



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

May 27, 1998

Mr. D. R. Gipson
Senior Vice President
Nuclear Generation
The Detroit Edison Company
6400 North Dixie Highway
Newport, MI 48166

SUBJECT: PLANT PERFORMANCE REVIEW (PPR) - FERMI

Dear Mr. Gipson:

The NRC staff recently completed the semiannual Plant Performance Review (PPR) of the Fermi Nuclear Power Plant. The staff conducts these reviews for all operating nuclear power plants to develop an integrated understanding of safety performance. The results are used by NRC management to facilitate planning and allocation of inspection resources. The PPR for the Fermi plant involved the participation of all technical divisions in evaluating inspection results and safety performance information for the period of October 1997 through March 1998. PPRs provide NRC management with a current summary of licensee performance and serve as inputs to the NRC Systematic Assessment of Licensee Performance (SALP) and senior management meeting (SMM) reviews.

Enclosure 1 contains a historical listing of plant issues, referred to as the Plant Issues Matrix (PIM), that were considered during this PPR process to arrive at an integrated view of licensee performance trends. The PIM includes only items from inspection reports or other docketed correspondence between the NRC and Detroit Edison. The PPR may also have considered some predecisional and draft material that does not appear in the attached PIM, including observations from events and inspections that had occurred since the last NRC inspection report was issued, but had not yet received full review and consideration. This material will be placed in the PDR as part of the normal issuance of NRC inspection reports and other correspondence.

This letter advises you of our planned inspection effort resulting from the Fermi PPR process. It is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Enclosure 2 details our inspection plan for the next 6 months. The rationale or basis for each inspection outside the core inspection program is provided so that you are aware of the reason for emphasis in these program areas. Resident inspections are not listed due to their ongoing and continuous nature.

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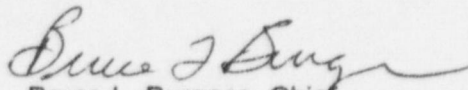
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We will inform you of any changes to the inspection plan. If you have any questions, please contact me at 630/829-9629.

Sincerely,



Bruce L. Burgess, Chief
Reactor Projects Branch 6

Docket No.: 50-341
License No.: NPF-43

Enclosures: 1. Plant Issues Matrix
2. Inspection Plan

cc w/encls: M. Peterson, Director
Nuclear Licensing
P. A. Marquardt, Corporate
Legal Department
Richard Whale, Michigan Public
Service Commission
Michigan Department of
Environmental Quality
Monroe County, Emergency
Management Division
Emergency Management
Division, MI Department
of State Police

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Search Sorted by Date (Descending) and SMM Codes (Ascending): Search Column = "Date" ; Beginning Date = "10/1/97" ; Ending Date = "3/31/98"

#	DATE	TYPE	SOURCE	ID BY	SALP	SMM CODES	DESCRIPTION
1	3/16/1998	Positive	IR 98003	NRC	Operations	1B	Operators responded to an inadvertent load shed of Safety Bus 72E in a coordinated and methodical manner. Shift supervision provided clear direction to operators and support personnel responding to the event. Support personnel, including a crew of operators from training, were effectively utilized. Notification of the event to the NRC, Technical Specification actions, and documentation of events were appropriate and complete. (Section O1.2)
2	3/16/1998	Positive	IR 98003	NRC	Operations	1B 2A	Operator response to a reactor scram caused by a main turbine trip was conducted in a controlled and coordinated manner. Shift supervisory personnel provided clear, conservative direction. Support organizations' efforts were coordinated. In general, plant equipment response was good. (Section O1.1)
3	3/16/1998	DEV	IR 98003	NRC	Operations	1C	Two examples of a deviation from a commitment to comply with Regulatory Guide 1.78, "Control Room Habitability," were identified. The licensee's practices regarding availability of backup respirators in the control room and training on toxic chemical recognition and prompt donning of respirators for operators, did not comply with the Regulatory Guide. Additionally, two issues affecting the ability to respond adequately to a chlorine release were identified. (Section O8.1)
4	3/16/1998	Negative	IR 98003	NRC	Maintenance	1C 2B	An inadvertent load shed on Safety Bus 72E was caused by an unclear surveillance test procedure step. Inadequate reviews of the procedure revision and a lack of questioning attitude by maintenance workers contributed to the event. A violation was identified for an inadequate procedure. The licensee's investigation was prompt and thorough. (Section M3.2)
5	3/16/1998	Negative	IR 98003	NRC	Maintenance	2A	Residual Heat Removal Pump B developed multiple indications of unusual wear. The inspectors expressed concern about the pump's long term operability when the licensee evaluated the motor as acceptable. Subsequently, the decision was made to replace the motor. (Section M2.1)

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6	3/16/1998	Positive	IR 98003	NRC	Maintenance	2B	Plant management discussed three instances of potential preconditioning, identified by the NRC and licensee personnel, with plant staff to further sensitize personnel to potential preconditioning issues during maintenance and testing. The licensee intended to evaluate the response to specific issues after creation of a station policy on the subject based on industry and regulatory practices in this area. A systematic review of maintenance and testing practices against this policy was also planned. (Section M1.2)
7	3/16/1998	Negative	IR 98003 IR 98003	NRC	Maintenance	2B 2A	The inspectors concluded that the licensee's failure to provide adequate instructions to ensure proper configuration control of switchyard electrical components resulted in the installation of a protective relaying circuit card with an improper configuration. Switchyard configuration control was assigned to an offsite organization, which did not use the station's configuration control program. The licensee's corrective actions were comprehensive, including an extensive verification of switchyard component configuration. (Section M3.1)
8	3/16/1998	Positive	IR 98003	NRC	Maintenance	2B 2A	The licensee effectively addressed emergent equipment problems identified during the forced outage and the subsequent plant startup. A good questioning attitude was demonstrated during the replacement of the control room chlorine detector, but inadequate preparation for the work resulted in the inability to complete the job after entering a limiting condition for operation. A motor-operated potentiometer was not properly adjusted prior to installation, resulting in a challenge to the emergency diesel generator and delays in returning it to service. (Section M1.1)
9	3/16/1998	Negative	IR 98003	NRC	Maintenance	2B 3B	The inspectors identified that maintenance personnel incorrectly concluded that as-found relay timing data for an alarm circuit associated with the scram discharge instrument volume could be copied from a previously performed test. The relay was replaced as part of regularly scheduled preventive maintenance. The old relay was successfully tested after the inspectors questioned the lack of as-found testing. The omission was caused by a confusing work package step. (Section M3.3)

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10	3/16/1998	Positive	IR 98003	NRC	Engineering	4B 2A	The inspectors concluded that the licensee acted in a conservative manner and declared both systems of low pressure coolant injection inoperable when it was discovered that manual operator action was required for proper low pressure coolant injection actuation. The conditions resulted in some complications in the conduct of surveillance testing. (Section E2.1)
11	3/16/1998	Negative	IR 98003	NRC	Engineering	4B 2A	The inspectors concluded that slow turbine valve stroke times, which caused higher than design turbine speeds during a load rejection, were the result of control system products found in the EHC system from in leakage in the turbine hydraulic oil coolers. This condition went unnoticed for a longer period of time because of the reduced frequency of valve testing. The inspectors were concerned with the corrective actions to apply a graphite lubrication in a high temperature and moist environment, since that lubricant would lose its effectiveness over time in that environment. (Section E2.2)
12	3/16/1998	NCV	IR 98003	NRC	Engineering	4B 5B	The licensee appropriately conducted a thorough review of all inputs to and calculations used to support the core thermal power computation. No other errors were identified. A non-cited violation was identified for having exceeded the licensed core thermal power at one or more times in the past by a small fraction of a percent. (Section E8.1)
13	3/5/1998	Licensing	TELEPHONE CONFERENCE MEMO	NRC	Engineering	4C	Problems Encountered in Fermi Licensing Submittals The original submittal for the Cycle 6 minimum critical power ratio (MCPR) amendment (NRC-96-0075) failed to provide adequate information to support the MCPR Safety Limit adjustment for single loop operation. Previous single loop adders for this same fuel were 0.01. In the Cycle 6 submittal this value was changed to 0.02. The staff requested and received additional information to explain this change.

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14	3/5/1998	Licensing	TELEPHONE CONFERENCE MEMO	NRC	Engineering	4C	Problems Encountered in Fermi Licensing Submittals The original submittal for valve relief requests VR-63 & VR-64 (NRC-97-0001) did not conform with the guidance of NUREG-1482, AGuidelines for Inservice Testing at Nuclear Power Plants, @ April 1995. No alternative testing was proposed short of the current exercise although the NUREG specifically stated that simply verifying that the valves function is not an acceptable alternative. A revised submittal was prepared after the NRC raised this issue.
15	3/5/1998	Licensing	TELEPHONE CONFERENCE MEMO	NRC	Engineering	4C	Problems Encountered in Fermi Licensing Submittals After Project Manager presented the problems that existed in some recent submittals, the licensee explained steps that it has taken to ensure high quality submittals. The licensee entered the problems into its corrective action program for evaluation and action. A small team was formed for the evaluation. The six submittals from the licensee dated January 28, 1998, received extra reviews by editors and technical personnel. The licensee has also developed a template intended to guide authors through the development of a submittal that supplies all of the necessary information in the correct format. It appears that the actions described should correct the problems that were encountered. The NRC will continue to assess the quality of submittals in the future.
16	3/5/1998	Licensing	TELEPHONE CONFERENCE MEMO	NRC	Engineering	4C	Problems Encountered in Fermi Licensing Submittals The recirculation motor-generator set stops amendment (NRC-97-0037) contained a substantive word omission in the no significant hazards consideration discussion. The response to question2 originally read, in part The proposed...change does result in any changes to the design...or operation of the plant...
17	3/5/1998	Licensing	TELEPHONE CONFERENCE MEMO	NRC	Engineering	4C	Problems Encountered in Fermi Licensing Submittals The power range neutron monitoring amendment was missing an affected technical specification page (NRC-97-0105). The missing page was 3/4 3-44a which contains control rod block setpoints. The contents of the section on that page for rod blocks associated with reactor coolant system recirculation flow were to be removed or relocated.

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18	3/4/1998	VIO/SL-IV	IR 97011, EA 97-479	NRC	Engineering	4A	The licensee failed to identify an apparent unreviewed safety question in that a possibility of equipment malfunctions due to inadequate emergency equipment cooling water flow was not previously analyzed in the Updated Final Safety Analysis Report (UFSAR), despite the need for operator actions to rectify the situation.
19	2/26/1998	VIO/SL-IV	IR 98004	NRC	Operations	1C	The complex evolution involving fuel inspection was performed without an appropriate level of administrative controls. The work request used to control the evolution was inappropriate to the circumstances for which a violation was issued. The inspectors concluded that the limitations of using a work request contributed to unclear roles and responsibilities for operators and other supervisory personnel. Licensee corrective actions for this problem were appropriate and comprehensive. (Section O3.1)
20	2/26/1998	DEV	IR 98004	NRC	Operations	1C	Operators did not question the practice of storing fuel in the fuel preparation machine (FPM) overnight, even though this practice was not specified in the governing work request or discussed during shift briefings. When the inspector questioned the practice, the nuclear shift supervisor acted conservatively to place the bundle in question back in the normal storage rack until the issue could be further evaluated. The licensee intended to store fuel overnight in the FPM, but did not document the intent, did not brief it during the shift briefing with plant operators, and did not evaluate the acceptability of storage of spent fuel in the FPM prior to its use. A deviation from a regulatory commitment was identified. (Section O1.2)
21	2/26/1998	Negative	IR 98004	NRC	Operations	1C	The inspector concluded that operators were unfamiliar with the prerequisites required to be performed prior to granting permission to move fuel and conduct fuel inspection activities. This appeared to be due primarily to a lack of administrative control and documentation. In addition, control room operators were not as involved in the movement and inspection of fuel as they would be during refueling activities. (Section O1.1)
22	2/26/1998	Positive	IR 98004	NRC	Plant Support	3A	The inspector observed that radiation protection personnel were closely involved in all phases of the preparation and execution of the fuel inspections. Workers were observed to follow good radiation worker practices. The inspectors observed good foreign material controls and tool accountability during the work. (Section R1.1)

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23	2/26/1998	Negative	IR 98004	NRC	Engineering	3B	The inspector concluded that the licensee had an informal training and qualification process with respect to refueling and associated work tasks. No specific deficiencies related to training activities were identified and workers were observed to be knowledgeable of the work activities. However, knowledge weaknesses were noted in emergency response to a fuel handling mishap. (Section E5.1)
24	2/26/1998	VIO/SL-IV	IR 98004	NRC	Engineering	3B 1C 4B	The inspector concluded that the licensee did not analyze for or implement adequate criticality controls for fuel bundle disassembly and handling of multiple fuel rods simultaneously, which was considered a violation. The condition was briefly considered and dispositioned informally without using any documented analysis, since none was available onsite. Subsequent analyses demonstrated that no potentially critical configuration existed. However, the first of these analyses was not available for more than a month after the fuel inspection. (Section E3.1)
25	2/26/1998	Negative	IR 98004	NRC	Engineering	4C	The inspector identified a lack of formal design control measures and documentation for the FPM's upper travel limit and radiation monitor interlock. No regulatory requirements were violated. (Section E3.2)
26	2/13/1998	Negative	IR 98002	NRC	Maintenance	2B	The approach to establishing the risk ranking for SSCs was adequate, although the downgrading of systems were not always sufficiently justified. (Section M1.2.b.2)
27	2/13/1998	VIO/SL-IV	IR 98002	NRC	Maintenance	2B	The scoping determinations were appropriate for most structures, systems, and components (SSCs) and functions. However, a weakness in the scoping process resulted in a violation in that four SSCs/functions were inappropriately excluded from the scope of the MR program. (Section M1.1)
28	2/13/1998	Positive	IR 98002	NRC	Maintenance	2B	Although the periodic assessment was adequate to meet the requirements of the MR, some areas were not assessed in great detail in the report. (Section M1.3)
29	2/13/1998	Positive	IR 98002	Licensee	Maintenance	2B	The processes for assessing plant risk resulting from equipment being out-of-service for on-line maintenance and shutdown risk management were determined to be good. The use of the Initiating Events Guidance Document was considered a good additional initiative to assess the risk associated with on-line maintenance. (Section M1.5)

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30	2/13/1998	VIO/SL-IV	IR 98002	NRC	Maintenance	2B	The performance criteria for reliability and unavailability were good. However, one isolated violation was identified concerning monitoring an SSC reliability at the system versus the divisional level. (Section M1.6)
31	2/13/1998	VIO/SL-IV	IR 98002	NRC	Maintenance	2B	Several functional failures were not identified by the program process, which showed a weakness in evaluating problems for MR applicability. Specifically, failures were not always assessed based on a system licensing basis and design functionality; and potentially allowing compensatory measures to satisfy the system function. Inappropriate functional failure determinations were also identified as a concern by the recent self-assessments. One violation was identified for failure to adequately monitor an (a)(1) SSC against goals. (Sections M1.6.b.1.3)
32	2/13/1998	Positive	IR 98002	NRC	Maintenance	2B	The structural monitoring program was effective. Inspections adequately assessed the conditions of structures and corrective actions were initiated to correct deficiencies. (Section M1.6.b.4)
33	2/13/1998	Positive	IR 98002	NRC	Engineering	4B	The system engineers were experienced and knowledgeable about their systems and their responsibilities with respect to the MR. Several tools available to the system engineers were beneficial to provide support in the monitoring of system performance with respect to the MR. (Section E4.1)
34	2/13/1998	Misc	IR 98002	NRC	Maintenance	5A 2B	The recent assessments of the MR program were acceptable. The use of outside personnel provided independent insights into the MR program and added to the overall quality of the audit. (Section M7.1)
35	2/1/1998	LER	LER 98001	Licensee	Maintenance	2A 1B	Automatic Reactor Scram due to Main Turbine Trip
36	1/3/1998	Negative	IR 97016	NRC	Operations	1A	The inspectors concluded that power uprate testing was conducted in a coordinated manner. However, the determination of plant response at higher power levels was limited in scope. The inspectors concluded that by not performing a detailed plant walkdown, unanticipated changes in plant conditions may have been missed (Section O2.2).
37	1/5/1998	Positive	IR 97016	NRC	Operations	1A 1C 3A	The inspectors concluded that, in general, the operators performed well during this inspection period. High visibility operations were well coordinated and conducted. (Section O1.1)

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38	1/5/1998	Negative	IR 97016	NRC	Operations	1A 2A	Operators continued to accept a lower standard of available documentation, equipment labeling, and training related to switchyard equipment than for regular plant equipment. (Section O1.2.b)
39	1/5/1998	Positive	IR 97016	NRC	Operations	1B	On December 29, 1997, operators identified a feedwater controller anomaly and obtained assistance from support organizations. The licensee acted promptly to reduce power below 25 percent in order to remove the affected controller from service and avoid challenging the plant (Section O1.1.b).
40	1/5/1998	Negative	IR 97016	NRC	Operations	1C	Two procedural weaknesses were identified; one that delayed identification of the loss of the process computer by the operators and the other that could potentially result in missed commitments due to changes to operator round sheets. (Section O1.1) (PIM Item dated 1/5/98, IR 97016).
41	1/5/1998	Positive	IR 97016	NRC	Operations	1C 1A	The licensee promptly identified two safety tagging errors and took appropriate immediate actions. The inspectors concluded that each event had minimal safety significance. However, the inspectors were concerned that multiple barriers designed to make safety tagging error-free were rendered ineffective by operator practices. The licensee's corrective actions included a human performance review day for all site personnel that included a detailed review of the safety tagging errors (Section O1.2).
42	1/5/1998	Negative	IR 97016	NRC	Maintenance	2A	In general, the freeze protection program was adequately implemented; however, system design and equipment deficiencies in the turbine building ventilation and reactor building ventilation system continued to challenge operators (Section M2.1).
43	1/5/1998	Negative	IR 97016	NRC	Maintenance	2B	The inspectors concluded that the accepted practice of disregarding gauge use restriction labels could potentially result in the introduction of foreign material into plant systems. Also, the use of the data from an imprecise gauge reading resulted in measurements that were close to the alert range of the Division 2 Emergency Equipment Cooling Water pump. The alert range testing would result in increased unnecessary testing and equipment wear. The inspectors concluded that lack of a questioning attitude and training contributed to the event (Section M1.3).

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44	1/5/1998	Positive	IR 97016	NRC	Maintenance	2B 5B	Maintenance workers and component engineers work effectively with system engineers and operations personnel to troubleshoot and repair the feedwater controller in an expeditious manner. (M1.1.b)
45	1/5/1998	Negative	IR 97016	NRC	Maintenance	3A	Two personnel errors were promptly investigated and corrective actions implemented. The licensee's planned corrective action included a comprehensive assessment and review of the two events during a human performance review day, which will include all station personnel. Neither error was safety significant, but these events indicated a continuing trend in personnel errors during maintenance activities previously documented in Inspection Report No. 50-341/97013 (Section M1.2).
46	1/5/1998	Weakness	IR 97016	NRC	Plant Support	3A	The inspectors concluded that the licensee performed appropriate surveys following changes in plant conditions, such as starting up the hydrogen water chemistry system. However, general area survey maps were not superseded when conditions on a portion of the map changed. It was not always clear that additional survey maps needed to be reviewed (Section R3.1).
47	1/5/1998	URI	IR 97016 URI 97016-02 URI 97016-03	NRC	Engineering	4B	The inspectors concluded that the licensee did not process the 10 CFR 21 notice concerning Asea Brown Boveria K-Line breakers in a timely manner. This delayed an operability evaluation of breakers which were associated with multiple safety components. The inspectors were concerned that an adequate evaluation of the use of cross tie breakers was not performed prior to using maintenance cross tie breakers to supply power to Residual Heat Removal service water cross tie valves. Two unresolved items were identified pending review by the licensee (Section E2.2).
48	12/5/1997	Negative	IR 97017	NRC	Operations	1A	Communications were at times informal and did not always meet management expectations for three way communication. Also, some lapse in formal controls to restrict personnel access to vital control areas in the control room was observed. (Section O1.1)
49	12/5/1997	Positive	IR 97017	NRC	Operations	1A	Control Room operators demonstrated an appropriate level of attentiveness to the operating panels and were knowledgeable of plant conditions. (Section O1.1)
50	12/5/1997	Positive	IR 97017	NRC	Operations	1A 1C	The licensee's continued implementation of the Operational Excellence Plan have shown improvements in the conduct of operations as noted in recent resident inspection reports. (Section O5.1)

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51	12/5/1997	Positive	IR 97017	NRC	Operations	3B	The licensee's controls to revise the licensed operator requalification training program were satisfactory. (Section O5.4)
52	12/5/1997	Positive	IR 97017	NRC	Operations	3B	In general, all portions of the annual requalification examination met the minimum criteria in accordance with the guidance given in NUREG 1021, "Operator Licensing Examination Standards for Power Reactors," Interim Revision 8. (Sections O5.2, O5.3)
53	12/5/1997	Positive	IR 97017	NRC	Operations	3B	The licensee's incorporation of current industry events into the operator training program was good. (Section O5.2.2)
54	12/5/1997	Weakness	IR 97017	NRC	Operations	3B	The simulator scenarios lacked sufficient complexity. Some scenarios had no component or instrument failures following the major malfunction, and the scenarios did not readily incorporate equipment out-of-service or have existing technical specification limiting conditions for operation as part of the initial conditions. (Section O5.2.1)
55	12/5/1997	Weakness	IR 97017	NRC	Operations	3B	The excessive repetition of examination material from week to week and during remediation re-evaluation generated questions pertaining to examination integrity (Sections O5.3.2, O5.5)
56	12/5/1997	Weakness	IR 97017	NRC	Operations	3B	In general, the requalification examination material bank contained the minimum qualitative attributes to provide an adequate evaluation of operator skills; however, the quantity of examination material in the bank was marginal. (Section O5.2.1)
57	12/5/1997	Negative	IR 97017	NRC	Operations	3B 1A	Some knowledge and operating weaknesses were observed during the requalification examination (written and operating). The operating weaknesses included erroneous emergency classification and weak command and control. (Sections O1.2, O5.3.1)
58	12/5/1997	Weakness	IR 97017	NRC	Operations	5C	The differences between assessments and formal evaluations posed potential problems for meeting the requirements of an annual evaluation of licensed operators. The licensee's procedure allowed the use of the same failed simulator scenario for the remedial re-evaluation following an unsatisfactory assessment. (Section O5.5)
59	11/7/1997	*****	IR 97001	*****	*****	**	*** SALP 16 ENDS ***

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60	11/7/1997	Positive	IR 97014	NRC	Operations	1A	The inspectors concluded that operators continued to exhibit improved performance in monitoring plant conditions. Personnel on rounds continued to be effective in identifying and reporting problems. Supervisory presence in the field for operations increased, partly as a result of having reduced the administrative burden in the control room. (Section O1.1)
61	11/7/1997	Positive	IR 97014	NRC	Operations	1A	Both startup and shutdown evolutions were performed smoothly and without error. Licensed operator trainees in the control room were properly supervised and contributed positively to crew performance. Briefings were frequent and effective. (Section O1.2)
62	11/7/1997	Positive	IR97014	NRC	Operations	1A	The reactor vessel pressure test at the conclusion of the mid-cycle outage was performed expeditiously in a coordinated and controlled manner. Preparations, particularly the use of the simulator, were effective in minimizing the time spent with shutdown cooling secured during a relatively high decay heat condition. However, the inspectors concluded that distractions from the test were not effectively minimized in the control room. (Section O1.3)
63	11/7/1997	VIO/SL-IV	IR 97014 IR97014	NRC	Operations	1A 3A	The licensee identified that operators violated a TS required situational surveillance check of electrical power source operability, when it was completed nine minutes late. This TS violation is of additional concern because it is similar to a recent failure to verify electrical power availability documented in Inspection Report 50-341/97007. Prompt corrective actions significantly raised the visibility of TS actions among operators. (Section O1.4)
64	11/7/1997	Negative	IR 97014	NRC	Operations	1C	Inspectors identified concerns with a lack of documentation of entries into allowed Technical Specification (TS) exceptions with limited time duration. (Section O1.1).
65	11/7/1997	Positive	IR 97014	NRC	Operations	1C 2A	The licensee was able to reduce the number of Limiting Condition for Operations (LCOs) entries by maintaining good equipment performance and by operations staff actively pursuing resolution of all LCO issues and holding organizations accountable for timely resolution. (Section O2.1)

PLANT ISSUES MATRIX

Fermi

5/27/98

Search Sorted by Date (Descending) and SMM Codes (Ascending): Search Column = "Date" ; Beginning Date = "10/1/97" ; Ending Date = "3/31/98"

#	DATE	TYPE	SOURCE	ID BY	SALP	SMM CODES	DESCRIPTION
66	11/7/1997	Negative	IR 97014	NRC	Maintenance	2A	The inspectors identified that the standby liquid control system configuration challenged operators while performing surveillance testing, and that the high pressure coolant injection surveillance test procedure did not include guidance to pump down the suppression pool. (Section M1.1)
67	11/7/1997	Negative	IR 97014	NRC	Maintenance	2B	Coordination of switchyard maintenance with offsite personnel, though improved over the last several months, continued to need additional improvement. (Section M1.1)
68	11/7/1997	Positive	IR 97014	NRC	Maintenance	2B	The mid-cycle outage was planned in greater detail than past outages, resulting in better reviews, more complete preparations, and few schedule-related problems. Problems observed during the previous refueling outage were observed to have been effectively corrected. Teamwork and coordination were evident in identification of equipment problems and performance of refueling floor activities. Outage management personnel effectively communicated the results of risk analyses to the entire site. These improvements resulted in completing an aggressive outage schedule slightly ahead of schedule with a minimum of problems. (Section M1.2)
69	11/7/1997	Negative	IR 97014	NRC	Maintenance	2B 2A	During a turbine building HVAC system outage, turbine building temperature rose to within 10 degrees of the trip setpoint for Main Steam Isolation Valve (Group 1) closure. The outage was terminated due to high temperatures in the turbine building. Inspectors identified that high temperatures affected resistance temperature detectors (Section M1.1.b)
70	11/7/1997	Negative	IR 97014	NRC	Operations	3A 3B	Operators inadvertently deemrigized the west station air compressor necessitating entry into abnormal procedures for a loss of air due to failure to update a load list. A similiar problem occurred with the inadvertant deenergizing loads that occurred during motor control center fused disconnect switch lubrication efforts in March -April 1997. (Section O1.1.b)

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5/27/98

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#	DATE	TYPE	SOURCE	ID BY	SALP	SMM CODES	DESCRIPTION
71	11/7/1997	NCV	IR 97014	NRC	Engineering	4A	Inverted Boraflex panels in SFP storage racks were not documented in UFSAR. The licensee determined that the combined effects of the two conditions discussed in Section E8.4 were not accounted for because the results of the eight storage cells with inverted panels were not documented in the UFSAR. Failure to maintain the UFSAR updated with the current configuration of the SFP storage racks was a violation of 10 CFR 50.71. However, this non-repetitive, licensee-identified and corrected violation is being treated as a non-cited violation (Section E8.5).
72	11/7/1997	Positive	IR 97014	NRC	Engineering	4B	The licensee effectively utilized several teams designated to conduct equipment walkdowns, particularly in normally inaccessible areas of the plant. These walkdowns were scheduled at appropriate times during both startup and shutdown sequences when dose was acceptably low but the systems of concern were hot and pressurized. During startup, this effort included a vacuum leak team which was effective in ensuring the plant returned to operation with a low air leakage rate. Although these walkdowns were performed jointly by operators, system engineers, and RP personnel, this is an example of increased engineering support (Section M1.2.b.5)
73	11/7/1997	Misc	IR 97014	NRC	Engineering	4B	The inspectors were concerned that the licensee did not formally evaluate and document the operational impact of the potential failure of selected solenoid operated valves remaining in service. Consequently, the licensee implemented additional measures to periodically verify operability of the affected valves. The licensee's corrective action of increasing surveillance of selected systems was acceptable. (Section E1.1)
74	10/10/1997	Positive	IR 97015	NRC	Plant Support	1C	ALARA planning for the 97-02 Mid-Cycle Outage was based on historical data and actual job doses coincided well with the dose estimates. In addition, the outage ALARA planning demonstrated contingency planning and use of dose reduction techniques to minimize radworker occupational dose (Section R1.1).
75	10/10/1997	Positive	IR 97015	NRC	Plant Support	3A	The licensee's records incident to decommissioning were well-maintained and were in compliance with 10 CFR 50.75(g) and other NRC guidance (Section R3.1).

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Search Sorted by Date (Descending) and SMM Codes (Ascending): Search Column = "Date" ; Beginning Date = "10/1/97" ; Ending Date = "3/31/98"

#	DATE	TYPE	SOURCE	ID BY	SALP	SMM CODES	DESCRIPTION
76	10/10/1997	Positive	IR 97015	NRC	Plant Support	3A	The chemistry staff successfully implemented a process to expedite floodup and improve water quality/clarity, and plant personnel effectively monitored fuel integrity issues throughout the fuel cycle. The Depleted Zinc Oxide injection continued to minimize cobalt deposition on plant piping (Section R2.1).
77	10/10/1997	Positive	IR 97015	NRC	Plant Support	3A	The fuel sipping and reactor head activities were efficiently performed. The jobs were well-planned and implemented with appropriate ALARA considerations. These evolutions incorporated extensive research and evaluations, attention to lessons learned, and effective preventative maintenance (Section R1.3).
78	10/10/1997	Positive	IR 97015	NRC	Plant Support	3A	Radiological posting and labeling, housekeeping, and solid radwaste control measures were effectively implemented. Contamination control practices in the plant were thorough and included radiation surveys to detect alpha contamination; no alpha contamination was detected (Section R1.2).
79	10/10/1997	NCV	IR 97015	NRC	Plant Support	3A	The radiation protection support and radworker practices were generally good. However, the inspectors observed one instance of inappropriate contamination control and one Non-Cited Violation was identified regarding the issuance of alarming dosimetry with an incorrect dose alarm setpoint (Section R4.1).
80	10/10/1997	Positive	IR 97015	NRC	Plant Support	3A 2A 1C	The reactor water cleanup (RWCUC) pre-job briefings informed radworkers of the radiological conditions, dosimetry requirements, and ALARA measures. Both the RWCUC repair work and radiation protection job oversight were effective. The RWCUC materiel condition continued to challenge the staff and the difficulties with pump disassembly will be reviewed further by Region III (Section R1.4).

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#	DATE	TYPE	SOURCE	ID BY	SALP	SMM CODES	DESCRIPTION
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81	10/10/1997	LER	LER 97014	Licensee	Engineering	4A	Turbine Building and Auxiliary Building Mezzanine Not Fully Meeting License Condition 2.C.9. During independent design verification of an Engineering Design Package, unsealed electrical penetrations were discovered in the auxiliary building wall fire rated separation barrier and in the adjacent and parallel turbine building fire barrier.. This prompted a review of the fire hazards analysis and the 10CFR50, Appendix R assumptions used for this area. This review was completed on October 10, 1997 and revealed that of the 20 penetrations in these walls, 16 were not sealed at the auxiliary building wall and 4 were not sealed at the turbine building wall. There were no openings which were unsealed at both the turbine building wall and the auxiliary building wall. The 16 unsealed penetrations in the auxiliary building wall are located over a horizontal distance in excess of 25 feet and interface with areas which contain both redundant shutdown divisions. The lack of penetration seals in the fire barriers could allow a fire in the turbine building to exit the turbine building through any of the 4 unsealed penetrations and enter the auxiliary building at any of the sixteen unsealed penetrations. These 16 unsealed penetrations could then introduce a fire hazard within 20 feet of cable trays containing both Division I and Division II shutdown divisions. This condition is not in compliance with 10CFR50, Appendix R and is also reportable within 24 hours under License Condition 2.C(9).
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GENERAL DESCRIPTION OF PIM TABLE LABELS

#	A counter number used for NRC internal editing.
DATE	The date of the event or significant issue. For those items that have a clear date of occurrence use the actual date. If the actual date is not known, use the date the issue was identified. For issues that do not have an actual date or a date of identification, use the LER or inspection report date.
TYPE	The categorization of the issue - see the TYPE ITEM CODE table.
SOURCE	The document that contains the issue information: IR for NRC Inspection Report or LER for Licensee Event Report.
ID BY	Identification of who discovered the issue - see table.
SALP	SALP Functional Area Codes - Engineering, Maintenance, Operations, Plant Support and All/Multiple (i.e., more than one SALP area affected).
SMM CODES	Senior Manager Meeting Codes - see table.
DESCRIPTION	Details of the issue from the LER text or from the IR Executive Summaries.

TYPE ITEM CODE

DEV	Deviation from NRC Requirements
ED	Escalated Discretion - No Civil Penalty
EEI*	Escalated Enforcement Issue - Waiting Final NRC Action
LER	License Event Report to the NRC
Licensing	Licensing Issue from NRR
Misc	Miscellaneous (Emergency Preparedness Finding, etc.)
NCV	Non-Cited Violation
Negative	Individual Poor Licensee Performance
Positive	Individual Good Licensee Performance
Strength	Overall Strong Licensee Performance
URI**	Unresolved Inspection Item
VIO/SL-I	Notice of Violation - Severity Level I
VIO/SL-II	Notice of Violation - Severity Level II
VIO/SL-III	Notice of Violation - Severity Level III
VIO/SL-IV	Notice of Violation - Severity Level IV
Weakness	Overall Weak Licensee Performance

ID BY

Licensee	The licensed utility
NRC	The Nuclear Regulatory Commission
Self-Revealed	Identification by an event (e.g., equipment breakdown)
Other	Identification unknown

NOTES

* EEIs are apparent violations of NRC requirements that are being considered for escalated enforcement action in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Action" (Enforcement Policy), NUREG-1600. However, the NRC has not reached its final enforcement decision on the issues identified by the EEIs and the PIM entries may be modified when the final decisions are made. Before the NRC makes its enforcement decision, the licensee will be provided with an opportunity to either (1) respond to the apparent violation or (2) request a predecisional enforcement conference.

** URIs are unresolved items about which more information is required to determine whether the issue in question is an acceptable item, a deviation, a nonconformance, or a violation. However, the NRC has not reached its final conclusions on the issues, and the PIM entries may be modified when the final conclusions are made.

SENIOR MANAGEMENT MEETING CODES

1	Operational Performance: A - Normal B - During Transients C - Programs and Processes
2	Material Condition: A - Equipment Condition B - Programs and Processes
3	Human Performance: A - Work Performance B - Knowledge, Skills, and Abilities C - Work Environment
4	Engineering/Design: A - Design B - Engineering Support C - Programs and Processes
5	Problem Identification and Resolution: A - Identification B - Analysis C - Resolution

FERMI
INSPECTION/ACTIVITY PLAN

IP - Inspection Procedure
 TI - Temporary Instruction
 Core Inspection - Minimum NRC Inspection Program (mandatory all plants)

INSPECTION/ ACTIVITY	TITLE/ PROGRAM AREA	NUMBER OF NRC INSPECTORS/ INDIVIDUALS	PLANNED DATES	TYPE OF INSPECTION/ACTIVITY- COMMENTS
IP 73753	Inservice Inspection (ISI)	1	8/15-9/25/98	Core
IP 81700	Security Inspection	1	8/24-8/31/98	Regional Initiative
IP 62706	Maintenance Rule Followup	2	10/05-9/19	Regional Initiative
IP 82301/ 82302	Emergency Preparedness	4	6/8-6/16/98	Core
IP 86750	Radiation Protection	1	6/8-15/98	Core
IP 83750	Radiation Protection	1	8/31-9/07/98	Core