



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-3415

May 29, 1998

Tennessee Valley Authority
ATTN: Mr. J. A. Scalice, Acting
Chief Nuclear Officer and
Executive Vice President
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: PLANT PERFORMANCE REVIEW (PPR) - WATTS BAR NUCLEAR PLANT

Dear Mr. Scalice:

On May 11, 1998, the NRC staff completed the semiannual Plant Performance Review (PPR) of the Watts Bar Nuclear 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 Watts Bar Nuclear Plant involved the participation of all technical divisions in evaluating inspection results and safety performance information for the period of October 1997 through April 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 Tennessee Valley Authority. 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 Watts Bar Nuclear Plant PPR review. 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 8 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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During this scheduling cycle, we will be focusing some of our discretionary inspection effort on the resolution of open inspection items. Therefore, additional inspections may be conducted, which are not listed on Enclosure 2, to close open inspection items that are ready to be resolved. You will be notified at least 3 weeks prior to the start of these inspections.

The NRC's general policy for reactor inspections is that each inspection shall be announced, except when announcing the inspection could reasonably compromise the objectives of the inspectors. Therefore, some specific inspections, such as in the security and radiological protection areas, are not included on Enclosure 2 and may not be announced.

We will inform you of any changes to the enclosed inspection plan. If you have any questions, please contact Harold O. Christensen at 404-562-4530.

Sincerely,

(Original Signed by H. Christensen)

Harold O. Christensen, Chief
Reactor Projects Branch 6
Division of Reactor Projects

Docket Nos. 50-390, 50-391
License No. NPF-90 and Construction
Permit No. CPPR-92

Enclosures: 1. Plant Issues Matrix
2. Inspection Plan

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cc w/encls continued: See page 3

cc w/encls: Continued
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NRC Resident Inspector
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OFFICE	RII:DRP	RII:DRS	RII:DRS	RII:DRS	RII:DRS	RII:DRS	RII:DRS	
SIGNATURE	<i>[Signature]</i>							
NAME	PTaylor alt	PFredrickson	KLandis	GBell	TPeebles	KBarr		
DATE	5/18/98	5/11/98	5/17/98	5/18/98	5/20/98	5/14/98	5/19/98	5/19/98
COPY?	YES NO	YES NO						



United States Nuclear Regulatory Commission PLANT ISSUES MATRIX

by SALP Functional Area

WATTS BAR

21-May-98

DATE	TYPE(s)	SEC. SFA	SOURCE(s)	ID'd	ISSUE(s)	SMM CODES
OPERATIONS						
3/28/98	NCV	ENG	IR 98-02, LER 97-13	LICENSEE	A non-cited violation was identified for failure to utilize the proper design information for diesel generator room temperature which led to a missed surveillance.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive	SAQV	IR 98-02	NRC	The licensee continues to implement thorough and self-critical approach to problems. Diverse Nuclear Assurance (NA) oversight was noted with some good findings and good performance-based reviews noted. Good interaction was noted at the NA department interface meetings. A good initiative was noted in that self-assessment results were being reviewed by the Management Review Committee.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	The tagout system was well run with only minor administrative problems identified, e.g., nomenclature on tags.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Negative	SAQV	IR 98-02	NRC	An inadvertent main turbine trip signal was initiated due to poor work control by Operations personnel; however, the licensee conducted an adequate evaluation of the problem and initiated appropriate corrective actions.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	URI		IR 98-02	LICENSEE	Independent verification procedure was adequate; two licensee-identified performance issues resulted in an unresolved item.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive	ENG	IR 98-02	NRC	Inspectors found the safety injection system in satisfactory condition. System engineer appeared knowledgeable of the maintenance rule and design change process.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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3/28/98	Positive		IR 98-02	NRC	A plant startup was conducted without error, although some distractions occurred during briefings.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive	MAINT	IR 98-02	SELF	Plant personnel and equipment, with a few minor exceptions involving valve position indication, responded properly to a reactor trip which occurred on March 7, 1998.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	Conduct of Operations was professional and safety-conscious. Good management oversight was noted.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
2/14/98	Strength	SAQV	IR 98-01	NRC	Self-assessment continued to be a strength with good questioning attitude. Good management oversight with emphasis on thorough corrective actions.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
2/14/98	Negative		IR 98-01	NRC	Operator awareness problems: operator unaware of previous shift problem with reactor coolant pump standpipe level; two radiation monitor recorders out of paper.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Negative		IR 98-01	LICENSEE	Lack of attention to detail/questioning attitude led to delay in identifying feedwater heater isolation.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive		IR 98-01	NRC	Walkdown of diesel generator found no problems with alignment and good material condition.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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2/14/98	Positive		IR 98-01	NRC	Control room conduct was generally good. Assistant unit operator's performance was good. Plant evolutions were properly logged with consistency and adequate detail.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1/2/98	Negative		IR 97-10, IFI, IR 98-02	NRC	Licensee could not readily indicate how long-term Technical Specifications tracking only items are addressed. Lack of thorough oversight led to an inaccurate list. Improved oversight was initiated by licensee and the listing was corrected.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1/2/98	Positive	SAQV	IR 97-10	NRC	Continued self-critical approach to corrective actions noted. Good questioning at review committee meetings; however, configuration control remains a problem, e.g., licensee found loose parts monitor switch mispositioned and NRC found mispositioned switches (see PIM Entry 589).	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1/2/98	Negative		IR 97-10	NRC	Two errors and an omission noted in control room logs: 1) cause of coolant temperature instrument failure logged incorrectly; 2) main feed pump vibration incorrectly logged; 3) containment venting not logged.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1/2/98	Negative	MAINT	IR 97-10	NRC	Two areas found with most light bulbs out. Repeat issue.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1/2/98	Positive		IR 97-10	NRC	Control room conduct was professional and safety-conscious. Troubleshooting brief exhibited a questioning attitude. Oversight of simulator requalification was good.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12/5/97	VIO		IR 97-10, NCV, EA 98-10, LER 97-016	NRC	NRC found both fuel oil transfer pump switches for 2B diesel generator in off. May have existed since 11/25/97. Cause could not be confirmed. Assistant unit operators positioning switches without procedure guidance.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

WATTS BAR

21-May-98

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12/3/97	NCV		IR 97-10 , IR 98-01	NRC	Rad monitor input to multiple input annunciator under maintenance but no maintenance window cover. Licensee expectation was not to use tags for multiple input windows but procedure required. Procedure was changed.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive		IR 97-09	NRC	Walkdown of 120V AC system found proper alignment and good material condition.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive		IR 97-09	NRC	Control room conduct professional during period, turnovers thorough, AUO rounds properly performed. Simulator equal performance adequate with good training oversight.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Negative	SAQV	IR 97-09	NRC	Primary members not showing up for Plant Operations Review Committee. Poor planning/coordination by primary members. Quality of Plant Operations Review Committee still okay but alternates not fully prepared ahead of time.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Strength	SAQV	IR 97-09	NRC	Continuing strong corrective action process (self-critical, thorough assessments), good management oversight; strong industry experience program (thorough, effective).	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
11/18/97	Negative		IR 97-09; NCV	LICENSEE	Clearance was implemented which isolated cooling to required residual heat removal room cooler. Implemented inadequate clearance, human error.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/13/97	Negative		IR 97-09	NRC	NRC noted material problems in plant: water covering room floor; oil pads soaked/not dated; unmarked hoses; graffiti on chillers; light bulbs out; spent fuel pool pump off light out; active reactor coolant system leak. Field personnel inattentive.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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DATE	TYPE(s)	SEC. SFA	SOURCE(s)	ID'd	ISSUE(s)	SMM CODES
11/5/97	Negative		IR 97-09	NRC	Operators not aware of containment humidity increase. Operators not attentive to recorder.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/19/97	Negative	MAINT	IR 97-09; LER 97-15	SELF	Manual reactor trip at approximately 4 percent power. Feedwater isolation due to heater high level. Heater levels not properly monitored by operators plus two level alarm failures.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/15/97	Positive	SAQV	IR 97-09	SELF	Loop drain leaked, got equipment sump increase and vessel o-ring temperature alarm: via backfill. Good coordinated/timely response and good analysis of plant response.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive	SAQV	IR 97-07	NRC	Aggressive, self-critical corrective action process was evident. Thorough Nuclear Assurance reviews with good findings. Continuing good performance.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
10/10/97	Positive		IR 97-06	NRC	Walkdowns of several systems and containment areas found proper alignment and good material control.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive		IR 97-07	NRC	Excellent overall operations during outage. Conservative actions taken. Vacuum refill operations thorough brief and careful control of evolution. Thorough turnover and cavity fill and draindown briefs/controls. Senior management involved in Operations oversight and stressing safety.	1 2 3 4 5 A <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/1/97	Positive	MAINT	IR 97-07	NRC	Mid-loop operations had thorough briefings, risk emphasis, senior management oversight, and good use of instrumentation. Reduced scheduled mid-loop time from 70 to 36 hours.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

MAINTENANCE

WATTS BAR

21-May-98

DATE	TYPE(s)	SEC. SFA	SOURCE(s)	ID'd	ISSUE(s)	SMM CODES
3/28/98	Positive		IR 98-02	NRC	The inspectors considered the recently issued Maintenance and Modifications Handbook to be a beneficial initiative containing valuable information for personnel in a user-friendly format.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	Inspectors concluded that repair of containment pressure actuation circuit was performed in a professional and timely manner. Communication between workers and work groups was good. Maintenance preparation for the activity included a thorough briefing and detailed instructions.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	Maintenance activities were adequately performed (seven activities observed); Maintenance provided good support to resolve plant equipment or component problems; documentation of work performed was typically good. Procedures were followed and personnel were knowledgeable.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/7/98	LER		IR 98-02, LER 98-001	SELF	Turbine trip/reactor trip from 100% power due to equipment failure (see entry 649).	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive	SAQV	IR 98-01	NRC	Self-assessment process was providing valuable insights for maintenance.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Negative		IR 98-01	NRC	Inspector found plastic sheet on cable tray left from outage. Licensee took appropriate corrective action. Housekeeping issue. Material was fire retardant.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Negative		IR 98-01, URI, IR 98-02	LICENSEE	Licensee identified a possible containment leakage pathway.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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2/14/98	Positive		IR 98-01	NRC	Thoroughly documented temporary code repair of a steam leak was noted.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Negative		IR 98-01	NRC	Documentation of some technical justifications for preventive maintenance deferrals was incomplete.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive		IR 98-01	NRC	Preventive maintenance (PM) program adequately established responsibilities, master schedule, documentation and review of completed PMs, method for PM frequencies, periodic upgrading and incorporation of revised requirements.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive	ENG	IR 98-01	NRC	Inspection and evaluation of 1B main feedwater pump shaft was well-coordinated. A thorough investigation was performed.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive	OPS	IR 98-01	NRC	Excellent performance noted for post-maintenance test of a valve repair. Good communications and support between groups, thorough briefing, compliance with instructions.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive		IR 98-01	NRC	Observation of 14 maintenance/surveillance activities found good procedure adherence, personnel knowledgeable. Documentation also good. One poor practice (use of a wire brush to clean contacts) noted on a nonsafety-related breaker.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	NCV	OPS	IR 98-01	NRC	Licensee failed to follow foreign material exclusion requirements. Charging pump suction line vent open.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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1/2/98	Positive		IR 97-10	NRC	Seven maintenance/surveillance activities observed. Personnel followed procedures, were knowledgeable, and properly documented activities.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1/2/98	NCV	SAQV	IR 97-10, IR 98-01	NRC	Inspector noted safety injection pump seal cover missing screws, found poor documentation of work performed. No technical problem identified.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12/4/97	Negative		IR 97-10	NRC	Handwritten labels found on radiation monitor and residual heat removal flow transmitter valves. NRC continuing to find post-outage material condition issues.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	NCV	PLT SUP	IR 97-09	NRC	Poor performance by Maintenance personnel led to improper security compensation for removed vital barrier for 42 minutes. Personnel failed to notify Security despite instructions.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive	SAQV	IR 97-09	NRC	Outage overview: sensitive to operations support via clearing of work-arounds, leaks, etc.; critique process valuable for identifying areas for improvement.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive		IR 97-09	NRC	Six maintenance/surveillance activities witnessed. Procedures followed and knowledgeable personnel. Continuing good procedure compliance.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive		IR 97-09	NRC	Adequate implementation of freeze protection program, equipment properly maintained. Improved management attention (previous violation).	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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11/24/97	Negative	OPS	IR 97-09; NCV	LICENSEE	Tech Spec tracking entry for main feedwater pump trip not entered as required by licensee procedure when trip signal wiring was lifted. Pump was out of service. Inadequate procedure.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/22/97	VIO	PLT SUP	IR 97-11, EA 97-580	SELF	Failure to follow procedure for retrieval of loose debris led to unplanned exposure.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive		IR 97-07	NRC	Reactor head lift controls adequate. Two problems noted: two slings were not properly marked and close interferences during lift.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive		IR 97-07	NRC	Twelve outage maintenance and surveillance activities were performed i.a.w. procedures with thorough briefings and were well planned and coordinated.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive	OPS	IR 97-07	NRC	Excellent detailed overall risk management during outage. Strong management attention, stressed safety and reduced risk.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	NCV	SAQV	IR 97-07	NRC	Two problems (cavity instrument cover leaks and cavity washdown causing upper containment airborne) not documented on problem evaluation reports. Generally good corrective action program implementation. Twenty problems had PERs properly initiated. Did cover in outage critique and issued problem evaluation reports after inspector questioned.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive	OPS	IR 97-07	NRC	Outage activities well controlled. Management focused on risk reduction through detailed planning and constant review. Management involvement in outage from all groups.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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10/9/97	Positive	SAQV	IR 97-07	LICENSEE	Maintenance person questioned bolt found in lower containment. Licensee found steam generator upper lateral supports had several bolts damaged. Good finding.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/8/97	Positive		IR 97-07	NRC	Integrated Leak Rate Test completed satisfactorily.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
ENGINEERING						
3/28/98	Positive	SAQV	IR 98-02	NRC	The licensee's turbine trip/reactor trip investigation team conducted a well-coordinated and thorough investigation. The team found that the Auto Stop Oil (ASO) pressure switch setpoint had drifted and an ASO regulating valve was leaking which led to a low ASO pressure turbine trip.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	The lower ice condenser area and ice baskets were in good condition with no indications of damage. The system engineer was knowledgeable of the ice condenser system and showed good ownership.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	Good support was noted for emergent and routine activities. Evaluations were thorough. Two system engineers were knowledgeable of their systems.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive		IR 98-01	NRC	Thorough engineering support was noted for emergent operations and maintenance issues.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1/2/98	Positive	OPS	IR 97-10	NRC	Safety assessment/safety evaluation for turbine vibration in "cutout" thorough and technically viable. Minor problem, in that, first out trip annunciator was not addressed.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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1/2/98	Positive		IR 97-10	NRC	General engineering support was good. Evaluation of a control rod problem was technically viable.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive		IR 97-09	NRC	Design changes, including post-mod testing, performed i.a.w requirements. Regional Engineering inspection.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive		IR 97-09	NRC	Engineering support was thorough, responsive to site needs, and technically sound. Raw cooling water pump performance was being closely monitored.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive	MAINT	IR 97-09	NRC	Physics tests properly documented and acceptable.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/19/97	Positive	MAINT	IR 97-09	NRC	Surveillance Requirement 3.0.3 entered due to feedwater isolation not fully tested re inputs from steam generator level and valve vault flooding. Westinghouse card design issue re Generic Letter 96-01. Thorough response to industry issue.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive		IR 97-07	NRC	Regional modification inspection found design controls met requirements.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/3/97	Positive	MAINT	IR 97-07	NRC	Thorough test briefings and excellent coordination of safety injection system testing.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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10/2/97	Positive		IR 97-07	NRC	Generally good engineering support during outage (coordination of loss of offsite power test, thorough analysis for midloop vent path). Thorough troubleshooting by system engineer for post accident sampling system leak. Reviews for Generic Letter 96-01 were performed per commitments and operability evaluations performed i.a.w. GL 91-18.	1	2	3	4	5
						A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						B	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
						C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLANT SUPPORT										
3/28/98	Positive	SAQV	IR 98-02	NRC	A licensee-conducted audit was thorough and complete and also effective in terms of uncovering weaknesses in security procedures and practices. The inspectors determined that audit findings and recommendations were properly reviewed, assigned, analyzed, and prioritized for corrective action. Corrective actions were technically adequate and performed in a timely manner.	1	2	3	4	5
						A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	The licensee's security management structure and chain of command were in conformance with the approved Physical Security Plan, Contingency Plan, Training and Qualification Plan, and licensee procedures and regulatory requirements and were adequate and appropriate for their intended function.	1	2	3	4	5
						A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	Contractor Protective Services security personnel met the suitability requirements for employment and were appropriately trained in accordance with regulatory requirements.	1	2	3	4	5
						A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	The inspectors concluded that effective preparations had been fully implemented to ensure successful transition to a contract security force.	1	2	3	4	5
						A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	A random review of security plans and interviews with appropriate individuals verified that changes did not decrease the effectiveness of the Physical Security Plan.	1	2	3	4	5
						A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/28/98	VIO		IR 98-02	NRC	In June 1995 the licensee failed to protect an individual's Fitness for Duty information which led to a violation of regulatory requirements.	1	2	3	4	5
						A	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
						B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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3/28/98	Positive		IR 98-02	NRC	Security personnel performed acceptably during routine observations.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3/28/98	Positive		IR 98-02	NRC	No problems noted regarding radiological controls during routine observations. Radiological surveys were noted to be performed well. Pre and post job briefings were also performed well. The licensee provided good management oversight of chemistry results; regulatory limits were being met.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive		IR 98-01	NRC	Security personnel performed acceptably and barriers and zones were well maintained.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive		IR 98-01	NRC	Licensee took aggressive corrective action to correct balance of plant problems affecting chemistry.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/14/98	Positive		IR 98-01	NRC	Observations of radiological controls for access, locked areas, personnel monitoring, surveys and postings found these met requirements. Aggressive action was taken for minor spill.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/5/98	NCV	ENG	IR 98-01, LER 97-14	LICENSEE	Licensee identified two violations of 10CFR50, Appendix R: 1) missing cover plate on reactor coolant pump oil collection system; and 2) separation of cables to control room ventilation system. Cause for cable was design personnel error. Cause for missing cover was unknown.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2/5/98	Negative		IR 98-01	NRC	Knowledge deficiency noted re operation of a fire hose clamp, fire operator thought pressure would cause the clamp to release.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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1/2/98	Positive		IR 97-10	NRC	Positive initiative in that a satellite phone system was initiated for emergencies to back up other phone systems.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
1/2/98	Positive		IR 97-10	NRC	Radcon requirements met re access controls, locked areas, personnel monitoring, surveys, and postings. Good daily oversight of chemistry results noted and limits were met. Security personnel performed acceptably and barriers and zones were well maintained.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12/15/97	Strength		IR 97-08	NRC	Operations Support Center layout and equipment was a strength during annual exercise.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12/15/97	Positive	SAQV	IR 97-08	NRC	Licensee successfully demonstrated implementation of emergency plan during annual exercise. Post critique was comprehensive and self-critical.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12/3/97	Negative	MAINT	IR 97-10	NRC	Instrument fitting leak found with contamination on floor. 1B safety injection pump seal leak, no catch containment which was inconsistent with licensee practice. Repeat NRC finding of fitting leak.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive		IR 97-09	NRC	Regional security inspection found good program, good access controls, well maintained equipment, administrative procedures met requirements.	1 2 3 4 5 A <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/24/97	Positive		IR 97-09	NRC	Observation of three drills (one off-hour) showed good strategies, prioritization, communications. Thorough critiques. Positive initiative re pre-established guidelines re injection sources.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

WATTS BAR

21-May-98

DATE	TYPE(s)	SEC. SFA	SOURCE(s)	ID'd	ISSUE(s)	SMM CODES
11/24/97	Positive		IR 97-09	NRC	Requirements were met during routine observations of Radcon (surveys, postings, access controls, personnel monitoring). Chemistry results satisfactory. Security personnel performed acceptably; barriers and zones properly maintained.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11/22/97	NCV		IR 97-11, IR 98-01, EA 97-580	LICENSEE	Licensee failed to use latest radiation survey for a pre-job brief.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive		IR 97-07	NRC	Regional emergency plan inspection found good overall program, testing, equipment well maintained, training, management and audits. Alert system exceeded requirements.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive		IR 97-07	NRC	Acceptable special tritium action levels for Lead Test Assemblies incorporated in procedures.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive		IR 97-07	NRC	Regional inspection found good control of radioactive materials with proper labeling, proper dosimetry use, personnel maintaining low dose rates, contamination control effectively limiting contaminated areas, breathing air tests performed satisfactorily.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/10/97	Positive		IR 97-07	NRC	Generally good radcon support. Good As Low As Reasonably Achievable questioning. Steam generator dam removal well controlled and low dose experienced.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/8/97	Positive		IR 97-07	NRC	Emergency preparedness drill conducted well with limited personnel due to outage. Good communications, prioritization, and strategy development.	1 2 3 4 5 A <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> B <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> C <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

DATE	TYPE(s)	SEC. SFA	SOURCE(s)	ID'd	ISSUE(s)	SMM CODES
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SMM Template Codes:

1A	OPERATION PERFORMANCE - Normal Operations
1B	OPERATION PERFORMANCE - Operations During Transients
1C	OPERATION PERFORMANCE - Programs and Processes
2A	MATERIAL CONDITION - Equipment Condition
2B	MATERIAL CONDITION - Programs and Processes
3A	HUMAN PERFORMANCE - Work Performance
3B	HUMAN PERFORMANCE - KSA
3C	HUMAN PERFORMANCE - Work Environment
4A	ENGINEERING/DESIGN - Design
4B	ENGINEERING/DESIGN - Engineering Support
4C	ENGINEERING/DESIGN - Programs and Processes
5A	PROBLEM IDENTIFICATION & SOLUTION - Identification
5B	PROBLEM IDENTIFICATION & SOLUTION - Analysis
5C	PROBLEM IDENTIFICATION & SOLUTION - Resolution

SALP Functional Areas:

ENG	ENGINEERING
MAINT	MAINTENANCE
OPS	OPERATIONS
PLT SUP	PLANT SUPPORT
SAQV	SAFETY ASSESSMENT & QV

ID Code:

LICENSEE	LICENSEE
NRC	NRC
SELF	SELF-REVEALED

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.

WATTS BAR NUCLEAR PLANT

INSPECTION PLAN

INSPECTION PROCEDURE	TITLE	NO. OF INSPECTORS	INSPECTION DATES	TYPE OF INSPECTION
IP 37550	Engineering Inspection	1	4/98	Completed: Core Inspection.
IP 83750	Radiation Protection	1	4/98	Completed: Core Inspection.
IP 62706	Maintenance Rule Inspection	4	5/98	Completed: Regional Initiative.
IP 62700 IP 37550	Maintenance Activities	1	8/98	Regional Initiative, Emphasis on Engr & Maint. Activities Related to Intersystem LOCA.
IP 62700	Maintenance Program Implementation	1	7/98	Regional Initiative, Emphasis on Ice Condenser System Performance.
IP 37550	Engineering Inspection	1	7/98	Core Inspection, Emphasis on Corrective Action Program.
IP 81700 IP 81502	Review Access Authorization Fitness for Duty	1	8/98	Regional Initiative. Inspection at Corporate Office.
IP 81700	Physical Security Program	1	7/98	Core Inspection.
IP 81110	Operational Safeguards Response Evaluation	4	12/98	Regional Initiative, Followup OSRE.
IP 71001	Lic. Operator Requal Program Evaluation	1	9/98	Core Inspection-Regional Assist.