting with NEI to a 1/15/99 due date for the RAI response, based on NEI scheduled date of 12/11/98 for submittal of the generic response letter. NEI letter dated 12/11/98 submitted the generic response, including responses to TMI-1 questions 1-5. GPUN submitted response to the 08/28/98 RAI in a letter dated 01/14/99 (1920-98-20737) which referenced the NEI generic response to questions 1-5 with the GPUN response to question No. 6 attached.</p> <p>NRC issued approval letter for NEI generic program for VHP nozzles. The letter to NEI (Strosneider to Modeen), dated 03/21/99 (1920-99-30216) stated that closure of NRC reviews of the plant-specific responses will be completed in the near term, and that a NUREG will follow which summarizes the staff's and industry's efforts in addressing this issue.</p> <p>STATUS: NRC to respond by 09/30/99.</p>	M98605	C
Generic Multi-Plant GL 98-02	Loss Of Inventory & Emergency Mitigation Functions While S/D	MRK	98099	<p>NRC issued GL 98-02, "Loss Of Reactor Coolant Inventory & Associated Potential For Loss Of Emergency Mitigation Functions While In A Shutdown Condition," which requires a documented internal review and could require submittal by 11/24/98 only if the assessment concludes that ECCS includes design features, such as common pump suction header, which can render the systems susceptible to common-cause failure as a result of events similar to 9/94 Wolf Creek event.</p> <p>GPUN assessment concluded TMI does have a common pump suction header, but is not susceptible to voiding because the RCS recirculated fluid does not enter the S/D cooling system between the BWST outlet and the pump suction. See GPUN System Engineering memo E270-98-019, dated 10/01/98 (LAR #98099.01), "Response to Generic Letter 98-02," signed off by G. A. Yockey, W. P. McSorley, and W. S. Wilkerson. Reviewers were by Larry Noll, Tom Basso, and (Steve Ku for) Dave Masiero who called in no comments on the response memo.</p> <p>NRC PPR letter (1920-99-30532) dated 09/30/99 advised GPUN of an inspection entitled "Draindown During Shutdown and Common-Mode Failure," the week of 03/20/99 through 03/24/99 by one Region I inspector to follow up on the GPUN internal response to GL 98-02. Similar inspections are planned for all PWR licensees using Inspection Procedure (IP) 2515/142.</p> <p>STATUS: NRC to review GPUN internal response by TBD</p>		C
Generic Multi-Plant GL 98-04	Potential for Degradation OF ECCS & BS after LOCA	MRK	98129	<p>NRC issued GL 98-04, "Potential For Degradation Of the Emergency Core Cooling System and the Containment Spray System After A Loss-Of-Coolant Accident Because Of Construction And Protective Coating Deficiencies And Foreign Material In Containment," on 7-14/98 (1920-98-30437) requesting a 120 day response. GPUN submitted the required response on 11/11/98 (1920-98-20605).</p> <p>STATUS: NRC to review GPUN response by 01/31/2000.</p>	MA410	C
Generic Multi-Plant GL 99-02	Laboratory Testing of Nuclear-Grade Activated Charcoal	MRK	99117	<p>NRC issued GL 99-02, "Laboratory Testing of Nuclear-Grade Activated Charcoal," on 06/03/99 (1920-99-30357) which requested responses dependent on which of four groups is applicable for the plant as defined in the GL. Since TMI-1 is in Group 2, "plants in compliance with their TS that test in accordance with a test protocol other than ASTM D3803-1989," TMI-1 is required to: 1) Submit a response to the GL describing the current TS requirements for each ESF ventilation system including the specific test protocol, temperature, RH, charcoal bed thickness, total residence time per bed depth, and penetration at which the TS require the test to be performed. 2) Submit a TSCR referencing ASTM D3803-1989 or alternate test protocol within 180 days and 3) Begin testing in accordance with ASTM D3803-1989 at the next required laboratory surveillance test of a charcoal sample that is 60 days or more after the date of the GL, or replace the charcoal with charcoal that has met the requirements of ASTM D3803-1989 laboratory testing.</p> <p>NRC issued GL 99-02 (Errata) dated 08/23/99 (1920-99-30493) because of a typo: should be "If the system has a face velocity greater than 110^o (vs. 10^o) of 0.203 m/s (40 ft/min), then the revised TS should specify the face velocity."</p> <p>STATUS: GPUN to submit a response to the GL and a TSCR by 11/30/99.</p>		C

TMI-1 LICENSING ACTIVITIES - OPEN ITEMS LIST

CATEGORY	DESCRIPTION	ENG	GPUN TRACKING	ACTION HISTORY / STATUS	TAC NO.	PRI
Generic MultiPlant GL 81-14	Seismic Qualification of Auxiliary Feedwater Systems	DJD		NRC issued two Safety Evaluation Reports (SERs) to close GL 81-14. See SERs dated 08/12/83 (5211-83-3255) and 04/27/84 (5211-84-3137). GPUN to submit a supplementary response to GL 81-14 to capture the reanalysis of L.O.F.W./seismic and SBL/OCA/seismic EFW capability by 10/99.		C
Plant Specific - HPI	HPI Pump Suction Vulnerability	MRK	97062 98100	NRC faxed question on the GPUN SE for leaving the cross connects open. The question related to whether a common mode failure potential is created by maintaining the cross connects open. GPUN responded to question faxed to GPUN on 05/14/98 in a letter dated 7/17/98 (1920-98-20384). Per Lic Act Mtg on 06/04/98, the NRC wants to resolve this issue within the next couple of months. (Reference: IFI 98-02-03; LER 98-09; AND VIO 98-06-01) NRC issued VIO 98-06-01, dated 10/15/98 GPUN responded to VIO 98-06-01 in a letter dated 11/12/98 (1920-99-20654). GPUN provided a supplement to the reply to VIO 98-06-01 dated 12/24/98 (1920-98-20716). NRC issued Reply to the NOV Response in a letter dated 03/29/99 (1920-99-30162) with the NRC's position that a license change is still needed. GPUN met with the NRC on 07/13/99 to discuss the proposed response to the NRC 03/29/99 letter. NRC issued a meeting summary for the 07/13/99 meeting on 08/04/99 (1920-99-30452). GPUN to submit License Change Request by 10/99 as described in the meeting summary. STATUS: See TSCR 287	MA1607 MA5935	C
Plant Specific - ISI	Relief - RV Weld Exam	MRK		GPUN to submit request for relief from the 1989 ASME CODE requirement imposed by 10CFR50.55a(g)(ii)(a) to examine 90% of all RV welds during 14R (9/2001). Request to demonstrate impracticality regarding two of the eight welds which are 90% accessible using the tools available at the time of submittal. (Ref: IN 96-032). NRC requested in 05/07/99 Licensing Activities Meeting that our letter discuss any potential alternatives to the examinations that are not practical, e.g., visual examinations, etc. STATUS: GPUN to submit relief request by 11/30/99 requesting approval by 06/2000		A
Plant Specific - ISI	Relief - IWE & IWL Containment Inspections	MRK		GPUN to submit request for relief from the 10CFR50.55a requirements (61 FR 41303) to perform containment inspections in accordance with the 1992 Edition with the 1992 Addenda of Section XI, subsection IWE. The NRC has approved this relief for the pilot BWOG submittal, Davis Besse (Docket No. 50-346), in an SER dated 06/30/98. NRC requested in 05/07/99 Licensing Activities Meeting that our letter reference any other similar NRC approvals that have been issued for other licensees. STATUS: GPUN to submit relief request by 11/15/99 requesting relief by 06/2000.		B2
Plant Specific OTSG	OTSG Kinetic Expansion Area Examination Criteria	MRK	97062	In a letter dated 06/17/99 (1920-99-30368), the NRC requested additional information regarding OTSG kinetic expansion area examination criteria as described in GPUN letters dated 08/08/97 (6710-97-2348) and 11/26/97 (6710-97-2441) and requested a corrected copy of the kinetic expansion area examination criteria to be used in 13R. GPUN provided a response to the NRC's RAI in a letter dated 07/30/99 (1920-99-20412). The letter stated that GPUN intends to use the kinetic expansion area examination criteria for 14R as that used in 12R for the OTSG kinetic expansion area examinations, and that GPUN will support NRC review and approval of the kinetic expansion area exam criteria although we do not believe that NRC review and approval is required. The letter also requested that NRC provide a copy of MPR-1820, Revision 1, "Three Mile Island Generating Station OTSG Kinetic Expansion Inspection Criteria" to be used in the revision of the MPR report that was used for 12R examinations. GPUN submitted MPR-1820, Revision 1 on 08/20/99 (1920-99-20448). GPUN responded to faxed questions from the NRC during a conference call on 10/12/99 in addition to providing the Tech Spec notification required prior to heating up above 250 F. The NRC said they would let us know if anything else is needed. GPUN provided a Corrected Copy of the 07/30/99 RAI response letter in a letter dated 10/22/99 (1920-99-20568) with a paragraph crossed out. The crossed out paragraph had mentioned additional conservatism that was later found did not exist; the response is complete and valid without that paragraph. STATUS: NRC to let GPUN know if anything else is needed subsequent to the conference call on 10/12/99.	M99388	C

TMI-1 LICENSING ACTIVITIES - OPEN ITEMS LIST

CATEGORY	DESCRIPTION	ENG	GPUN TRACKING	ACTION HISTORY / STATUS	TAC NO.	PRI
TMI-1 Lic Chg Request No. 249	Containment Requirements During Refueling	MRK		GPUN to submit TSCR to allow air lock doors to be open during fuel movement based on offsite dose consequences of a fuel handling accident using the new source terms (NUREG-1465). STATUS: On hold pending NRC approval of the EPRI TR-105909, "Generic Framework for Application of Revised Accident Source Term To Operating Plants." See draft "Proposed Rule Package - Proposed Amendments to 10 CFR Parts 21, 50, and 54 Regarding Use of an Alternative Source Term at Operating Reactors."		B1
TMI-1 Lic Chg Request No. 262	Misc Section 3&4 Improvements	VLK	97033	GPUN submitted TSCR-262 on 04/01/99 (1920-99-20681) requesting changes that include RSTS improvements, clarification of existing specs, and changes in sampling frequency and sampling requirements. NRC issued a partial denial of TSCR-262 in a letter dated 08/06/99 (1920-99-30461) regarding the request to permit continued HPI operation, without violating the TSS, if HPI is operating during an emergency cooldown rather than invoke 10 CFR 50.54(x). STATUS: NRC target amendment date is 12/99 (NRC acknowledged GPUN request for the amendment prior to 13R and will work getting it out earlier if time permits).	MA5185	B1
TMI-1 Lic Chg Request No. 265	Shutdown DHR Capability Requirements	AWM	98111	GPUN submitted TSCR-265 on 06/04/99 (1920-99-20390) to revise the shutdown decay heat requirements that NRC characterized in IR 97-09 as non-conservative. NRC requested that GPUN submit a supplement that provides certain background during a conference call on 10/05/99. STATUS: GPUN has requested a target amendment date of 12/03/99.		C
TMI-1 Lic Chg Request No. 272	MSLB Reanalysis & RCS Activity 1.0 µCi/g	DJD	98076	GPUN submitted TSCR-272 on 10/19/98 (1920-98-20210) to restore RCS activity level up to 1.0 µCi/g based on MSLB reanalysis. NRC issued Federal Register Notice on 11/18/98 GPUN submitted a letter on 02/16/99 (1920-99-20052) referencing the updated control room doses to address the NRC issues in an enclosure to TSCR-274. NRC issued RAI on 07/08/99 (1920-99-30395). GPUN responded to the RAI on 09/02/99 (1920-99-20447) Polestar proprietary and non-proprietary. STATUS: NRC target amendment date is TBD	MA3951	A
TMI-1 Lic Chg Request No. 275	License Clarifications	VLK	98110	GPUN submitted TSCR-275 on 05/13/99 (1920-99-20387) to include clarifications and other changes due to GPUN organizational changes. Included are changes to the Bases for Pressurizer Code Safety Valves STATUS: NRC target amendment date is 11-99	MA5455	B3
TMI-1 Lic Chg Request No. 278	TMI-1 License Transfer to AmerGen	DJD	98152	NRC issued a summary of 9/17/98 meeting on 10/05/98 (1920-98-30587). GPUN AmerGen submitted a 10CFR50.80 license transfer application on 12/03/98. NRC review and approval was requested by 04-15-99 NRC issued RAI on 12-17-98. NRC issued Federal Register Notice on 12/21/98 GPUN submitted response to RAI on 01/11/99 (1920-98-20732). Morgan Lewis & Bockius submitted supplemental information on 02/04/99 (1920-99-20072) on behalf of GPUN and AmerGen. NRC issued an Order dated 04-12-99 (1920-99-30193) approving transfer of the license for TMI-1 from GPUN to AmerGen and approving the conforming amendment. STATUS: GPUN AmerGen to submit final notification of sale closing date, receipt of all other regulatory approvals, and evidence of Part 140 insurance within 7 days of the closing date.	MA3307	A
TMI-1 Lic Chg Request No. 280	Hydrogen Recombiner Specifications (from TSCR-255)	VLK	96054 99033	Note: TSCR-280 involves the Hydrogen Recombiner issue as broken out of TSCR-255 NRC issued RAI dated 06/11/97, (6710-97-3262) which requests submittal of calculations to justify the change. STATUS: GPUN to submit TSCR by 11/05/99.	M98522	C

TMI-1 LICENSING ACTIVITIES - OPEN ITEMS LIST

CATEGORY	DESCRIPTION	ENG	GPUN TRACKING	ACTION HISTORY / STATUS	LAC NO.	PRI
TMI-1 Lic Chg Request No. 281	Aux Steam System Piping Seismic Capability Analysis	YN	97062	GPUN submitted License Change Request No. 281 on 05/26/99 (1920-99-20140) for approval of the Conservative Deterministic Failure Margin (CDFM) analysis for seismic verification of the Auxiliary Steam System piping. The proposed seismic evaluation method, CDFM, was developed by EPRI and has been used at a number of other nuclear plants. As requested by NRC, GPUN submittal referred to similar NRC approvals for other plants. STATUS: NRC to complete review by 01/31/2000.		C
TMI-1 Lic Chg Request No. 282	Plant Organization Title Changes	DJD	99077	GPUN submitted License Change Request No. 282 on 06/11/99 (1920-99-20200) to revise the Director O&M, Shift Supervisor, Radiological Controls/Safety Director, and Industrial safety and Health Manager titles identified in TMI-1 Technical Specifications. STATUS: NRC target amendment date is 11/99.		B1
TMI-1 Lic Chg Request No. 283	Degraded Grid UV Relay Calibration Frequency and Setpoint Tolerance	WGH	99096	GPUN submitted TSCR 283 on 08/20/99 (1920-99-20295) to revise the 4kv Engineered Safeguards Bus Undervoltage Relay Degraded Voltage calibration to be performed at an annual interval rather than refueling interval and a bases change to revise the degraded voltage relay "as-left" setpoint tolerance from 3760 v \pm .53% \pm 0.35% to an "as-found" setpoint tolerance. The latest analysis identifies the need for earlier operator action to prevent separation from the grid for some conditions and identifies additional safety related components that could be operated outside the normal voltage tolerance bands. The justification for operation of the components outside the normal band is described in this request. STATUS: NRC target amendment date is TBD		B2
TMI-1 Lic Chg Request No. 284	Adopt STS in place of 1-hr TS Shutdown Requirements	GMG		GPUN to submit TSCR to adopt STS in place of TS the 1-hr shutdown requirements in TMI-1 TS STATUS: On Hold		B1
TMI-1 Lic Chg Request No. 285	Changes to Clarify Authority to Possess Radioactive Materials Without Unit Distinction	AWM	99109 99110	GPUN submitted License Amendment Request (LAR) No. 285 on 06/29/99 (1920-99-20338) to clarify the authority to possess radioactive materials without unit distinction, so that after the transfer to the TMI-1 license to AmerGen, radioactive materials may continue to be moved between the TMI-1 and TMI-2 units as they currently are. The letter requested approval on an expedited basis to allow uninterrupted continuation of past practices. It was requested that this change be made effective upon the TMI-1 sale closure and transfer date. Note that a corresponding TMI-2 License Amendment Request No. 77 was also submitted on 06/29/99 (1920-99-20335). NRC issued Federal Register Notice for TMI-1 TSCR-285 on 07/12/99. NRC issued an RAI on 08/10/99 for TMI-1 LAR No. 285 (1920-99-30456) and TMI-2 LAR No. 77 (1920-99-30458). GPUN responded to RAI on 08/27/99 (1920-99-20474) for TMI-1 for TMI-1 and on 08/27/99 (1920-99-20476) for TMI-2. NRC issued Federal Register Notice for TMI-2 TSCR-77 on 09/22/99. STATUS: NRC target amendment date TBD	MA5971 MA6014	B1
TMI-1 Lic Chg Request No. 286	HPI & LPI Flow Instrument Calibration Freq. 24 mo	MRK		GPUN to submit License Change Request to revise Tech Spec Table 4.1-1 item 29, HPI & LPI Flow Instrument Calibration frequency to "E" (24 \pm 6 mos) vs. "F" (24 months). These instruments were not included in previous similar submittals requesting a 24 mo surveillance interval because the impact on system operability was not recognized at the time (this issue was discussed in I.E.R. 98-01).		B2
TMI-1 Lic Chg Request No. 287	Makeup Tank Level and Pressure Limits	MRK	97062 98100	GPUN to submit TSCR by 10/29/99 to add Makeup Tank Level and Pressure Limits as described in meeting with NRC on 07/13/99 (see NRC meeting summary (1920-99-30452) dated 08/04/99). STATUS: GPUN to submit License Change Request by 10/29/99.	MA 5935	C
TMI-1 Lic Chg Request No. 289	Charcoal Filter Testing (GI 99-02)	MRK	99117	This action is a continuation of the action in response to GI 99-02. GPUN to submit TSCR to revise the test standard to ASTM D3803-1989 by 11/30/99.		C

TMI-1 LICENSING ACTIVITIES - OPEN ITEMS LIST

CATEGORY	DESCRIPTION	ENG	GPUN TRACKING	ACTION HISTORY / STATUS	TAC NO.	PRI
TMI-1 Lic Chg Request No. 290	ESF System Leakage and CR Habitability Resubmittal	GMG		AM 215 (from TSCR-274) expires at the end of Cycle 13 due to NRC expectation of the resolution of the generic CBVS infiltration issue in the near term. Therefore the NRC is requiring that a license change request be submitted in conformance with the resolution of that issue at least 6 mo prior to the end of Cycle 13 (est. 03/01/01). STATUS: GPUN to submit TSCR by 03/01/99.		B1
TMI-1 Lic Chg Request No. 291	OTSG Tube Inspection Criteria for 14R and Beyond	MRK		GPUN to submit TSCR for permanent OTSG Tube Inspection Criteria after Cycle 13. STATUS: GPUN to submit TSCR by 06/2000.		A
TMI-1 Lic Chg Request No. XX1	Missile Shield Removal	RTZ	97049.03	GPUN submitted a letter dated 07/12/99 (1920-99-20254) requesting a meeting with the NRC to discuss reconsideration of the GPUN request for missile shield removal denied in NRC SER dated 09/16/98 (1920-98-30541). In a conference call on 08/10/99, it was concluded that a success path, if one exists, is to prepare detailed quantitative deterministic flaw tolerance evaluation analyses to support a submittal in accordance with R.G. 1.174, "An Approach for Using Probabilistic Risk Assessment In Risk-Informed Decisions On Plant-Specific Changes to the Licensing Basis." STATUS: GPUN to develop an action plan with preliminary results and schedule a meeting with the NRC to discuss the proposed approach for requesting deletion of requirements for the missile shields.		B1
TMI-1 Lic Chg Request No. XX2	P-T Limits	YN		GPUN to submit TSCR to revise P-T limits beyond 17.7 EFPY current limits which expire in 3rd quarter 2001. Note: Generic License Renewal Program reports BAW-2274P-A, "Fracture Mechanics Analysis Postulated Underclad Cracks in B&W Designed Reactor Vessels for the Period of Extended Operation," was issued in August 1999 and BAW-2251A, "Demonstration of the Management of Aging Effects for the Reactor Vessel," was issued in August 1999. STATUS: GPUN to submit TSCR by 09/01/2000.		B1
TMI-1 Lic Chg Request No. XX3	Hydrogen Monitors	MRK		GPUN to submit License Change Request to extend the time after a LOCA for establishing continuous indication of containment hydrogen concentration. STATUS: GPUN to submit License Change Request by 11/30/99.		C
TMI-1 Lic Chg Request No. XX4	UFSAR Chapter 14 Upgrades	RTZ		GPUN to submit a License Change Request for approval of the revision to UFSAR Chapter 14 accident analysis based on the Chapter 14 Upgrade effort. STATUS: GPUN to submit request (SGTR) by 12/31/99.		
TMI-1 Lic Chg Request No. XX5	OTSG Re-Roll Repair	MRK		GPUN to submit TSCR to allow Re-roll Repairs for potential use during the 14R Outage in 9/2001. STATUS: HOLD		A
TMI-1 Lic Chg Request No. XX6	Ventilation ES Bases Changes with New Source Terms	MRK		GPUN to submit TSCR to change Tech Spec and Bases for Air Treatment Systems (Control Bldg, A&FHB, AND FHB ESF) testing. NRC transmitted draft "Proposed Rule Package - Proposed Amendments to 10 CFR Parts 21, 50, and 54; Regarding Use of an Alternative Source Term at Operating Reactors." STATUS: On Hold pending resolution of NRC proposed Rule Change.		B3

GPUN/NRC LICENSING ACTIVITIES LIST - ITEMS TO CLOSE

Category	DESCRIPTION	ENG	GPUN TRACKING	ACTION HISTORY / STATUS	TAC NO.	PRI
Generic Multi-Plant GI. 97-06	Degradation Of Steam Generator Internals	MRK	98033	NRC issued GI. 97-06, "Degradation Of Steam Generator Internals," on 12/30/97 (61.20-98-30007) which requested a response within 90 days. GPUN Responded to GI. 97-06 on 03/30/98 (1920-98-20154). NRC issued a letter closing the TAC for this issue on October 1, 1999 (1920-99-30553). STATUS: CLOSED	MA0954	C
Generic Multi-Plant GI. 98-01	Year 2000 Readiness	YN	98093	NRC issued GI. 98-001, "Year 2000 Readiness of Computer Systems at Nuclear Power Plants," dated 05/11/98 (1920-98-30290), which requires a 90 day response by 08/09/98 and a final status by 07/01/99. GPUN responded to 90 day request on 08/06/98 (1920-98-20392). NRC issued GI. 98-01, Supplement 1, dated 01/14/99 (1920-99-30075) which provides an alternative for the response due 07/01/99. GPUN responded to Supplement 1 on 07/01/99 (1920-99-20275). NRC issued NUREG-1706, "Year 2000 Readiness in U.S. Nuclear Power Plants," as of 09/01/99 (1920-99-30516). NRC referenced NUREG-1706 in a letter dated 09/23/99 (1920-99-30518), acknowledged the GPUN 07/01/99 response to GI. 98-01, and requested a letter documenting when the balance TMI-1 work to resolve the Y2K issue. GPUN submitted a letter dated 10/01/99 (1920-99-20520) confirming that the software systems and DTCS had been remediated and the Y2K readiness program at TMI-1 has been completed. A conference call was held on 10/05/99 to discuss the GPUN final response. No further actions are planned. STATUS: CLOSED	MA1899	C
Plant Specific - CR Thyroid Dose	Control Room Thyroid Dose Evaluation	DJD		NRC letter dated 09/24/97 (6710-97-3439) requested analysis of control room thyroid dose. NRC SER on NUREG-0737, Item III.D.3.4 dated 08/14/86 (5211-86-3215) stated that NRC will reevaluate thyroid doses at a future date after completion of the source term study. Although new source terms are not yet completed, NRC letter dated 09/24/97 requested analysis of control room thyroid dose for compliance with GDC 19. GPUN submitted control room thyroid dose evaluation on 03/24/98 (1920-98-20145) as discussed with NRC in a meeting on 12/12/97 (see meeting summary 61.20-98-30065, dated 2/2/98). NRC meeting held on 05/27/98 to discuss evaluation methodology, assumptions, and results. (see meeting summary 1920-8-0377, dated 06/30/98). GPUN submitted additional information on meteorology, test/inspection and evaluation of rad setpoint on 06/19/98 (1920-98-20322). GPUN submitted polestar report on MHA ESF leakage partitioning on 10/06/98 (1920-98-20561) to address concern on ARCON and 2-Sigma assumption. NRC conference calls on 11/09/98 and 12/15/98, and NRC RAI dated 11/20/98 (1920-98-30700) identified ARCON modeling and Polestar partitioning non-conservative. This issue was resolved for Cycle 13 in Amendment No. 215 based on GPUN submittal of TSCR-274. STATUS: CLOSED See TSCR-290 for resolution of this issue for operating cycles following Cycle 13.	MA0246	BI
TMI-1 Lic Chg Request No. 248	Remote Shutdown Tech Specs	DJD	94056	Action transferred from Generic Multi-Plant GI. 86-10. GPUN Submitted TSCR-248, Remote Shutdown Tech Specs, on 10/19/98 (1920-98-20183). NRC issued Federal Register Notice on 11/18/98. NRC issued RAI on 07/12/99 (1920-99-30435). GPUN responded to RAI on 08/19/99 (1920-99-20438). NRC issued AM-216 on 09/22/99 (1920-99-30517). STATUS: CLOSED	MA3950	NA

GPUN/NRC LICENSING ACTIVITIES LIST - ITEMS TO CLOSE

Category	DESCRIPTION	ENG	GPUN TRACKING	ACTION HISTORY / STATUS	TAC NO.	PRI
TMI-1 Lic Chg Request No. 274	MHA ECCS Analysis	GMC	98159	<p>GPUN submitted TSCR-274 on 2/02/99 (1920-98-20522) to increase T.S. 4.5.4 from 0.6 gph to 15 gph for accident recirculation leakage based on a revised MHA analysis and new control room habitability evaluation updated since the 03/24/98 submittal to reflect a 3-sigma approach to X/Q determinations and point-source contaminant releases as opposed to dispersed source releases. Included were the changes to the Control Room Habitability Evaluation to address the NRC's 11/20/98 RAI for the GPUN CR Habitability submittal dated 03/24/98.</p> <p>GPUN met with NRC on 07/13/99 in Rockville, MD regarding proposed changes to the ATOG procedures for operation of the BSS System which requires NRC approval of TSCR-274.</p> <p>GPUN submitted a supplement to TSCR-274 on 07/29/99 (1920-99-20427) to restrict applicability of this change to one cycle only as requested by the NRC in a conference call on 07/27/99.</p> <p>NRC issued a 08/04/99 (1920-99-30452), file no. 98046, summary of the 07/13/99 meeting in Rockville, MD where TCSR-274 was discussed.</p> <p>NRC issued AM-215, dated 08/24/99 (1920-99-30487) which expires at the end of Cycle 13 due to NRC expectation of the resolution of the New Source Term issue in the near term. Therefore the NRC is requiring that a license change request be submitted in conformance with the resolution of that issue at least 6 mo prior to the end of Cycle 13 (est. 03/01/01).</p> <p>GPUN submitted an errata page on 09/01/99 (1920-99-20479) for reissuance by NRC of a corrected copy of AM-215.</p> <p>NRC issued the errata to AM-215 in a letter dated 09/23/99 (1920-99-30521).</p> <p>NRC issued an errata to the its Safety Evaluation for AM-215 on 10/14/99 (1920-99-30576).</p> <p>STATUS: CLOSED</p>	MA4665 MA0246	131
TMI-1 Lic Chg Request No. 279	OTSG Total Plugging Limits	DJD	98195	<p>GPUN submitted License Change Request and supporting analysis on 12/03/98 (1920-98-20669) requesting NRC approval to revise the total plug limits in the Updated FSAR. This issue is related to the license transfer (requested by AmerGen) and NRC support is requested to facilitate a resolution of this issue by 4/15/99.</p> <p>NRC issued Federal Register Notice on 12/30/98.</p> <p>GPUN notified NRC in accordance with 10CFR50.46 on 02/05/99 (1920-99-20053) that FTI's LBI,LOCA analyses supporting current plant operation that have nonconservative peak clad temperature predictions. The letter stated that reanalysis will determine the affect on proposed LHR and PCT's reported in TSCR-279.</p> <p>NRC requested additional information on 03/10/99 (1920-99-30137).</p> <p>GPUN submitted a response to the RAI on 03/26/99 (1920-99-20088).</p> <p>GPUN submitted a response on 04/16/99 (1920-99-20184) to requests from a 04/06/99 telephone discussion.</p> <p>NRC issued RAI on 05/06/99 (1920-99-30273) on EFW flow requirements.</p> <p>GPUN submitted a response on 05/07/99 (1920-99-20222) to a request regarding instrument error.</p> <p>GPUN submitted the FTI ECCS revised analyses for LBI,LOCA and SBI,LOCA per 10CFR50.46 on 05/12/99 (1920-99-20155).</p> <p>GPUN letter dated 05/21/99 (1920-99-20269) responded to EFW RAI.</p> <p>GPUN letter dated 06/04/99 (1920-99-20280) revised PCT and LOCA LHR limits for flow mixing vane issue.</p> <p>GPUN letter dated 06/15/99 (1920-99-20316) advised NRC of completion of EFW calculation and design verifications.</p> <p>GPUN letter dated 06/29/99 (1920-99-20342) provided results of the revised EFW calculations.</p> <p>NRC issued License Amendment No. 214 on 08/19/99 (1920-99-30468).</p> <p>GPUN provided confirmation of completion of EFW pump tests on October 20, 1999.</p> <p>GPUN letter dated 10/21/99 (1920-99-20561) provided the notification of successful completion of EFW pump testing.</p> <p>GPUN issued AM 214</p> <p>STATUS: CLOSED</p>	MA4301	A

GPUN/NRC LICENSING ACTIVITIES LIST - ITEMS TO CLOSE

Category	DESCRIPTION	ENG	GPUN TRACKING	ACTION HISTORY / STATUS	TAG NO.	PRI
TMI-1 Lic Chg Request No. 288	Use of R.G. 1.61 Damping Values for Pressurizer Supports	DJD	99097	<p>GPUN to submit a License Change Request to revise the design basis for the pressurizer supports as currently described in the TMI-1 UFSAR. Approval of the analysis will avoid a modification that would exceed \$200K and result in approximately 6-10 man-rem additional radiation exposure if installed. GPUN submitted a description of the proposed analytical approach to facilitate preliminary discussions with the NRC on 08/12/99 (1920-99-20449)</p> <p>GPUN is installing the modification and this action to pursue the analytical solution is a contingency in the event of problems installing the modification.</p> <p>Pressurizer Support Lugs were modified during the 13R Outage under Modification Document (MD-11418) completed on 10/17/99.</p> <p>STATUS: CANCELLED</p>	131	

Meeting Notice

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S. Peterson
D. Hood
P. Tam
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