

September 30, 1999

Mr. Robert Wanczyk
Acting Director of Operations
Vermont Yankee Nuclear Power Corporation
185 Old Ferry Road
Brattleboro, Vermont 05301

SUBJECT: MID-CYCLE PLANT PERFORMANCE REVIEW - VERMONT YANKEE
NUCLEAR POWER STATION

Dear Mr. Wanczyk:

On September 13, 1999, the NRC staff completed the mid-cycle Plant Performance Review (PPR) of the Vermont Yankee Nuclear Power Station. The staff conducts these reviews for all operating nuclear power plants to integrate performance information and to plan inspection activities at your facility over the next six months. The focus of this performance review was to identify changes in performance over the last six months and to allocate inspection resources accordingly. We provided our most recent summary of your performance (full PPR) in a letter dated April 9, 1999.

Our six month review of Vermont Yankee identified that your overall performance remained consistent with the full PPR. We did not identify any new areas in which your performance warranted additional inspection beyond the core inspection program, except as that previously discussed in the April report of the PPR. As such, we will continue to provide an increased inspection emphasis on your efforts to improve operability determinations, human performance, and work control and oversight of maintenance. Additionally, we will complete the previously scheduled initiative inspection in the engineering area; although, we refocused that initiative to review engineering support to operations and oversight of contractor work during the refueling outage. That initiative also will include a review of your corrective actions for a Maintenance Rule implementation problem that occurred during the last refueling outage.

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 review of licensee performance trends. The PIM includes items summarized from inspection reports or other docketed correspondence between the NRC and Vermont Yankee Nuclear Power Corporation from September 1998 through August 1999. As noted above, we placed greater emphasis on those issues identified in the past six months during this performance review. The NRC does not attempt to document all aspects of licensee programs and performance that may be functioning appropriately. Rather, we only document issues that we believe warrant management attention or represent noteworthy aspects of performance. In addition, the PPR may have also considered some predecisional and draft material that does not appear in the attached PIM, including observations from events and inspections that have occurred since the last NRC inspection report was issued, but that have not yet received full review and

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consideration. This material will be placed in the Public Document Room as part of the normal issuance of NRC inspection reports and other correspondence.

This letter advises you of our plans for future inspection activities at your facility so that you will have an opportunity to prepare for these inspections and to provide us with feedback on any planned inspections that may conflict with your plant activities. Enclosure 2 details our inspection plan through March 2000 to coincide with the scheduled implementation of the revised reactor oversight process in April 2000. The rationale or basis for each inspection outside the core inspection program is discussed above 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.

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5227 with any questions you may have.

Sincerely,

Original Signed by:

Stephanie Coffin, Acting Chief
Projects Branch 5
Division of Reactor Projects

Docket No. 50-271
License No. DPR-28

Enclosures:

1. Plant Issues Matrix
2. Inspection Plan

cc w/encls:

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G. Sen, Licensing Manager, Vermont Yankee Nuclear Power Corporation
D. Rapaport, Director, Vermont Public Interest Research Group, Inc.
D. Tefft, Administrator, Bureau of Radiological Health, State of New Hampshire
Chief, Safety Unit, Office of the Attorney General, Commonwealth of Massachusetts
D. Lewis, Esquire
G. Bisbee, Esquire
J. Block, Esquire
T. Rapone, Massachusetts Executive Office of Public Safety
D. Katz, Citizens Awareness Network (CAN)
M. Daley, New England Coalition on Nuclear Pollution, Inc. (NECNP)
State of New Hampshire, SLO Designee
State of Vermont, SLO Designee
Commonwealth of Massachusetts, SLO Designee

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ENCLOSURE 1:

PLANT ISSUES MATRIX

United States Nuclear Regulatory Commission

PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

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IR Report 3

Region I
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
08/01/1999	1999006	Pri: OPS Sec: 05000271 VERMONT YANKEE	NRC	NEG	Pri: 2A Sec: Ter:	Service Water System Monitoring During Chemical Treatment The NRC identified two service water leaks from room cooling unit coils. Although the leaks did not render any equipment inoperable, they were not detected by VY's monitoring during a chemical treatment designed to remove microbiologically induced corrosion (MIC) from the service water piping.
08/01/1999	1999006	Pri: OPS Sec: 05000271 VERMONT YANKEE	NRC	POS	Pri: 1A Sec: Ter:	Routine Plant Operations Appropriate control of safety system alignments, implementation of Technical Specification required actions, and adequate operability reviews for degraded equipment were observed during routine control room tours.
08/01/1999	1999006	Pri: OPS Sec: 05000271 VERMONT YANKEE	NRC	POS	Pri: 1A Sec: 2A Ter:	Safety System Walkdown - Reactor Core Isolation Cooling System The reactor core isolation cooling system was properly aligned to support system operability and no concerns were identified during an NRC walkdown of the system.
06/20/1999	1999005	Pri: OPS Sec: 05000271 VERMONT YANKEE	NRC	POS	Pri: 3A Sec: 3C Ter:	Individual control rod scram time testing Good preparation and personnel performance were observed during individual control rod scram time tests on May 25. The pre-job briefing placed appropriate emphasis on the need for good communications, verification of critical steps, and lessons learned from operating experience. Good communication was observed during the second party verification for jumper installation and individual rod scram switch selection.
06/20/1999	1999005	Pri: OPS Sec: 05000271 VERMONT YANKEE	NRC	POS	Pri: 5A Sec: 5B Ter:	Observation of routine plant operations Control room operators were conversant regarding the status of plant equipment and the conditions resulting in alarmed control room annunciators. Equipment deficiencies were adequately addressed through use of the corrective action program or work order request process.
05/09/1999	1999003	Pri: OPS Sec: 05000271 VERMONT YANKEE	NRC	POS	Pri: 1A Sec: Ter:	Observation of routine plant operations Appropriate control of safety system alignments, implementation of Technical Specification (TS) required actions, and adequate operability reviews for degraded equipment were noted during routine control room tours.
05/09/1999	1999003	Pri: OPS Sec: 05000271 VERMONT YANKEE	NRC	POS	Pri: 1A Sec: Ter:	Observation of routine plant operations Shift supervision exercised conservative judgement by delaying a test of the standby liquid control system when the high pressure coolant injection system was inoperable.

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By Primary Functional Area / Issue Date

Region 1
VERMONT YANKEE

Date	Source	Functional Area	ID	Typo	Template Codes	Item Title Item Description
05/09/1999	1999003-01	Pri: OPS Sec:	NRC	NCV	Pri: 1C Sec: 4C Ter:	Inadequate surveillance procedure allows delay in implementation of TS required actions The NRC identified that a licensee procedure permitted a 24-hour delay in implementing TS requirements if missed or inadequate surveillance procedures were discovered. VY subsequently took interim actions to prevent this practice. The failure to provide an adequate procedure for surveillance testing is a violation of TS 6.5, Plant Operating Procedures. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy.
Dockets Discussed: 05000271 VERMONT YANKEE						
05/28/1999	1999-302	Pri: OPS Sec:	NRC	LIC	Pri: 1C Sec: Ter:	Reactor operator initial examination report Overall, the as-submitted examination materials were acceptable. Few changes to the proposed exam were requested by the NRC staff. Two questions were replaced and six questions were revised to meet the examination standards. Additionally, the operating test contained two administrative job performance measures which needed to be replaced. Facility personnel agreed with the written and operating test comments and subsequently incorporated them adequately in the final exam. (from Inspection Report 99-302)
Dockets Discussed: 05000271 VERMONT YANKEE						
05/28/1999	1999-302	Pri: OPS Sec:	NRC	LIC	Pri: 3B Sec: Ter:	Reactor operator initial examination report Two reactor operator applicants were administered initial licensing exams. One applicant was administered only the written examination, as all other portions of the exam were previously passed and were waived for this exam. Both reactor operator applicants passed the examination. (from Inspection Report 99-302)
Dockets Discussed: 05000271 VERMONT YANKEE						
03/28/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 1A Sec: Ter:	Observation of routine plant operations Appropriate control of safety system alignments, implementation of Technical Specification (TS) required actions, and adequate operability reviews for degraded equipment were observed during routine control room tours.
Dockets Discussed: 05000271 VERMONT YANKEE						
03/28/1999	1999002	Pri: OPS Sec:	NRC	POS	Pri: 2A Sec: Ter:	Torus level instrumentation operator workload VY completed the installation and testing of new torus narrow range level indication. The improved instrumentation eliminated the need for restrictive administrative controls that had been used to compensate for instrument uncertainty. This modification effectively eliminated a long standing operator workload
Dockets Discussed: 05000271 VERMONT YANKEE						
03/28/1999	1999002-01	Pri: OPS Sec:	Licensee	NCV	Pri: 5A Sec: 5C Ter:	Failure to perform IST as required by ASME Code VY properly identified, evaluated, and resolved an inservice test procedure deficiency associated with the core spray pump discharge check valves. Prompt actions were taken to demonstrate operability of the valves and inservice test program documentation changes have been initiated. The past failure to perform inservice testing in accordance with the ASME Code is a violation of TS requirements. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. This violation is in the licensee's corrective action program as Event Report (ER) 99-0318 (NCV 50-271/99-02-01).
Dockets Discussed: 05000271 VERMONT YANKEE						
03/28/1999	1999002-02	Pri: OPS Sec:	NRC	NCV	Pri: 1A Sec: Ter:	Failure to maintain diesel generator exhaust fan control setting as required by procedure. Technical Specification 6.5 requires adherence to procedures for operation of plant equipment. Operations procedure OP-2126, "Diesel Generator," specifies settings for the exhaust fan control. RATS-1A. Contrary to the above, on January 5, 1999, the NRC found that the high temperature setpoint of RATS-1A was at the incorrect setting. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. This violation is in the licensee's corrective action program as ER 99-0020 (NCV 50-271/99-02-02).
Dockets Discussed: 05000271 VERMONT YANKEE						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region 1
VERMONT YANKEE

Date	Source	Functional Area		ID	Type	Template		Item Title	Item Description
		Pri:	Sec:			Codes	Codes		
02/14/1999	1999001	Pri: OPS	Sec:	NRC	NEG	Pri: 5B	Sec:	Routine plant operations	On two occasions, VY operators did not document a basis for leaving degraded safety-related components in service. After NRC discussions with VY management, appropriate actions were taken. No violations of Technical Specification action requirements occurred and VY has initiated corrective actions to address deficiencies in the procedural guidance for making operability determinations.
Dockets Discussed: 05000271 VERMONT YANKEE									
02/14/1999	1999001	Pri: OPS	Sec:	NRC	POS	Pri: 1A	Sec:	Power reduction in support of maintenance.	Plant operations were well controlled during a planned power reduction for maintenance and a rod pattern exchange. Operators demonstrated good procedure use and formal communications. Reactivity manipulations and a recirculation pump start were done methodically.
Dockets Discussed: 05000271 VERMONT YANKEE									
01/28/1999	1999301	Pri: OPS	Sec:	NRC	POS	Pri: 3B	Sec:	Reactor Operator and Senior Reactor Operator Initial Exams	Five RO applicants and two SRO applicants were administered initial licensing exams. One RO applicant failed the written examination but passed the other portions of the exam. All other applicants successfully passed all portions of the exam.
Dockets Discussed: 05000271 VERMONT YANKEE									
01/28/1999	1999301	Pri: OPS	Sec:	NRC	POS	Pri: 3B	Sec:	Reactor Operator and Senior Reactor Operator Initial Exams	Overall, the as-submitted examination materials were acceptable. However, three alternate path job performance measures (JPMs) did not meet the guidelines of the Examination Standards. Facility staff subsequently prepared acceptable replacement JPMs. Facility staff also modified written exam questions to eliminate questions with two correct answers. The proposed simulator scenarios were acceptable.
Dockets Discussed: 05000271 VERMONT YANKEE									
01/04/1999	1998014	Pri: OPS	Sec:	NRC	NEG	Pri: 4C	Sec:	Administrative Control of Manual Containment Isolation Valves	VY failed to recognize that their long standing practice of allowing manual containment isolation valves to be opened under administrative controls was in conflict with the TS. A November 1998 procedure change was weak because it invoked this practice for draining the torus and was a missed opportunity to identify the problem. VY's practice did not compromise plant safety and the licensee promptly submitted a TS change to correct the problem.
Dockets Discussed: 05000271 VERMONT YANKEE									
01/04/1999	1998014	Pri: OPS	Sec:	NRC	NEG	Pri: 5B	Sec:	Area Radiation Monitor Power Supply Failure	VY was slow to pursue corrective action for an NRC-identified deficiency that potentially affected the operability of a TS-required instrument providing input to the reactor building ventilation isolation system. Once initiated, VY's corrective action was prompt and adequately resolved the degraded condition.
Dockets Discussed: 05000271 VERMONT YANKEE									
11/21/1998	1998013	Pri: OPS	Sec:	NRC	NEG	Pri: 2A	Sec:	Shutdown due to Balance-of-plant equipment problems	VY identified a degrading steam leak on a main steam line drain pot gasket. Plant management was involved in assessing the situation and establishing an appropriate course of action. Operators performed well during the reactor shutdown and startup associated with the forced maintenance outage and there were no significant operational challenges.
Dockets Discussed: 05000271 VERMONT YANKEE									

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Region 1
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
11/21/1998	1998013	Pri: OPS Sec:	NRC	NEG	Pri: 3A Sec: 3C Ter:	Human performance issues and weakness in attention to detail. Human performance issues and weakness in attention to detail were identified through NRC inspections and self-revealing events. However, in one instance the questioning attitude of an equipment operator prevented VY from missing a TS required surveillance. These examples of human performance were discussed with VY management and are being evaluated as part of broader effort to improve performance. No safety related equipment was effected and no violations of NRC requirements were identified.
Dockets Discussed: 05000271 VERMONT YANKEE						
10/10/1998	1998012	Pri: OPS Sec:	NRC	STR	Pri: 1C Sec: 3B Ter:	Licensed operator requalification training program (LORT) A licensed operator requalification program inspection found that VY developed acceptable operating exams which included an appropriate sampling of knowledge and performance areas. The training staff objectively assessed operator performance for one crew and the inspectors agreed with the VY evaluators' conclusion regarding the results of the observed examination.
Dockets Discussed: 05000271 VERMONT YANKEE						
08/01/1999	1999006	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: Ter:	Maintenance and Material Condition of Facilities and Equipment The NRC identified several material deficiencies on the two emergency diesel generators. Although the deficiencies had not affected operability, they collectively demonstrated that prior maintenance activities were not well controlled and that routine monitoring of the equipment's condition was not sufficient. Individual corrective actions have been completed and VY is evaluating a systemic approach to prevent repeat problems.
Dockets Discussed: 05000271 VERMONT YANKEE						
08/01/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Maintenance Observations The observed maintenance activities were performed well. Good radiological protection department support was noted during work on two main turbine stop valves located in a high radiation area.
Dockets Discussed: 05000271 VERMONT YANKEE						
08/01/1999	1999006	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 5A Ter:	Surveillance Observations Surveillance activities observed during this inspection were performed well. VY's early identification of degradation on several AS-2 battery cells demonstrated a good attention to detail during the routine surveillance. All of the surveillance criteria were met and the AS-2 battery remains operable.
Dockets Discussed: 05000271 VERMONT YANKEE						
08/11/1999	1999012	Pri: MAINT Sec:	NRC	NEG	Pri: 2P Sec: Ter:	Maintenance Rule Periodic Assessment The evaluation of several SSCs including some risk significant SSCs were not documented in the periodic assessment and it is indicated a lack of attention to maintenance rule activities.
Dockets Discussed: 05000271 VERMONT YANKEE						
08/11/1999	1999012	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Maintenance Rule Periodic Assessment The evaluation of risk significant (a)(1) and (a)(2) structures, systems and components (SSCs) that were reviewed by the inspector were done in a satisfactory manner.
Dockets Discussed: 05000271 VERMONT YANKEE						

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Region 1
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
08/11/1999	1999012-01	Pri: MAINT Sec:	NRC	VIO IV	Pri: 2B Sec: Ter:	Failure to balance reliability and unavailability in the periodic evaluation required 10 CFR 50.65(a)(3). Monitoring of equipment performance during the refueling outage from March 21, 1998 to May 31, 1998 was not adequate to assess maintenance effectiveness or to balance reliability and unavailability for a number of risk significant SSCs. This was a violation of NRC requirements. The violation was cited because it was identified by the NRC and could have reasonably been prevented by corrective actions for a previous violation. Also, the violation was not placed into the corrective action program.
Dockets Discussed: 05000271 VERMONT YANKEE						
06/20/1999	1999005	Pri: MAINT Sec:	NRC	NEG	Pri: 1C Sec: 3C Ter: 3A	Observation of Instrument and Control Maintenance Activities Several examples of poor work practices and informal work controls were noted during a week long observation of Instrument and Controls (I&C) maintenance. VY relies strongly on the skill-of-the-craft, versus detailed work plans or procedures. The level of knowledge, training, and experience of the I&C staff were good. The weaknesses noted during this inspection did not appear to reduce the overall effectiveness of the observed maintenance activities.
Dockets Discussed: 15000271 VERMONT YANKEE						
06/20/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 1C Sec: 3A Ter:	Maintenance observations Routine maintenance activities this period involving the high pressure coolant injection (HPCI) and service water system were adequately completed. A gasket for the HPCI exhaust line rupture disk was not properly installed, but was identified during the post maintenance test. This maintenance performance issue was entered in VY's corrective action process. Equipment unavailability time was tracked in accordance with VY's program for evaluating the effectiveness of maintenance.
Dockets Discussed: 05000271 VERMONT YANKEE						
06/20/1999	1999005	Pri: MAINT Sec:	NRC	POS	Pri: 5C Sec: Ter:	I & C Corrective Action and Maintenance Backlog Review Active management of the I&C corrective action and maintenance backlog was evident, in that the number of safety-related and environmentally qualified items in the backlog was low. The inspector concluded that, although the I&C backlog had increased over the last 12 months, backlog items had been appropriately prioritized.
Dockets Discussed: 05000271 VERMONT YANKEE						
05/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Surveillance observations The surveillance testing performed on a core spray sub-system, an emergency diesel generator, and the standby liquid control system were performed in accordance with plant procedures and satisfied Technical Specification requirements. The equipment was appropriately returned to standby alignment following the testing.
Dockets Discussed: 05000271 VERMONT YANKEE						
05/09/1999	1999003	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 3C Ter:	Maintenance observations Good preparation and implementation were observed during corrective maintenance on a reactor protection system (RPS) relay. Maintenance personnel used a shop mock-up to review the work plan, exercised appropriate precautions to preclude impacts on the remaining RPS channels, and completed the work in a timely manner.
Dockets Discussed: 05000271 VERMONT YANKEE						
05/09/1999	1999003-02	Pri: MAINT Sec:	NRC	IFI	Pri: 2B Sec: Ter:	Maintenance Rule corrective action for feedwater minimum flow valves The licensee implemented the maintenance rule monitoring activities required for several equipment failures associated with the June 9, 1998 reactor scram. Contributing to this event was a feedwater pump minimum flow valve failure; the minimum flow function has been the subject of a performance improvement plan since 1997. An inspector follow-up item was opened to review the effectiveness of VY's most recent revisions to the improvement plan corrective actions.
Dockets Discussed: 05000271 VERMONT YANKEE						

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region 1
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title	Item Description
03/25/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Surveillance observations	The surveillance activities observed during this period were correctly performed. Good procedure use and attention to detail were noted during tests of the high pressure coolant injection (HPCI) system's isolation instrumentation.
Dockets Discussed: 05000271 VERMONT YANKEE							
03/28/1999	1999002	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 2B Ter:	Maintenance observations	The maintenance activities observed during this period were performed well. Workers demonstrated appropriate foreign material exclusion precautions during maintenance on the reactor core isolation cooling (RCIC) system. Administrative problems were noted with a work package for maintenance on the standby gas treatment system (SBGT), but they did not affect the quality of the work. Modification work to the switchgear and cable vault fire suppression systems were appropriately supported by system engineering.
Dockets Discussed: 05000271 VERMONT YANKEE							
03/28/1999	1999002	Pri: MAINT Sec:	Licensee	POS	Pri: 5A Sec: Ter:	EDG heat exchanger/service water expansion joint	NRC questions concerning a degraded service water connection to the "B" emergency diesel generator were adequately addressed by VY through the corrective action process. In reviewing this issue, VY identified that the subject service water expansion joints were elongated beyond their design limit. An operability determination was developed to address the problem for the short term, but a modification to the piping and/or replacement of the connections is anticipated as the final corrective action.
Dockets Discussed: 05000271 VERMONT YANKEE							
03/28/1999	1999002-03	Pri: MAINT Sec:	Licensee	NCV	Pri: 2B Sec: Ter:	Inadequate procedures for 1996 MSIV repairs	Technical Specification 6.5 requires detailed procedures be prepared, approved, and adhered to for corrective maintenance. Contrary to the above, VY failed to provide adequate procedures for maintenance (weld repairs) of main steam isolation valves during the 1996 refueling outage. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. This violation is in the licensee's corrective action program as ER 98-0476 (NCV 50-271/99-02-03).
Dockets Discussed: 05000271 VERMONT YANKEE							
02/14/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Maintenance observations and findings	The maintenance activities observed during this period were performed well. Workers demonstrated appropriate radiological control techniques and received appropriate RP coverage. Procedural requirements for foreign material exclusion were adhered to and no significant performance deficiencies were noted.
Dockets Discussed: 05000271 VERMONT YANKEE							
02/14/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Surveillance observations	The surveillance activities observed during the period were correctly performed. Test activities were well controlled and coordinated by the control room operators.
Dockets Discussed: 05000271 VERMONT YANKEE							
02/14/1999	1999001	Pri: MAINT Sec:	NRC	POS	Pri: 5A Sec: 5B Ter: 5C	Control rod drive pump maintenance rework	Rework of the "B" control rod drive (CRD) pump following an overhaul was the result of unforeseen test equipment limitations. The alignment tolerances required for a new style of pump bushings had not been recognized by the pump vendor or VY, and exceeded the limitations of the alignment tool. VY appropriately resolved this issue and subsequent pump performance has been satisfactory.
Dockets Discussed: 05000271 VERMONT YANKEE							

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

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Region I
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
01/04/1999	1998014	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: Ter:	Residual Heat Removal Service Water Pump "C" Low Differential Pressure The "C" residual heat removal service water pump failed inservice test acceptance criteria for differential pressure on two occasions. Although immediate corrective actions restored acceptable performance, VY developed an operability justification to address the degradation that was observed. The operability justification was adequate and VY management placed priority on the resolution of this degraded condition.
Dockets Discussed: 05000271 VERMONT YANKEE						
01/04/1999	1998014	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Surveillance Observations The surveillance activities observed during the period were correctly performed. Test activities were well controlled and coordinated by the control room operators.
Dockets Discussed: 05000271 VERMONT YANKEE						
01/04/1999	1998014	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Maintenance Rule Implementation Review VY's approach to the Maintenance Rule requirements for assessing the effects of out-of-service equipment on overall safety functions is consistent with NRC-accepted guidance. However, implementing procedures lacked positive confirmation that alternatives to the pre-analyzed work had been evaluated in accordance with the program expectations.
Dockets Discussed: 05000271 VERMONT YANKEE						
01/04/1999	1998014	Pri: MAINT Sec:	NRC	POS	Pri: 2B Sec: Ter:	Maintenance Rule Implementation Review VY's methods for acquiring Maintenance Rule performance monitoring data are generally effective. However, the recording of unplanned equipment outages and the screening of Maintenance Rule-related Event Reports are two areas where the accurate collection of data may be challenged.
Dockets Discussed: 05000271 VERMONT YANKEE						
01/04/1999	1998014	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: 3C Ter: 2B	Maintenance Observations The maintenance activities observed during this period were performed well. Workers demonstrated appropriate radiological control and foreign material exclusion control techniques. Good supervisory oversight, system engineering involvement, and radiological protection support were observed. No significant deficiencies were noted.
Dockets Discussed: 05000271 VERMONT YANKEE						
01/04/1999	1998014-01	Pri: MAINT Sec:	Licensee	NCV	Pri: 3A Sec: 2B Ter:	Standby Gas Treatment System Maintenance Maintenance personnel initiated work on the wrong standby gas treatment system filter train and caused the entire system to be inoperable for a short period of time. The error was identified by the licensee and appropriate corrective actions were initiated, including a Maintenance department work stand down. The workers' failure to follow the maintenance procedure is a violation of TS 6.5 and this issue was treated as a non-cited violation.
Dockets Discussed: 05000271 VERMONT YANKEE						
01/04/1999	1998014-02	Pri: MAINT Sec:	Licensee	NCV	Pri: 1A Sec: 2B Ter:	HPCI Steam Line Low Pressure Isolation Instrument Channel Inoperable VY identified that a pressure switch for the HPCI steam supply isolation logic had been isolated during corrective maintenance and had not been properly returned to service. Because the switch had been depressurized, the low steam line pressure isolation would have functioned, if required. The failure to follow maintenance procedures was determined to be a Non-cited violation based on an assessment of the safety significance of the condition and VY's corrective actions.
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VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title	Item Description
01/04/1999	1998014-03	Pri: MAINT Sec:	Self	IFI	Pri: 2A Sec: 5B Ter:	Motor-operated Valve Torque Switch Failure	Primary containment isolation valve HPCI-16 failed to stroke closed during an inservice test due to the failure of the torque switch in its motor actuator. Appropriate immediate actions were taken in response to the test failure, a good evaluation was made to assess the generic implications of the problem and the failed torque switch was replaced. Although the failure could have prevented full seating of the valve, the valve would have closed enough to mitigate a high energy line break event. An inspector followup item was initiated to track NRC review of VY's final disposition of this issue.
11/21/1998	1998013	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: Ter:	Residual heat removal service water pump failure.	The "C" RHRSW pump failed a quarterly surveillance test and surveillance testing of the redundant pumps revealed acceptable, although marginal, performance. Corrective maintenance on the "C" RHRSW pump was successful based on the post maintenance test results. VY demonstrated a good safety perspective by initiating plans to perform near term preventive maintenance on the remaining pumps.
11/21/1998	1998013	Pri: MAINT Sec:	NRC	NEG	Pri: 2B Sec: Ter:	Main turbine hydraulic control system maintenance	Inadequate post-maintenance testing of the main turbine control system during the 1988 refueling outage led to an operational problem after startup and a forced maintenance outage. Troubleshooting activities were methodical and well planned. VY management is integrating the lessons learned from this event with the corrective actions being developed in response to previously identified maintenance oversight and control weaknesses.
11/21/1998	1998013	Pri: MAINT Sec:	NRC	POS	Pri: 3A Sec: Ter:	Surveillance observations	The surveillance activities observed during the period were correctly performed. Test activities were well controlled and coordinated by the control room operators.
11/21/1998	1998013	Pri: MAINT Sec:	NRC	POS	Pri: 3B Sec: 3A Ter:	Maintenance observations	Maintenance activities observed during this period were performed well. Workers in the drywell demonstrated appropriate radiological control techniques and were proficient at using test equipment and performing component reassembly under difficult conditions. Close supervisory involvement and QA support were observed during the service water pump replacement.
11/21/1998	1998013-01	Pri: MAINT Sec:	Licensee	NCV	Pri: Sec: Ter:	HPCI and RCIC Systems low steam supply pressure isolation function bypassed during start-up, contrary to	Since the high steam flow and high steam line space temperatures were available to provide the PCIS function, the inspector did not consider use of this bypass a significant safety issue. Appropriate short term corrective actions were promptly taken, including a revision to eliminate the procedural guidance that allowed use of the bypass switch. Non-repetitive, licensee-identified, and corrected violation is a non-cited violation, consistent with Section VII B.1 of NRC Enforcement Policy
10/10/1998	1998012	Pri: MAINT Sec:	NRC	MISC	Pri: 3C Sec: 2B Ter: 3B	Conduct of maintenance	Maintenance activities were adequately controlled by the general instructions provided in work orders and procedures. Based on the activities observed, VY relies heavily on the knowledge and training of its workforce since the written instructions contain little detail. Post maintenance testing and surveillance activities demonstrated that the equipment was properly restored and operable.

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Region 1
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
10/10/1998	1998012	Pri: MAINT Sec:	NRC	NEG	Pri: 2A Sec: 5B Ter:	Directional control valve/scram valve mechanical interference VY responded promptly to eliminate an NRC-identified mechanical interference between the solenoid for a directional control valve and the inlet scram valve on one hydraulic control unit (HCU). VY determined that the solenoid could have been damaged by operation of the scram valve, but, the operability of the HCU was not affected. VY developed appropriate long term corrective action.
Dockets Discussed: 05000271 VERMONT YANKEE						
08/01/1999	1999006	Pri: ENG Sec:	NRC	POS	Pri: 4B Sec: Ter:	Review of Actions to Address High Ambient Temperature VY engineering effectively supported plant operations by identifying measures to reduce the operational impact from high ambient temperatures during the summer of 1999.
Dockets Discussed: 05000271 VERMONT YANKEE						
08/01/1999	1999006	Pri: ENG Sec:	Licensee	POS	Pri: 5A Sec: Ter:	Design Basis Calculation for Torus Vacuum Breakers VY identified that an existing design basis calculation for the torus-to-reactor building vacuum breakers was inconsistent with the current plant configuration. Initial VY evaluation concluded that this inconsistency could have created a condition outside the plant's design basis, and the issue was conservatively reported to the NRC under 10 CFR 50.72. Pending re-analysis, VY demonstrated that the vacuum breakers were operable under the existing plant conditions. VY subsequently concluded that the vacuum breakers met their design basis under all conditions, and the initial NRC notification was retracted.
Dockets Discussed: 05000271 VERMONT YANKEE						
08/01/1999	1999006-02	Pri: ENG Sec:	NRC	NCV	Pri: 4A Sec: Ter:	Inadequate Design Control for Torus-to-Reactor Building Vacuum Breaker Modification However, VY's failure to revise the limiting case analysis for containment depressurization to reflect a design change (during plant construction) was a violation of 10 CFR 50, Appendix B, Criterion III, "Design Control." This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. The issue was entered in VY's corrective action program as ER 99-0773.
Dockets Discussed: 05000271 VERMONT YANKEE						
06/20/1999	1999005-02	Pri: ENG Sec:	NRC	NCV	Pri: Sec: Ter:	Inadequate operating procedure for the Alternate Cooling System. The NRC identified that the operating procedure for the alternate cooling system (ACS) contained insufficient guidance to ensure that all ACS design functions could be accomplished. The failure to provide an adequate procedure for operation of this system is a violation of Technical Specification 6.5, "Plant Operating Procedures." The safety impact of this problem was minimal since the spent fuel pool had been analyzed up to 200 F, and sufficient time would have been available for the emergency response organization to provide guidance during an actual event requiring ACS operation. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. The issue was entered in VY's corrective action program as ER 99-0658.
Dockets Discussed: 05000271 VERMONT YANKEE						
06/20/1999	1999005-03	Pri: ENG Sec:	NRC	NCV	Pri: 4A Sec: 1C Ter:	Inadequate control of purchased engineering services. VY failed to provide adequate quality assurance controls for purchased engineering design services associated with the scram discharge volume drain valves installed during the 1998 refueling outage. As a result, the inadequate vendor supplied design was not identified and the valves failed while in service. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy. This violation was entered in VY's corrective action program as ER 98-2201.
Dockets Discussed: 05000271 VERMONT YANKEE						
05/09/1999	1999003-03	Pri: ENG Sec:	NRC	NCV	Pri: 2B Sec: 5B Ter:	Missed ASME pre-service inspection of MSIV In May 1998, VY identified an inspection was not performed of a valve repair using the examination method required by the ASME Code. VY did use an alternative examination method, but the approval required by the ASME Code was not obtained prior to returning the valve to service. VY's failure to follow the ASME Code requirement was reported in LER 98-018 as a violation of TS 4.6 E and was entered into the licensee's corrective action system. This Severity Level IV violation is being treated as a Non-Cited Violation, consistent with Appendix C of the NRC Enforcement Policy.
Dockets Discussed: 05000271 VERMONT YANKEE						

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Region 1
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title	Item Description
03/28/1999	1999002	Pri: ENG Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	NEG	Pri: 2A Sec: Ter:	Standby gas treatment system moisture separator	The NRC identified a potential mechanism for degradation of the standby gas treatment system's moisture separators. VY's examination and testing of the moisture separators, and associated drains, found a sufficient debris accumulation to warrant VY's consideration of periodic cleaning and inspection. Based on the as-found condition of the equipment, there was no concern for operability prior to the cleaning.
02/14/1999	1999001	Pri: ENG Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	POS	Pri: 5C Sec: Ter:	New baseline data for RHR service water pump testing	As short-term corrective action for degraded RHRSW pump performance, VY dis-associated the pump surveillance tests required by the Technical Specifications and the ASME Code. The two separate tests continue to meet regulatory requirements, monitor for further pump degradation, and assure that design basis functions can be accomplished.
02/14/1999	1999001-03	Pri: ENG Sec: Dockets Discussed: 05000271 VERMONT YANKEE	Licensee	URI	Pri: 4A Sec: Ter:	Design Control for RHRSW System Model	VY identified an error in the RHRSW system model that effects the calculated available net positive suction head (NPSH). As a result, the alternate cooling system function (non-accident, safe shutdown) may have been degraded. Current operability was addressed. An unresolved item was opened pending information on the flow model adequacy and the impact of the NPSH error on past capabilities.
01/04/1999	1998014	Pri: ENG Sec: Dockets Discussed: 05000271 VERMONT YANKEE	Self	NEG	Pri: 4C Sec: Ter:	Implementation of GL 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Opera	Design-basis thrust calculations for two MOVs were not revised to reflect dynamic test information, resulting in the calculations not reflecting the actual plant configuration. This condition was an example of poor configuration management.
01/04/1999	1998014	Pri: ENG Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	POS	Pri: 2B Sec: Ter:	Implementation of GL 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Opera	Positive aspects of the GL 96-05 periodic verification program for motor-operated valves were observed, including (1) development of more efficient test techniques, (2) implementation of a motor test program, and (3) an aggressive motor-actuator lubrication and refurbishment schedule. However, several critical aspects of the periodic verification program, such as program documentation and MCV performance degradation rates were as yet undeveloped.
11/21/1998	1998013-03	Pri: ENG Sec: Dockets Discussed: 05000271 VERMONT YANKEE	Licensee	NCV	Pri: Sec: Ter:	Inadequate design control for blowout panel mechanism.	VY identified that two reactor building blowout panels would relieve at a lower internal pressure than specified in the design for high energy line breaks and tornado mitigation. Since the deficiency resulted in a conservative response to these events, the condition did not place the plant outside its design basis. Licensee-identified and corrected deficiency design control error was dispositioned as a non-cited violation, consistent with NRC Enforcement Policy.
10/10/1998	1998012-02	Pri: ENG Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	IF!	Pri: 5A Sec: 5B Ter:	Potential for post-LOCA reactor building pressurization	VY engineers identified a scenario which could result in post-LOCA pressurization of the secondary containment and this apparently was not evaluated in the original licensing basis. Preliminary VY evaluations indicate that pressurization would occur, but the analyses were not finalized because the VY licensing department concluded that secondary containment pressurization was not part of VY's original licensing basis. This issue requires further NRC evaluation and will be tracked as an inspector follow-up item.

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By Primary Functional Area / Issue Date

Region I
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title	Item Description
08/01/1999	1999006	Pri: PLTSUP Sec:	NRC	NEG	Pri: 5A Sec: Ter:	Contamination Control Practices	Several conditions that could have spread contamination or indicated a change in radiological conditions were identified during routine NRC plant walkdowns. Although no actual contamination issues resulted, the inspector considered that the conditions had likely existed long enough to have previously been identified by VY plant personnel.
Dockets Discussed: 05000271 VERMONT YANKEE							
06/20/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radiological Protection and Chemistry	The licensee maintained their Radiological Environmental Monitoring Program (REMP) in an effective manner with respect to sampling, analyzing, and reporting per their Offsite Dose Calculation Manual (ODCM) and in conducting safety reviews to properly bound unmonitored release pathways through 10 CFR 50.59 analysis.
Dockets Discussed: 05000271 VERMONT YANKEE							
06/20/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Calibration of Effluent/Process Radiation Monitoring Systems	The licensee maintained their REMF related equipment in an effective manner with respect to calibration on air samplers and the primary and secondary meteorological towers.
Dockets Discussed: 05000271 VERMONT YANKEE							
06/20/1999	1999005	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: 5C Ter: 1C	Quality Assurance in PR & C Activities	The licensee established, implemented, and maintained an effective quality assurance program for the REMF through QA audits of the contractor laboratory, intra-laboratory comparisons by the contractor laboratory, and performance-based self-assessments.
Dockets Discussed: 05000271 VERMONT YANKEE							
04/28/1999	1999004	Pri: PLTSUP Sec:	NRC	NEG	Pri: 1C Sec: Ter:	Activation of Technical Support Center	While activation of the TSC was completed within 50 minutes of the alert declaration, initial administrative duties performed by the TSC coordinator could result in an untimely activation should an event occur during off-hours when Emergency Response Organization members are coming from offsite.
Dockets Discussed: 05000271 VERMONT YANKEE							
04/28/1999	1999004	Pri: PLTSUP Sec:	NRC	NEG	Pri: 2A Sec: Ter:	Degraded condition of air monitor in TSC/OSC	The continuous air monitor used in the Technical Support Center/Operations Support Center operated in a degraded condition during the exercise but was operable. The licensee acknowledged problems with the operation of the monitor during the exercise and initiated action within its corrective action system to prevent recurrence of the problems.
Dockets Discussed: 05000271 VERMONT YANKEE							
04/28/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Overall licensee performance	Overall licensee performance during this exercise was good as the Emergency Response Organization demonstrated that it could implement the emergency plan. Facilities were activated in a timely manner, classifications and notifications were accurate and timely, and Protective Action Recommendation's were appropriate.
Dockets Discussed: 05000271 VERMONT YANKEE							

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Region 1
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
04/28/1999	1999004	Pri: PLTSUP Sec:	NRC	POS	Pri: 5A Sec: Ter:	Critique of EP Exercise During the critique, the licensee identified issues in addition to the ones identified by the inspectors. Positive and negative items were noted. Overall, the critique was thorough and appropriately self-critical.
Dockets Discussed: 05000271 VERMONT YANKEE						
03/28/1999	1999002	Pri: PLTSUP Sec:	NRC	POS	Pri: 2A Sec: Ter:	Emergency Diesel Generator Sprinkler Systems On February 25, 1999, VY completed modifications to the Emergency Diesel Generator rooms' sprinkler systems that increased the gallons-per-square foot coverage. The manual sprinkler system had been degraded, but functional, since August 1997 because it could not provide the water density described in the VY licensing basis. The modifications provided a good resolution by restoring the original design capacity.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Radiation protection program performance VY established and implemented an effective external and internal exposure control program. There were no significant radiation exposures and VY met its major occupational exposure goals for 1998. VY was initiating action to replace its electronic dosimeters to improve personnel exposure monitoring.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Applied radiological controls VY implemented generally effective applied radiological controls. High radiation area access controls were implemented in accordance with procedures and general radiation protection program practices and procedures (e.g., posting, barricading, and access controls) were appropriately implemented. Station areas reflected generally good contamination controls practices. The areas were generally clean and equipment was neatly stored. Areas for improvement were identified in the area of radioactive source storage and control and monitoring of RCA egress points.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Conduct of security and safeguards activities VY Security activities involving alarm stations, communications, and access control for personnel and packages were conducted well. This portion of the program, as implemented, met the licensee's commitments and NRC requirements.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Quality Assurance in RP & C Activities VY implemented generally effective self-assessments, surveillances, and audits of radiation protection program activities.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Status of security facilities and equipment Security facilities and equipment associated with the protected area assessment aids, protected area detection aids, and personnel search equipment were determined to be well maintained and reliable. The equipment was capable of meeting the licensee's commitments and NRC requirements.
Dockets Discussed: 05000271 VERMONT YANKEE						

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Region 1

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Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security and Safeguards Procedures and Documentation Security procedures and documentation were properly implemented. Event logs were properly maintained and effectively used to analyze, track, and resolve safeguards events.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security and Safeguards Staff Knowledge and Performance The security force members demonstrated the requisite knowledge to effectively implement the duties and responsibilities of their positions.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security and Safeguards Staff Training and Qualification Security training was conducted in accordance with the Training and Qualification Plan, and based on inte. views, and inspector observations, the training was considered effective.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Security Organization and Administration VY management support was adequate to ensure effective implementation of the security program, and was evidenced by adequate staffing levels and the allocations of resources to support programmatic needs.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	NRC	POS	Pri: 1C Sec: Ter:	Quality Assurance in Security and Safeguards Activities VY's Security audit program was comprehensive in scope and depth, the audit findings were reported to the appropriate level of management, and the program was being properly administered. In addition, a review of the documentation applicable to the self-assessment program indicated that the program was being effectively implemented to identify and resolve potential weaknesses.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001	Pri: PLTSUP Sec:	Licensee	POS	Pri: 5B Sec: Ter:	Fire Systems Out of Service for Greater Than 14 Days VY's response to industry information on inadvertent fire protection system actuations was thorough and identified a potential problem with the timing modules used in several systems at the station. The special report and compensatory actions required by Technical Specifications were completed. Fire detection systems remained operable and the measures taken by VY to support the manual use of the CO2 systems, if required, were considered prudent.
Dockets Discussed: 05000271 VERMONT YANKEE						
02/14/1999	1999001-04	Pri: PLTSUP Sec:	NRC	URI	Pri: 1C Sec: Ter:	Impact of Decommissioning and Dose Potential of Residual Onsite Contamination VY was reviewing and updating its 10 CFR 50.75(g) file for adequacy and completeness relative to 10 CFR 50.75(f) decommissioning cost estimates. In some cases, documentation was not sufficiently detailed to fully assess some locations with respect to the requirements of 10 CFR 50.75 relative to its impact on decommissioning. Document evaluations of potential onsite or offsite dose consequences for two onsite areas exhibiting residual contamination had not been prepared as of the time of the inspection. VY expected to complete appropriate dose assessments on or about March 15, 1999, for these areas. Based on data from the ongoing environmental monitoring program, there is no evidence that any of the residual radioactivity has resulted in any dose consequences. The adequacy of records maintained in accordance with 10 CFR 50.75 and the preparation of appropriate evaluations, relative to: 10 CFR 20.1501, for residual contamination is an unresolved item.
Dockets Discussed: 05000271 VERMONT YANKEE						

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PLANT ISSUE MATRIX

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IR Report 3

Region I
VERMONT YANKEE

Date	Source	Functional Area	ID	Type	Template Codes	Item Title Item Description
11/21/1998	1998013	Pri: PLTSUP Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	POS	Pri: 2B Sec: Ter:	Calibration of radiation and hydrogen/oxygen monitoring systems The licensee established, implemented, and maintained an effective radiation monitoring system calibration program, including flow rate measurement systems. As a result of self-assessment initiatives, the licensee implemented efforts to improve radiation monitoring system reliability. The licensee also established and implemented an effective hydrogen/oxygen monitor calibration program.
11/21/1998	1998013	Pri: PLTSUP Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	POS	Pri: 2B Sec: Ter:	Air cleaning systems The licensee established, implemented, and maintained an effective standby gas treatment system surveillance program with respect to charcoal adsorption surveillance tests, HEPA mechanical efficiency tests, and air flow rate tests.
11/21/1998	1998013	Pri: PLTSUP Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	POS	Pri: 5A Sec: 5B Ter:	Radioactive effluent control and effluent sample validation The licensee established, implemented, and maintained an effective quality assurance program for the radioactive effluent control program with respect to audit scope and depth, audit team experience, and response to audit findings. The licensee also implemented an effective quality control program to validate measurement results for radioactive effluent samples.
11/21/1998	1998013	Pri: PLTSUP Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	STR	Pri: 1C Sec: Ter:	Radioactive liquid and gaseous effluent control programs The licensee maintained effective radioactive liquid and gaseous effluent control programs. The Offsite Dose Calculation Manual contained sufficient specification and instruction to acceptably implement and maintain the radioactive liquid and gaseous effluent control programs.
10/10/1998	1998012	Pri: PLTSUP Sec: Dockets Discussed: 05000271 VERMONT YANKEE	NRC	POS	Pri: 1C Sec: 5C Ter:	Security and Safeguards Issues Performance testing of the perimeter intrusion detection system (PIDS), by the licensee and NRC program office personnel, resulted in the appropriate intrusion alarms being generated in all zones tested. In addition, the licensee demonstrated proper searches of packages entering the protected area through the access control point.
10/10/1998	1998012-03	Pri: PLTSUP Sec: Dockets Discussed: 05000271 VERMONT YANKEE	Licensee	NCV	Pri: 5A Sec: 5C Ter:	Degraded 3-hour fire barriers VY initiatives identified several fire barrier penetrations in the plant that were not configured or constructed as designed. These findings were reported in LERs and appropriate programmatic corrective actions are being taken. Although a fire barrier existed in each instance, their 3-hour rating was degraded. These deficiencies, individually or taken together, did not cause a significant degradation of the overall fire protection capabilities.

United States Nuclear Regulatory Commission PLANT ISSUE MATRIX

By Primary Functional Area / Issue Date

Legend

Type Codes:

BU	Bulletin
CDR	Construction
DEV	Deviation
EEI	Escalated Enforcement Item
IFI	Inspector follow-up item
LER	Licensor Event Report
LIC	Licensing Issue
MISC	Miscellaneous
MV	Minor Violation
NCV	Non-Cited Violation
NEG	Negative
NOED	Notice of Enforcement Discretion
NON	Notice of Non-Conformance
OTHR	Other
P21	Part 21
POS	Positive
SGI	Safeguard Event Report
STR	Strength
URI	Unresolved item
VIO	Violation
WK	Weakness

Template Codes:

1A	Normal Operations
1B	Operations During Transients
1C	Programs and Processes
2A	Equipment Condition
2B	Programs and Processes
3A	Work Performance
3B	KSA
3C	Work Environment
4A	Design
4B	Engineering Support
4C	Programs and Processes
5A	Identification
5B	Anal'sis
5C	Resolution

ID Codes:

NRC	NRC
Self	Self-Revealed
Licensor	Licensor

Functional Areas:

OPS	Operations
MAINT	Maintenance
ENG	Engineering
PLTSUP	Plant Support
OTHER	Other

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.

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. A URI may also be a potential violation that is not likely to be considered for escalated enforcement action. 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.

ENCLOSURE 2:

VERMONT YANKEE INSPECTION PLAN THROUGH MARCH 2000

ENCLOSURE 2:

VERMONT YANKEE INSPECTION PLAN THROUGH MARCH 2000

09/28/1999

14:41:40

Enclosure 2

VERMONT YANKEE

Inspection / Activity Plan

10/01/1999 - 03/31/2000

Units	Inspection Activity	Title	Number of NRC Inspectors / Individuals	Planned Dates Start End	Inspection Type
1	IP 81700	Physical Security Program For Power Reactors	1	10/12/1999 10/15/1999	Core
1	IP 73753	Inservice Inspection	1	11/01/1999 11/05/1999	Core
1	IP 83750	Occupational Radiation Exposure	1	11/15/1999 11/19/1999	Core
1	IP 37550	Engineering	1	11/15/1999 11/20/1999	Regional Initiative
1	IP 92902	Followup - Maintenance	1	11/15/1999 11/20/1999	Regional Initiative
1	IP 86750	Solid Radioactive Waste Management And Transportation Of Radioactive Mater	1	01/10/2000 01/14/2000	Core