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Summary and Bibliography of Safety-Related Events at Boiling-Water Nuclear Power Plants as Reported in 1980

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MASTER

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Office of Nuclear Regulatory Research
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NUCLEAR SAFETY INFORMATION CENTER

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**SUMMARY AND BIBLIOGRAPHY OF SAFETY-RELATED EVENTS AT
BOILING-WATER NUCLEAR POWER PLANTS
AS REPORTED IN 1980**

K. E. McCormack
R. B. Gallaher

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FOREWORD

The Nuclear Safety Information Center (NSIC), which was established in March 1963 at Oak Ridge National Laboratory, is sponsored by the U.S. Nuclear Regulatory Commission's Office of Analysis and Evaluation of Operational Data. Support for the technical progress review *Nuclear Safety* (see last page of this report) is provided by both the Breeder Reactor and Light-Water-Reactor Safety Programs of the Department of Energy. NSIC is a focal point for the collection, storage, evaluation, and dissemination of operational safety information to aid those concerned with the analysis, design, and operation of nuclear facilities. The Center prepares reports and bibliographies as listed on the inside covers of this document. NSIC has developed a system of keywords to index the information in its catalogs. The title, author, installation, abstract, and keywords for each document reviewed are recorded at the central computing facility in Oak Ridge.

Computer programs have been developed that enable NSIC to (1) prepare monthly reports with indexed summaries of Licensee Event Reports, (2) make retrospective searches of the stored references, and (3) produce topical indexed bibliographies. In addition, the Center Staff is available for consultation, and the document literature at NSIC is available for examination. NSIC reports (i.e., those with the ORNL/NSIC and ORNL/NUREG/NSIC numbers) may be purchased from the National Technical Information Service (see inside front cover). All of the above services are available free of charge to U.S. Government organizations as well as their direct contractors. Persons interested in any of the services offered by NSIC should address inquiries to:

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PREVIOUS REPORTS IN THIS SERIES

1. W. R. Casto and E. N. Cramer, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1967 and 1968*, ORNL/NSIC-69 (July 1970).
2. R. L. Scott and W. R. Casto, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1969*, ORNL/NSIC-87 (August 1971).
3. R. L. Scott, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1970*, ORNL/NSIC-91 (December 1971).
4. R. L. Scott and R. B. Gallaher, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1971*, ORNL/NSIC-106 (September 1972).
5. R. L. Scott and R. B. Gallaher, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1972*, ORNL/NSIC-109 (December 1973).
6. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Nuclear Power Plants as Reported in 1973*, ORNL/NSIC-144 (November 1974).
7. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Nuclear Power Plants as Reported in 1974*, ORNL/NSIC-122 (May 1975).
8. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Boiling-Water Nuclear Power Plants as Reported in 1976*, ORNL/NUREG/NSIC-126 (July 1975).
9. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Pressurized-Water Nuclear Power Plants as Reported in 1975*, ORNL/NUREG/NSIC-127 (July 1976).
10. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Boiling-Water Nuclear Power Plants as Reported in 1976*, ORNL/NUREG/NSIC-137 (September 1977).
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12. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Events in Boiling-Water Nuclear Power Plants as Reported in 1977*, ORNL/NUREG/NSIC-149 (November 1978).
13. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Events in Pressurized-Water Nuclear Power Plants as Reported in 1977*, ORNL/NUREG/NSIC-150 (November 1978).

14. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Events at Boiling-Water Nuclear Power Plants as Reported in 1978*, ORNL/NUREG/NSIC-164 (September 1979).
15. R. L. Scott and R. B. Gallaher, *Summary and Bibliography of Safety-Related Events at Pressurized-Water Nuclear Power Plants as Reported in 1978*, ORNL/NUREG/NSIC-165 (September 1979).
16. R. L. Scott and R. B. Gallaher, *Summary and Bibliography of Safety-Related Events at Boiling-Water Nuclear Power Plants as Reported in 1979*, ORNL/NUREG/NSIC-178 (June 1981).
17. R. L. Scott and R. B. Gallaher, *Summary and Bibliography of Safety-Related Events at Pressurized-Water Nuclear Power Plants as Reported in 1979*, ORNL/NUREG/NSIC-179 (July 1981).

SUMMARY AND BIBLIOGRAPHY OF SAFETY-RELATED EVENTS AT
BOILING-WATER NUCLEAR POWER PLANTS
AS REPORTED IN 1980

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ABSTRACT

This document presents a bibliography that contains 100-word abstracts of event reports submitted to the U.S. Nuclear Regulatory Commission concerning operational events that occurred at boiling-water-reactor nuclear power plants in 1980. The 1547 abstracts included on microfiche in this bibliography describe incidents, failures, and design or construction deficiencies that were experienced at the facilities. These abstracts are arranged alphabetically by reactor name and then chronologically for each reactor. Full-size keyword and permuted-title indexes to facilitate location of individual abstracts are provided following the text. Tables that summarize the information contained in the bibliography are also provided. The information in the tables includes a listing of the equipment items involved in the reported events and the associated number of reports for each item. Similar information is given for the various kinds of instrumentation and systems, causes of failures, deficiencies noted, and the time of occurrence (i.e., during refueling, operation, testing, or construction). Some of the more interesting events that occurred during the year are reviewed in detail.

INTRODUCTION

The Nuclear Safety Information Center (NSIC) has collected, reviewed, and/or published reports of safety-related reactor operational events since its inception in March 1963. During this same year, the Atomic Energy Commission (AEC) Division of Operational Safety started disseminating information on unusual reactor operating experiences in memorandum form. The first collection of this type of reactor operating experiences [disseminated by the AEC and later by the U.S. Nuclear Regulatory Commission (NRC)] was published by NSIC¹ covering the years 1963, 1964, and 1965, with subsequent publications appearing every three years.²⁻⁵

In 1968, a second series of reports presenting this type of information was started with the publication of a journal article on safety-related events obtained from the NSIC computerized file of events reported in 1966 by the licensees of nuclear facilities.⁶ These events are now also known as reportable occurrences or licensee events. This series has continued with publications appearing each year.⁷⁻²³ However, the number

of event reports has increased tremendously each year; in the 1966 compilation,⁶ 76 events were reported for all types of reactors, including research and development reactors. However, for the 1973 events, the compilation had to be restricted to events that occurred at nuclear power plants only, because the number of events had increased to 1053 (Ref. 12). For the 1975 events, this series was further restricted to events at boiling-water reactor (BWR) and pressurized-water reactor (PWR) nuclear power plants. At this point, two publications were required because 1169 events occurred for the BWRs and 1097 events for the PWRs.^{14,15} Two publications have been issued each year since 1975 to report the BWR and PWR events: the 1980 compilation contains 1547 events for the BWRs (this report) and 2166 for the PWRs.²⁴

Of special note is a report prepared by NSIC for the President's Commission on the Accident at Three Mile Island. This compilation and summary of the more serious reactor accidents from 1952 to 1979 deals with power reactors as well as experimental research and production reactors.²⁵

This report [along with ORNL/NSIC-196 (Ref. 24)] is the 13th in a series issued annually by the NSIC presenting abstracts of reports of safety-related events submitted during the year to the NRC by the licensees of light-water reactors in the United States. In particular, the report contains abstracts of 1547 events reported in 1980. The abstracts are presented on microfiche, which are filed in an envelope attached to the back cover of the report.

Statistical data obtained from a review of the event reports are discussed and summarized in the tables in the following sections. The summarized information includes a listing of equipment items and the number of reports (events) in which each item was involved. Similar information is given for instrumentation, safety-related systems, causes of failures, types of deficiencies, type of personnel involved, and the time of occurrence (i.e., construction, refueling, operation, or testing). Selected events are also reviewed in detail because of their relevance to the safe operation and performance of nuclear plants.

The reports of safety-related events abstracted in the bibliography were submitted by power plant licensees to the NRC in accordance with federal regulations. The reporting requirements for nuclear facility licensees are included in Title 10, *Code of Federal Regulations*, Parts 20, 40, 50, 70, and 73 (Ref. 26). The *NRC Regulatory Guide 10.1*, Revision 3, May 1977 (Ref. 27), presents a compilation of the reporting requirements for persons subject to NRC regulations. Reporting of operating information is described in detail in *NRC Regulatory Guide No. 1.16* (Ref. 28). The requirements for reporting design or construction deficiencies in nuclear facilities that have been granted construction permits are given in Title 10, *Code of Federal Regulations*, Part 50, Section 55, Paragraph e (1 through 3) (Ref. 29).

The information for this report was obtained from the NSIC computer files in the form of 100-word abstracts of the reports submitted by the reactor licensees. The abstracts, with appropriate keywords used for computer storage and retrieval, were prepared by technical specialists at NSIC. Input to the computer is a continuing process; therefore, persons desiring an update of the information on operating experiences at nuclear power plants may obtain a literature search by contacting the NSIC.

The NSIC computer also provides a bimonthly printout of those events that resulted in reactor shutdown and their causes; this information is included in each issue of the bimonthly journal, *Nuclear Safety*.

The abstracts in this report are arranged alphabetically by reactor name and then chronologically for each reactor. In addition to the abstracts describing each event, full-size keyword and permuted-title indexes are provided for quick location of the abstracts in which a particular item is discussed. For example, persons interested in the problems experienced with diesel generators can find the relevant abstracts listed under the keyword *generator*, *diesel*; or using the permuted-title index, they can find the abstracts with the word *diesel* or the word *generator* in the title of the article. In the keyword index, some keywords appear twice, once with an asterisk and once without an asterisk. Asterisked keywords indicate that the reports (indicated by the accession number and page) discuss the keyword item in more detail than the reports listed under a nonasterisked keyword. The asterisk is also used to indicate that the keyword item actually failed, whereas a keyword item without an asterisk indicates that the keyword item was involved in an event but did not necessarily fail.

Before reviewing the bibliography, it may be helpful to review "Method of Indexing Licensee Event Reports" (p. 153), which shows a typical abstract with its component parts identified. Note that the list of keywords gives a quick indication of the content of the abstract. The availability of the original material is indicated (i.e., the NRC Public Document Room, 1717 H Street, Washington, DC 20555).

SUMMARY OF SAFETY-RELATED EVENT DATA

The 1547 abstracts in the bibliography were reviewed, and tabulations were made of significant items to indicate the total number of reports concerned with those items. These tabulations indicate items that should receive more attention by reactor operators, designers, or other interested parties.

Table 1 lists the number of reports concerned with the various systems. As in 1976, 1977, and 1978, the system most frequently reported on was the main cooling system. Major or safety-related systems were reported on more often than the less important systems; however, this occurrence only reflects the attention given to these major systems by the utilities in the form of surveillance testing as well as the emphasis that the NRC has placed on these systems in its reporting requirements. The total number of reports shown in Table 1 exceeds the total number of 1980 reports submitted by the licensees because, in some reports, more than one system may have been involved in the event. (Systems involved in <1% of the total number of reports are not listed.)

Table 2 lists the number of reports concerned with various items of equipment. This year, as in previous years, valves, piping, and pumps were the equipment items for which the most licensee event reports (LERs) were submitted. These three items alone were involved in 45% of the events reported. The total number of reports shown in this table exceeds the total number of 1980 reports submitted by the licensees because, in some reports, more than one item of equipment may have been involved in

Table 1. Reports concerned with listed systems

System	Number of reports	Percent of total
Main cooling	146	9
Steam	133	8
Electric power	127	8
High-pressure coolant injection	125	8
Reactor protection	111	7
Shut-down cooling	105	7
Containment isolation	101	6
Containment	96	6
Reactor core isolation cooling	96	6
Radiation monitoring	63	4
Fire protection	59	4
Emergency electric power	59	4
Service water	56	4
Core spray	53	4
Low-pressure coolant injection	42	3
Ventilation	40	3
Engineered safety features	39	3
Coolant purification	28	2
Standby gas treatment	22	1
Feedwater	16	1
Pneumatic	16	1

Table 2. Reports concerned with listed equipment

System	Number of reports	Percent of total
Valves	398	26
Pumps	160	10
Pipes and fittings	135	9
Valve operators	128	8
Torus	89	6
Seals	78	5
Cables and connectors	73	5
Pressure vessels	72	5
Turbines	71	5
Breakers	61	4
Internal combustion engines	60	4
Control rod drives	56	4
Diesel generators	54	3
Control rods	46	3
Fasteners	38	2
Storage container	37	2
Shock absorbers	35	2
Motors	34	2
Solenoids	31	2
Buildings	28	2
Containment vacuum breakers	25	1
Check valves	24	1
Heat exchangers	23	1
Filters	17	1

the event. (Equipment items involved in <1% of the total number of reports are not listed).

Table 3 is a list of various kinds of instrumentation that presented problems during the year and the number of reports concerned with each item. Since 1971 when similar tables were first prepared, switches, accounting for more malfunctions than any other instrument, have been at the top of the list. Apparently, the reason for this is the large number of switches in safety-related systems as well as their delicacy and sensitivity. Various monitors and sensors account for most of the remaining reports concerned with instrumentation problems. (Items involved in <1% of the events were not listed.)

Table 3. Reports concerned with the listed instrumentation

Instrumentation	Number of reports	Percent of total
Switch	272	18
Pressure sensors	134	9
Level sensors	90	6
Radiation monitors	63	4
Relays	63	4
Position instrument	40	3
Flow sensors	36	2
Electronic function units	33	2
Recorders	31	2
Temperature sensors	29	2
Alarms	20	1

Table 4 lists the identified causes of the safety-related events reported and the number of reports concerned with each cause. Fifty-eight percent of the events involved were inherent failures; these failures were caused by a natural means or essential character of the equipment item (e.g., unexplained set-point drift of an instrument, spurious trips, aging, and wear). A few of these characteristics are given in Table 5, which lists deficiencies and the associated number of reports submitted. Set-point drift and leakage were the most frequently reported items, followed by procedural deficiencies. Procedural deficiencies most frequently involved inadequate procedures, but failure of operators to follow procedures is also included. Deficiency in communication covers those events involving a misunderstanding between personnel; it also includes misinterpretation of procedures or technical specifications.

Many reports noted a deficiency but did not give the cause. For example, many reports discussed leaks and their repair, but did not discuss causes of the leaks. The deficiency listed as "Testing" in Table 5

Table 4. Reports concerned with the listed cause of safety-related events

Cause	Number of reports	Percent of total
Inherent failure	901	58
Operator error	107	7
Design error	106	7
Maintenance error	92	6
Administrative control error	90	6
Installation error	66	4
Construction error	51	3
Fabrication error	21	1

Table 5. Reports concerned with the listed deficiency

Deficiency	Number of reports	Percent of total
Set-point drift	236	15
Leak	140	9
Procedures	99	6
Test interval	64	4
Crud	61	4
Testing	55	4
Abnormal instrument indication	54	3
Instrument calibration	52	3
Wear	45	3
Crack	43	3
Lubrication	30	2
Age effect	29	2
Welds	27	2
Corrosion	24	2
Vibration	18	1
Stress corrosion	9	<1
Erosion	9	<1
Obstruction	7	<1
Airborne release	1	<1

generally denotes that a failure or other event occurred because of testing (e.g., the wrong switch operated during a test resulted in a failure or reactor trip). "Test interval" indicates the failure of personnel to perform a test within the required time interval between surveillance testing; it does *not* indicate an equipment failure.

Table 6 lists the various time periods in which the off-normal events took place and the associated number of reports. The 611 events that were discovered (or occurring) during testing could be remedied with little or no effect on operation, and most of these did occur during operation. The number listed for "operation" was determined by subtracting the verified numbers for testing, refueling, and construction.

Table 7 lists the types of personnel involved in the events and the number of reports that identified the type of personnel. Many reports did not make this identification.

Table 8 lists alphabetically the nuclear reactor units from which reports were received and the associated number of reports per unit. Only those units that were in commercial operation all year are listed. The total number of units listed is 25. For those 25 units that were in commercial operation all year, there are 1541 reports — an average of 62 reports per unit. The total number of reports listed in Table 8 is 1541, whereas the bibliography contains abstracts of 1547 reports. The reason for this discrepancy is that Humboldt Bay is not included in the table as an operating reactor.

Table 6. Reports for the listed time of occurrence of off-normal events

Time of occurrence	Number of reports	Percent of total
Testing	744	48
Operation	569	37
Refueling	233	15
Construction	1	<1

Table 7. Reports received vs types of personnel involved in events

Personnel	Number of reports	Percent of total
Licensed operators	107	7
Designers	106	7
Maintenance	95	6
Construction	51	3
Fabricators	21	1
Nonlicensed operators	20	1
Contractors	12	<1
Radiation protection	8	<1

Table 8. Reports involving the alphabetically listed unit
in commercial operation all year

Name	Number of reports	Percent of total	Age (years)	Design electrical rating [net MW(e)]
Arnold	73	5	6.8	538
Big Rock Point	45	3	18.3	72
Browns Ferry 1	90	6	7.4	1065
Browns Ferry 2	57	4	6.5	1065
Browns Ferry 3	61	4	4.5	1065
Brunswick 1	104	7	4.3	821
Brunswick 2	115	7	5.9	821
Cooper	53	3	6.8	778
Dresden 2	46	3	10.9	809
Dresden 3	44	3	9.6	809
FitzPatrick	103	7	6.1	821
Hatch 1	131	8	6.3	786
Hatch 2	171	11	2.0	784
LaCrosse	17	1	12.9	50
Millstone 1	21	1	10.3	650
Monticello	31	2	10.0	545
Nine Mile Point 1	27	2	11.4	610
Oyster Creek	66	4	11.5	650
Peach Bottom 2	36	2	7.1	1065
Peach Bottom 3	33	2	6.5	1065
Pilgrim 1	96	6	8.7	655
Quad Cities 1	36	2	8.9	789
Quad Cities 2	37	2	8.8	789
Vermont Yankee	45	3	8.5	514

Tables 9 and 10 list the number of reports for the units that were commercially operable all year. Table 9 tabulates them by age, and Table 10 uses power - DER in megawatts (electrical). These tables were prepared to determine if age or power level was a factor in the number of reportable events occurring at a nuclear unit. Figures 1 and 2 are plots of the number of reports vs age and plant size, respectively.

Figure 1 indicates both visually and with a least-squares fit that some correlation exists between the number of reports and the age of the plant (i.e., as the plants get older fewer LERs are submitted). Figure 2 indicates both visually and with a least-squares fit that very little correlation exists between size and number of reports submitted. What correlation exists may be due to a correlation between size and age rather than size and number of reports. A final review of the bibliography shows that 31 of the 1547 reports indicated that a reactor shutdown occurred or was required because of equipment failure or malfunction. See Table 11 for a synopsis of these shutdowns.*

*References for Table 11 are numbers 30-36.

Table 9. Reports for listed units that were commercially operable all year (by age since first electrical generation)^a

Name	Age ^a (years)	Number of reports	Percent of total
Dresden 1	20.9	3	<1
Big Rock Point	18.3	45	3
LaCrosse	12.9	17	1
Oyster Creek	11.5	66	4
Nine Mile Point 1	11.4	27	2
Dresden 2	10.9	46	3
Millstone 1	10.3	21	1
Monticello	10.0	31	2
Dresden 3	9.6	44	3
Quad Cities 1	8.9	36	2
Quad Cities 2	8.8	37	2
Pilgrim 1	8.7	96	6
Vermont Yankee	8.5	45	3
Browns Ferry 1	7.4	90	6
Peach Bottom 2	7.1	36	2
Arnold	6.8	73	5
Cooper	6.8	53	3
Browns Ferry 2	6.5	57	4
Peach Bottom 3	6.5	33	2
Hatch 1	6.3	131	8
FitzPatrick	6.1	103	7
Brunswick 2	5.9	115	7
Browns Ferry 3	4.5	61	4
Brunswick 1	4.3	104	7
Hatch 2	2.0	171	11

^a Average age - 9.1; median age - 8.6.

Table 10. Reports for listed units that were commercially operable all year (by design electrical rating)^a

Name	DER ^a [net MW(e)]	Number of reports	Percent of total
Browns Ferry 1	1065	90	6
Browns Ferry 2	1065	57	4
Browns Ferry 3	1065	61	4
Peach Bottom 2	1065	36	2
Peach Bottom 3	1065	33	2
Brunswick 1	821	104	7
Brunswick 2	821	115	7
FitzPatrick	821	103	3
Dresden 2	809	46	2
Dresden 3	809	44	3
Quad Cities 1	789	36	2
Quad Cities 2	789	37	2
Hatch 1	786	131	8
Hatch 2	784	171	11
Cooper	778	53	3
Pilgrim 1	655	96	6
Millstone 1	650	21	1
Oyster Creek	630	66	4
Nine Mile Point 1	610	27	2
Monticello	545	31	2
Arnold	538	73	5
Vermont Yankee	514	45	3
Dresden 1	200	3	<1
Big Rock Point	72	45	3
LaCrosse	50	17	1

^a Average DER - 713; median DER - 785.

Fig. 1. Correlation between plant age and number of reports.

Fig. 2. Correlation between plant size and number of reports.

Table 11. Events which resulted in reactor shutdown

Report/event	Event	Cause	Component/system	Facility/docket
052780 043080	Reactor recirculation pump motor shorts	Unknown	Motors Coolant recirculation system and controls	Duane Arnold 50-331
062680 052880	Recirculation pump motor oil level is low	Unknown	Motors Coolant recirculation system and controls	Duane Arnold 50-331
112480 111080	Containment isolation valves fail to close	Wiring error during design change	Electrical conductors Containment isolation system and controls	Duane Arnold 50-331
031080 103178	Update report on control rod drive temperature	O-ring seal fabrication deficiency	Control rod drive mechanism Reactivity control system	Big Rock Point 50-135
052280 042480	Recirculation pump low oil level alarm shorts	Loss of insulation	Electrical conductors Coolant recirculation system and controls	Browns Ferry 1 50-259
071880 062480	Control valve fast-closure pressure switch miswired	Maintenance error	Instrumentation and controls Reactor trip system	Browns Ferry 1 50-259
010480 120879	Drywell to suppression chamber differential pressure out of limits	Leaking equipment hatch	Penetrations, primary containment Reactor containment system	Browns Ferry 3 50-296
101780 092080	Reactor scrams when breaker fails to close	Misalignment of breaker secondary	Circuit closers/interrupters AC on-site power system and controls	Browns Ferry 3 50-296
121380 120280	RCIC steam isolation valve leaks	Maintenance error	Valves RCIC and controls	Brunswick 2 50-324
081880 080480	Turbine computer system spuriously scrams reactor	Voltage transients due to line fault	Instrumentation and controls Off-site power system and controls	Cooper 50-298
112580 111580	Reactor cooldown rate exceeded	Steam bypass valves stay open after scram	Instrumentation and controls Turbine bypass system and controls	Cooper 50-298
022880 020280	Jet pump fails	Not yet determined	Pumps Coolant recirculation system and controls	Dresden 3 50-249
050880 042580	Automatic depress valves fail to open	Valve operator failures	Valves ECCS and controls	Dresden 3 50-249
051980 051380	Spurious HPCI initiation occurs	Not yet determined	Component code not applicable ECCS and controls	Hatch 1 50-231
020580 012280	HPCI found inoperable	Booster pump discharge pressure line leak	Pipes, fitting RCIC and controls	Hatch 1 50-321
06080 052480	Operation within a single failure criteria region discovered	Defective procedures	Valves ECCS and controls	Hatch 1 50-321
071080 062680	HPCI fails to actuate	Isolation signal due to poor turbine-speed control	Circuit closers/interrupters ECCS and controls	Hatch 1 50-321

Table 11 (continued)

Report/event	Event	Cause	Component/system	Facility/docket
080780 072080	Vacuum breaker failures force shutdown	Broken air lines and faulty air control valves	Valves Reactor containment system	Hatch 2 50-366
081380 071180	Core spray pumps actuate	High drywell pressure sensor setpoint drift	Instrumentation and controls ECCS and controls	Oyster Creek 50-219
012480 011080	ADS safety-relief valve air supply check valve leak	Design error	Valves ECCS and controls	Peach Bottom 2 50-277
090580 080680	LPCI injection valve failed to open	Cracks in drive sleeve of valve operator	Valve operators ECCS and controls	Peach Bottom 3 50-278
082880 080180	Reactor water conduc- tivity exceeds limit	Demineralizer lateral backs out	Demineralizers Reactor coolant cleanup system and controls	Pilgrim 1 50-293
102080 100780	Reactor vessel relief valve opens spuriously	High nitrogen pressure opened relief valve	Valve operators ECCS and controls	Pilgrim 1 50-293
111480 103180	Reactor vessel relief valve opens spuriously	Failed nitrogen valve fed pressure to valve	Valves ECCS and controls	Pilgrim 1 50-293
112880 111380	Reactor vessel drain line leaks	Faulty weld	Pipes, fittings Reactor coolant cleanup system and controls	Pilgrim 1 50-293
120580 110680	Recirculation pump dis- charge valve leak	Valve packing leak	Valves Coolant recirculation system and controls	Pilgrim 1 50-293
092480 083180	Electromatic relief valve fails to close	Steam cutting off pilot valve	Valves Main steam system and controls	Quad Cities 1 50-254
052780 042880	Reactor coolant conduc- tivity exceeds limit	Not determined	Demineralizers Reactor coolant cleanup system and controls	Quad Cities 1 50-265
062580 061180	Feedwater leak bypasses detection system	Design error	Other components Reactor coolant press bound leak Detection system	Vermont Yankee 50-271

REVIEW OF SELECTED SAFETY-RELATED EVENTS

A review of the reported events indicated that most of them were routine and inconsequential; however, a few were significant or unique. Three of those events are reviewed in detail in this report. The events reviewed were selected on the basis of their potential interest and/or applicability to safe operation and improved performance of nuclear power plants.

Partial Failure of Browns Ferry Scram System

On June 28, 1980, a partial failure of the scram system occurred at Browns Ferry 3 while the reactor was being shut down from 35% power to

allow repairs to the feedwater system. The malfunction had apparently been the result of water accumulating in the scram discharge volume (SDV) east header and blocking rods from fully inserting. Seventy-six out of 185 control rods failed to insert fully. The partially scrambled rods brought the reactor power level in the east side of the core to 2% after the first scram attempt. The west side of the core was subcritical. A second manual scram was initiated 6 min after the first. In all, four scram attempts over a period of 14 min were required to completely insert the control rods on the east side.

The unit remained shut down until July 13, 1980, while a series of tests were performed to determine the cause of the water accumulation in the SDV. Ultrasonic probes were installed on the SDVs to continuously monitor the water level.

No radioactivity was released to the environment during this event and no fuel damage was indicated; however, this type of occurrence could result in failure of additional control rods to insert fully in part or in all of the core on any given manual or automatic scram signal and thus has the potential to cause significant fuel damage. Core-coolant flow, temperature, and pressure remained normal for existing plant conditions.

Cause or causes

The problem has been determined to be hydraulic rather than electrical or mechanical. The control rod drives (CRDs), which insert and withdraw the attached control rods in a General Electric (GE) BWR are essentially water-driven hydraulic pistons. On a scram, a relatively high water pressure is applied to the bottom side of the piston by opening a scram inlet valve; a scram outlet valve opens to relieve water and pressure above the piston, and the rods are rapidly driven up into the reactor core. Water discharged from the 185 individual CRDs during scram insertion is collected in two separate headers, each consisting of a series of interconnected 6-in.-diam pipes (four on each side of the reactor) called the SDV. During normal operation, both SDVs are designed to remain empty by being continuously drained to a separate scram discharge instrument volume tank (SDIV). The SDVs are therefore normally ready to receive the scram discharge water when a scram occurs. This instrumented tank is monitored for water level and initiates an automatic scram on high level, in anticipation of a scram being prevented by too much water in the SDV. The CRDs at Browns Ferry 3 are grouped so that the east and west sides of the reactor core are connected to separate SDVs. Later tests, inspections, and analyses indicated that the east SDV was substantially full of water at the time of the event, leaving insufficient room for the discharge water. Accordingly, on scram actuation, the CRDs rapidly drove the control rods partially into the core, but rod motion prematurely ceased when pressure quickly equalized on each side of the pistons.

Following each scram actuation, the scram signal was reset by the operator's allowing some water to drain from the SDV, thus permitting the rods to insert further with each scram attempt. Sufficient water was finally drained from the SDV to allow the rods to insert fully on the fourth scram signal. The east SDV water-accumulation problem is believed to result from improper drainage into the SDIV from the SDV because of

(1) inadequate SDV venting, (2) an obstruction in the line between the SDV and SDIV, or (3) a combination of these problems.

The Office of Analysis and Evaluation of Operational Data (NRC) has since evaluated the procedure and equipment at Browns Ferry 1, 2, and 3 to determine their adequacy in providing assurance that the SDV will not fill with water and interfere with a successful scram. Some of the principal AEOD findings, recommendations, and conclusions regarding the procedures and equipment are presented in the following section.

Findings of AEOD report

The Browns Ferry 3 scram instrument volume (SIV) high-level-scram function did not and cannot provide protection against the undetected accumulation of water in the east SDV header with attendant loss of the east bank scram capability even during unobstructed venting and draining conditions.

A single blockage in the venting system or drain line of the west header SDV can result in an undetected accumulation of water in both the east and west headers, which could disable the scram capability of all control rods.

With the current SDV-SIV design, a blockage in the SDV drain or vent path can cause a partial loss of scram capability and can disable the protection system that was installed to ensure detection and corrective action.

The Browns Ferry 3 partial scram failure, together with recent events at other BWRs, shows that float-type instruments for monitoring water level have a significant degree of unreliability.

The Browns Ferry 3 emergency operating instructions did not include a procedure or guidance for the operator to follow in the event of a partial or complete scram failure.

AEOD recommendations

The SIV high-level-scram function should be independent of the SDV vent and drain systems. An acceptable configuration would be placement of the SIV tank directly under the low end of the 6-in. SDV header and connection of the top of the SIV tank to the bottom of the SDV header by a short, vertical 6-in. pipe rather than the long 2-in. horizontal pipe. This arrangement should ensure water spillage from the SDV directly into the tank containing level-monitoring instruments. Furthermore, it would not depend on venting or draining phenomena that are sensitive to blockages. All plants should also provide one SIV tank for each SDV header. Separate instrument volumes, in immediate proximity to their respective headers, should ensure proper water spillage into the SIVs and should provide adequate redundancy for protection against a total loss of scram capability.

Diversity should be added to SIV water-level monitoring instruments for the SIV high-level-scram function. Monitoring techniques such as differential-pressure cells, ultrasonic detection, or conductivity may be considered along with others for this purpose.

Emergency operating procedures and operator training covering both partial and complete scram failure should be provided.

AEOD conclusions

The AEOD analysis of the SDV-SIV design, together with its vent and drain characteristics, leads AEOD to conclude that several actual and postulated mechanisms exist that can cause the SDV to fill with water undetected and without protection against such filling. The analyses also show that certain scram events can result in an unisolated reactor coolant blowdown outside the primary containment following a single isolation-valve failure in the SDV-SIV systems.

In view of these design deficiencies, AEOD believes that modifications must be made to the SDV-SIV arrangement and isolation features. Specific recommendations for changes in the SDV-SIV design are provided in its report. The AEOD believes that the changes are necessary to adequately reduce the risks associated with unreliability of the BWR scram system caused by the undetected accumulation of water in the SDV.

Failure of HPCI to Inject

This event occurred at E. I. Hatch 1 on June 26, 1980, and involved a failure of the high-pressure coolant injection (HPCI) system to inject. Following a turbine trip, the reactor scrambled from a main turbine stop-valve fast closure. The HPCI system received an automatic initiation signal on low reactor water level, but failed to inject into the reactor pressure vessel (RPV) because the HPCI steam line isolated from a high-differential-pressure signal. This represented failure of a system to complete its required protection function, as required by the Technical Specifications.

The isolation was reset, but when the inboard isolation valve was opened, another steam line high-differential-pressure isolation signal was received. The isolation was again reset, and the isolation valves were opened. The HPCI then automatically started, injected into the RPV, and was used to control water level. The automatic depressurization system (ADS), core spray, and low-pressure coolant injection (LPCI) systems were operable. The reactor core isolation cooling (RCIC) system, however, was inoperable.

The determination was made that the isolation, due to steam line high differential pressure, was caused by poor turbine speed control resulting from the turbine control system's being out of dynamic calibration. System calibration had been affected over a period of time by the replacement of control system components that had been statically calibrated.

Following extensive testing, including manual starts and quick starts of the HPCI system and recalibration of the HPCI turbine control systems, the HPCI system demonstrated satisfactory performance during hot quick starts. Calibration, surveillance, and operability procedures are being revised to include quick-start tests for the HPCI and RCIC systems. Performance testing procedures to monitor these two systems are also being developed to assure satisfactory system dynamic response.

Condenser Leakage

Peach Bottom 2 was shut down on March 21, 1980, for a planned major outage. Earlier, on March 6, conductivity in the "A1" section of the condenser had indicated leakage. Conductivity returned to normal, and condenser vacuum was maintained after water box A1 was vented and valved out on March 14.

After the plant was shut down, the condenser vacuum was broken, and atmospheric conditions were established in the condenser steam space. Condenser hot-well level increased as a result of leakage from the condensate storage tank through a leaking makeup valve. Water level in the hot well remained above the leaking condenser tube from March 31 through April 7, when the hot well was drained per normal plant-outage procedures.

Again on April 21, however, hot-well level increased for a short time above the leaking tube, due to condensate system leakage through the condenser makeup valve. The water in the condenser at this time may have contained radioactivity levels similar to those contained in the water from the reactor head cavity, because the head cavity had just recently been drained. During the periods that leakage occurred from the hot well to the circulating water system, however, at least one circulating water pump was operating. The radioactive water leak was thus diluted by at least 250,000 gpm.

Following the event, tube sheets in the A1 water box were surveyed. Areas indicating high contamination levels were leak tested, and the one leaking tube was then measured at various differential pressures. Analysis of these data combined with the hot-well level indicated that the total release of coolant inventory between March 31 and April 7 was 11,088 gal. During the release on April 21, 244 gal was released. The radiation released throughout the period totals 0.01 curie; a dose calculation based on the isotopes involved indicates a minimal exposure well below radiation dose limits.

The event was caused by a failure to recognize a series of circumstances that would allow release of water from the hot well to the circulating water system during an outage. Instructions have been issued to shift personnel to limit hot-well level below the condenser tubes at all times during operation and shutdown, and corresponding procedural changes are being made.

Jet Pump Assembly Failure

On February 2, 1980, while Dresden 3 was operating at about 67% power in a coastdown to a refueling outage, changes observed in plant parameters indicated that jet pump failure had occurred. An orderly plant shutdown was begun to bring the unit to cold shutdown within 24 h, per plant Technical Specifications.

The following changes in plant parameters were readily observed by the control room operator:

1. Generator electrical output decreased from 539 to 511 MW(e).
2. Core thermal power decreased by 15% as indicated by decreased average power-range monitor readings and steam flows to the turbine.

3. Indicated total core flow increased from 97.6×10^6 to 104.7×10^6 lb/h.
4. Core-plate differential pressure decreased from 16.1 to 13.8 psid.
5. "B" recirculation loop flow increased from 49×10^3 to 54×10^3 gpm, while A recirculation loop flow remained at 49×10^3 gpm.

Individual jet pump readings and jet pump operability surveillance indicated that jet pump 13 on the B recirculation loop had apparently disassembled.

During cold shutdown following vessel head removal and refueling, remote television and visual inspections of the jet pumps and vessel annulus were performed. These showed that the hold-down beam assembly of jet pump 13 had broken across its ligament sections at the mean diameter of the bolt thread areas. This beam assembly failure resulted in pump decoupling of the diffuser connection. Subsequent *in-situ* ultrasonic examination of the other jet pump hold-down beams revealed indications of cracking at the same location in six beams, with estimates of crack depth ranging from 6 to 20 mils.

In situ ultrasonic examination was also done on all jet pump hold-down beam assemblies at Quad Cities 2 on March 15 and 16, 1980, while the unit was shut down for refueling. Of the 20 assemblies examined, a crack was indicated on one beam. The crack was estimated to be in excess of 100 mils and in the same location as found on the beams at Dresden. At Pilgrim 1 on March 28, 1980, ultrasonic examination showed crack indications in three hold-down beam assemblies.

The damaged beam assemblies were replaced during the refueling outage at the units mentioned previously, and Dresden 3 was restarted on May 3, 1980. General Electric (the nuclear steam system supplier contractor) performed a metallurgical analysis and determined that intergranular stress corrosion cracking under sustained loading was the cause of the failure. They also reported this potential problem to other licensees with operating BWR units with jet pumps.

On April 4, 1980, the NRC issued Inspection and Enforcement (IE) Bulletin No. 80-07, "BWR Jet Pump Assembly Failure." The bulletin addressed the concern that the hold-down beam assemblies and subsequent jet pump function may degrade significantly during operation. This potential problem could lead to jet pump disassembly and possible reduction of the safety margin during postulated accidents.

Bulletin 80-07 also listed several actions to be taken by licensees of GE-designed BWR-3 and BWR-4 plants with operating licenses. Prior to restart, licensees with plants in a refueling outage when the bulletin was received were to (1) visually inspect (assisted by television cameras) jet pump structures, hold-down beam assembly, hold downs, wedge, and restrainer assembly for evidence of distress that could indicate loss of beam assembly preload; (2) conduct ultrasonic examinations of the jet pump hold-down beams at the midlength ligament areas bounding the beam bolt; and (3) notify the appropriate NRC regional office of completion of (1) and (2) and submit a 14-d report. Licensees with plants that were operating or resuming operation were requested to provide, within 30 d of the receipt of the bulletin, written justification of continued operation until inspections (1) and (2) were made and any defects corrected. Procedures for instructing plant operators on identification and response to sudden jet pump failure were to be reviewed and revised as required. The

NRC is currently considering appropriate long-term measures to better assure reliable jet pump operability.^{37,*}

Scram Discharge Volume Fails to Drain at Dresden 3

Following a manual scram at Dresden 3 on July 19, 1980, to gather data requested by IE Bulletin 80-17, an ultrasonic test of the west SDV revealed that the 4-in. pipe was 80% full after all level alarms cleared on the instrumented scram volume. The ultrasonic test of the east SDV revealed that they were, in fact, drained. Fifty-six minutes after the manual opening of the vent and drain valves, a ball check valve (installed as a vacuum breaker) was manually opened with some difficulty. Air inrush into the SDV through the valve was heard, and the ultrasonic test indicated that the SDV began draining at a faster rate. One hour and thirty-eight minutes after the vent and drain valves were opened, the west SDV 4-in. headers were drained.

The ball check valves on both the west and east SDV vent lines were removed, cleaned, and reinstalled. Also, an alternate, continuous, vent line path to the reactor building atmosphere was established on both units 2 and 3 on the vent piping between the SDV vent valves and drain for the reactor building equipment. To establish this positive vent path, the existing 1-in.-diam vent line was cut, opening the line to the reactor building atmosphere in the torus area. An extension was added to the cut vent line to extend it below the torus catwalk. The alternate vent path is open at all times and does not depend on any component operability other than the installed SDV vent valve.

On July 20, 1980, an automatic scram of Dresden 3 was initiated to complete the actions required by IE Bulletin 80-17. After the scam was reset and the vent and drain valves were manually opened, the east SDV 4-in. headers drained in 16 min and 36 s, and the west SDV 4-in. headers drained in 40 min and 36 s.

To ensure that the SDV remains drained and that sufficient volume is available to accommodate a scram, installation of a system to continuously monitor water level during operation is being investigated as required by IE Bulletin 80-17 Supplement 1.

SUMMARY

For 1980, 1547 event reports were submitted by licensees. Thirty-eight units were considered in this report: 25 were in commercial operation all year and submitted an average of 48 reports per unit; 1 unit in power ascension part of the year submitted 135 reports; 12 units under construction during the year submitted 21 reports. The system involved in

*This report was taken primarily with modifications from Ref. 34 (pp. 226 through 229) with the figures from Ref. 37. For additional information see Refs. 37 through 39.

the greatest number of events was the main cooling system. The most frequently reported equipment item was valves. Switches were the most frequently reported instrument and, as expected, set-point drift was the most frequently reported deficiency. Approximately 45% of the events reported were discovered during performance testing. Designers were identified as having been at fault in the largest number of reports - 137. Licensed operators were only identified as being at fault in 80 reports (<6%). In fairness, one should note that the LERs were written by people responsible for plant operations.

In conclusion, note that this review has presented negative aspects of BWR nuclear-power plant performance not to degrade this type of plant but rather to provide some guidance as to where additional effort could be expended to minimize failures and malfunctions. This review is intended to make a contribution to the safe operation and improved performance of BWR nuclear-power plants.

REFERENCES

1. Oak Ridge National Laboratory, Nuclear Safety Information Center (Comp.), *Abnormal Reactor Operating Experiences*, ORNL/NSIC-17 (August 1966).
2. Oak Ridge National Laboratory, Nuclear Safety Information Center (Comp.), *Abnormal Reactor Operating Experiences 1966-1968*, ORNL/NSIC-64 (October 1969).
3. Oak Ridge National Laboratory, Nuclear Safety Information Center (Comp.), *Abnormal Reactor Operating Experiences 1969-1971*, ORNL/NSIC-103 (May 1972).
4. Oak Ridge National Laboratory, Nuclear Safety Information Center (Comp.), *Reactor Operating Experiences 1972-1974*, ORNL/NSIC-121 (December 1975).
5. Oak Ridge National Laboratory, Nuclear Safety Information Center (Comp.), *Reactor Operating Experiences 1975-1977*, ORNL/NUREG/NSIC-144 (September 1978).
6. E. N. Cramer, "Safety-Related Occurrences in Reactor and Radioactivity-Handling Operations as Reported in 1966," *Nucl. Saf.* 9(3), 249-266 (May-June 1968).
7. E. N. Cramer and W. R. Casto, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1967 and 1968*, ORNL/NSIC-69 (July 1970).
8. R. L. Scott and W. R. Casto, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1969*, ORNL/NSIC-87 (August 1971).

9. R. L. Scott, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1970*, ORNL/NSIC-91 (December 1971).
10. R. L. Scott and R. B. Gallaher, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1971*, ORNL/NSIC-106 (September 1972).
11. R. L. Scott and R. B. Gallaher, *Safety-Related Occurrences in Nuclear Facilities as Reported in 1972*, ORNL/NSIC-109 (December 1973).
12. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Nuclear Power Plants as Reported in 1973*, ORNL/NSIC-114 (November 1974).
13. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Nuclear Power Plants as Reported in 1974*, ORNL/NSIC-122 (May 1975).
14. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Boiling-Water Nuclear Power Plants as Reported in 1975*, ORNL/NUREG/NSIC-126 (July 1976).
15. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Pressurized-Water Nuclear Power Plants as Reported in 1975*, ORNL/NUREG/NSIC-127 (July 1976).
16. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Boiling-Water Nuclear Power Plants as Reported in 1976*, ORNL/NUREG/NSIC-137 (September 1977).
17. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Occurrences in Pressurized-Water Nuclear Power Plants as Reported in 1976*, ORNL/NUREG/NSIC-138 (August 1977).
18. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Events in Boiling-Water Nuclear Power Plants as Reported in 1977*, ORNL/NUREG/NSIC-149 (November 1978).
19. R. L. Scott and R. B. Gallaher, *Annotated Bibliography of Safety-Related Events in Pressurized-Water Nuclear Power Plants as Reported in 1977*, ORNL/NUREG/NSIC-150 (November 1978).
20. R. L. Scott and R. G. Gallaher, *Summary and Bibliography of Safety-Related Events at Boiling-Water Nuclear Power Plants as Reported in 1978*, ORNL/NUREG/NSIC-164 (September 1979).
21. R. L. Scott and R. B. Gallaher, *Summary and Bibliography of Safety-Related Events at Pressurized-Water Nuclear Power Plants as Reported in 1978*, ORNL/NUREG/NSIC-165 (September 1979).

22. R. L. Scott and R. B. Gallaher, *Summary and Bibliography of Safety-Related Events at Pressurized-Water Nuclear Power Plants as Reported in 1979*, ORNL/NUREG/NSIC-179 (July 1981).
23. R. L. Scott and R. B. Gallaher, *Summary and Bibliography of Safety-Related Events at Boiling-Water Nuclear Power Plants as Reported in 1979*, ORNL/NUREG/NSIC-178 (June 1981).
24. K. E. McCormack and R. B. Gallaher, *Summary and Bibliography of Safety-Related Events at Pressurized-Water Nuclear Power Plants as Reported in 1980*, ORNL/NUREG/NSIC-196.
25. H. W. Bertini, *Descriptions of Selected Accidents That Have Occurred at Nuclear Reactor Facilities*, ORNL/NSIC-176 (April 1980).
26. *Code of Federal Regulations, Title 10, Energy. Parts 0 to 199*, Revised as of January 1, 1980.
27. U.S. Nuclear Regulatory Commission, *Compilation of Reporting Requirements for Persons Subject to NRC Regulations*, NRC Regulatory Guide 10.1, Rev. 3 (May 1977).
28. U.S. Nuclear Regulatory Commission, *Reporting of Operating Information - Appendix A, Technical Specifications*, NRC Regulatory Guide 1.16, Rev. 4 (August 1975).
29. 10 CFR 50.55, "Conditions of Construction Permits," Paragraph (e)(1), (e)(2), and (e)(3), *Fed. Regist.* 42: 43385 (Aug. 29, 1977).
30. ORNL, "Events Resulting in Reactor Shutdown and Their Causes," *Nucl. Saf.* 21(4), 510-511 (July-August 1980).
31. ORNL, "Events Resulting in Reactor Shutdown and Their Causes," *Nucl. Saf.* 21(5), 653-654 (September-October 1980).
32. ORNL, "Events Resulting in Reactor Shutdown and Their Causes," *Nucl. Saf.* 21(6), 781 (November-December 1980).
33. ORNL, "Events Resulting in Reactor Shutdown and Their Causes," *Nucl. Saf.* 22(1), 102-103 (January-February 1981).
34. ORNL, "Events Resulting in Reactor Shutdown and Their Causes," *Nucl. Saf.* 22(2), 236 (March-April 1981).
35. ORNL, "Events Resulting in Reactor Shutdown and Their Causes," *Nucl. Saf.* 22(3), 387 (May-June 1981).
36. ORNL, "Events Resulting in Reactor Shutdown and Their Causes," *Nucl. Saf.* 22(4), 516-517 (July-August 1981).
37. S. A. Massaro, *Power Reactor Events*, USNRC, Vol. 2, No. 5, September 1980.

38. S. Rubin and G. Lanik, Report on the Browns Ferry 3 Partial Failure to Scram Event on June 28, 1980, unnumbered NRC report, NRC, AEOD, July 30, 1980.
39. NRC, Office of I&E, Failure of 76 of 185 Control Rods to Fully Insert During A Scram at A BWR, IE Bulletin No. 80-17 Supplements 0, 1, 2, and 3.

INDEXES FOR BIBLIOGRAPHY

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KEYWORD INDEX

A COLLECTION OF KEYWORDS IS USED TO DENOTE THE MAIN SAFETY RELATED POINTS COVERED IN EACH ARTICLE. THE FOLLOWING INDEX IS AN ALPHABETICAL LISTING OF THE KEYWORDS GIVING REFERENCES TO EACH ARTICLE WHICH WAS KEYED TO IT.

ACCELERATION 157119 P360				159058 P 15	159059 P 15	150202 P 15	159564 P 16
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153733 P169	155320 P169	154877 P170	155567 P170	*CHARCOAL ADSORBER			
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	159407 P 69	159389 P115	154651 P262	158636 P281	160084 P153	158247 P214	153579 P222	153492 P224	
	162058 P345	160434 P481	160451 P547	154915 P552	155305 P270	157084 P275	154881 P304	156187 P312	
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	162488 P487	155395 P501	159242 P511	161898 P549	160459 P423	160817 P465	154740 P474	160073 P482	
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*COMPONENT COOLING SYSTEM	154610 P 48	155207 P 53	161451 P 97	161821 P120	161999 P 24	156954 P 36	153950 P 47	155192 P 51	
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154678	P166	155568	P168	153733	P169	155320	P169	159511	P443	159424	P445	159258	P445	160871	P446
155567	P170	155513	P173	160296	P174	156110	P175	163380	P448	153497	P448	153938	P449	153939	P449
155530	P175	155404	P175	159158	P180	159135	P180	154450	P449	155456	P452	155601	P452	155993	P453
160112	P183	160047	P185	160487	P185	160358	P187	155474	P453	155994	P454	155996	P454	155999	P455
160466	P187	160525	P187	160082	P188	160866	P189	160257	P457	160295	P459	158779	P459	160235	P461
160514	P190	160513	P190	160873	P191	163503	P191	160234	P461	159327	P461	159328	P462	160207	P462
160820	P193	161702	P194	161595	P194	161843	P195	160433	P464	160902	P465	150520	P466	161667	P467
161655	P195	161653	P196	162727	P197	161813	P200	162046	P468	162045	P469	159137	P471	159520	P472
162720	P204	161972	P206	162709	P202	163397	P203	160300	P472	160357	P472	161676	P473	162062	P473
162429	P205	155476	P205	153494	P207	154616	P209	162433	P473	154740	P474	153595	P475	154734	P475
154927	P209	155312	P210	155372	P210	158556	P211	155382	P476	156027	P477	159539	P478	159194	P478
163598	P212	158704	P215	159527	P216	159532	P216	159644	P479	159578	P479	150122	P480	161960	P480
159439	P217	160208	P217	160362	P217	160087	P218	160434	P481	160073	P482	150480	P482	160927	P483
160925	P220	160566	P220	161903	P222	153944	P224	161071	P483	161618	P485	151974	P486	162488	P487
155294	P225	155194	P225	155600	P226	163597	P226	158287	P487	154597	P488	153476	P489	155416	P490
155521	P227	156007	P228	156010	P228	156159	P229	155499	P490	155501	P491	160000	P492	156969	P493
157051	P230	157050	P231	156987	P231	158231	P232	163583	P494	160372	P495	150137	P495	159450	P496
158705	P233	160230	P234	160176	P235	159547	P236	161975	P496	160140	P497	150141	P497	159440	P497
160456	P236	161062	P236	161457	P238	160903	P238	160342	P498	160504	P499	152034	P500	153466	P500
161643	P239	154052	P241	153455	P242	155604	P242	153465	P501	155400	P502	154689	P503	155210	P504
155582	P243	155580	P243	157036	P244	156169	P244	156034	P506	156156	P506	158613	P508	158646	P509
157032	P245	156900	P246	159542	P246	159556	P247	159563	P509	159600	P510	159562	P510	159546	P512
159585	P247	159521	P248	159477	P249	159493	P249	158834	P514	158840	P515	159179	P515	159607	P516
159469	P249	159467	P250	159465	P250	163481	P250	159522	P517	159363	P518	159277	P519	159365	P519
159485	P251	159460	P251	159491	P251	159470	P252	159536	P519	159499	P520	150327	P521	160328	P521
159246	P253	169247	P253	160051	P255	160052	P255	160187	P522	160239	P523	160344	P524	159445	P524
161594	P255	161844	P256	162525	P256	161593	P255	160240	P524	160251	P525	160078	P525	160258	P526
162524	P257	162523	P258	162522	P258	162520	P259	160212	P526	160083	P527	160490	P527	160479	P527
162519	P259	163552	P259	163531	P260	154657	P260	160497	P528	160532	P528	160050	P528	160523	P529
154655	P261	154651	P262	154650	P262	154669	P265	161596	P530	160551	P531	160926	P531	160559	P532
153729	P266	153728	P267	154660	P267	153727	P267	160510	P532	160553	P532	163482	P534	161824	P534
154652	P268	154949	P268	154753	P269	155587	P270	161907	P535	162533	P536	153945	P536	153947	P537
155305	P270	155306	P272	155517	P273	156974	P274	153948	P538	153491	P538	154443	P538	154920	P539
158302	P276	158301	P276	158300	P276	158610	P277	155522	P539	156024	P540	156025	P540	156006	P541
163365	P278	163463	P278	157428	P281	158604	P282								

157039 P571	156889 P572	159480 P572	158722 P573	159621 P181	160146 P182	161059 P182	161070 P183
159171 P574	160103 P575	160337 P575	160297 P576	159451 P183	159356 P184	161602 P184	160367 P185
160897 P577	160062 P578	160930 P578	160535 P579	160047 P185	160487 P185	160499 P186	160464 P186
163453 P579	161955 P581			160466 P187	160866 P189	160514 P190	160513 P190
*FAILURE, FABRICATION ERROR				161656 P191	160873 P191	161984 P192	161985 P193
159547 P236	155471 P570			161595 P194	161758 P194	161655 P195	161653 P196
FAILURE, FABRICATION ERROR				161652 P197	162727 P197	161651 P197	162724 P198
156226 P 6	156929 P 28	153975 P 31	155532 P 55	161626 P198	161814 P199	161972 P201	163400 P203
154437 P 80	157735 P 89	161075 P156	160045 P186	158303 P204	156224 P205	153494 P207	154620 P207
155372 P210	160362 P217	155599 P227	159469 P249	155197 P208	154616 P209	155295 P209	155312 P210
159460 P251	160052 P255	156986 P365	161870 P424	160002 P211	157163 P211	157698 P212	160264 P213
156969 P493	163583 P494	158834 P514		159531 P215	159243 P215	159532 P216	159447 P216
FAILURE, FATIGUE				160208 P217	160087 P218	150056 P220	160925 P220
163598 P212	159680 P444			160566 P220	161871 P221	163379 P222	163515 P223
FAILURE, FUEL ELEMENT				153493 P223	155193 P225	156194 P225	163597 P226
162480 P159	161758 P194			155521 P227	156010 P228	155445 P229	156336 P229
FAILURE, INHERENT				156159 P229	156207 P230	157051 P230	157050 P231
154711 P 1	154710 P 1	154507 P 1	155527 P 3	157058 P231	156987 P231	158231 P232	157696 P232
155526 P 4	155310 P 4	155510 P 4	155512 P 5	156749 P232	160230 P234	160176 P235	159533 P235
156514 P 5	156225 P 6	159445 P 10	160275 P 10	159547 P236	161062 P236	160922 P237	161460 P237
160268 P 11	160324 P 11	160325 P 12	160262 P 12	161457 P238	160903 P238	161643 P239	161456 P239
159203 P 13	159215 P 13	159058 P 15	159059 P 15	163345 P239	153972 P240	154052 P241	155580 P243
159564 P 16	159561 P 16	159558 P 16	159411 P 17	155340 P243	156169 P244	157032 P245	156898 P245
160353 P 17	160457 P 18	160462 P 19	160856 P 19	156900 P246	159542 P246	159478 P248	159465 P250
160855 P 20	160851 P 21	160501 P 21	160801 P 21	159505 P252	159470 P252	159499 P252	159246 P253
160825 P 22	161716 P 22	161990 P 23	161999 P 24	159253 P253	160094 P254	150051 P255	161594 P255
161942 P 24	158271 P 27	153974 P 29	154904 P 32	161622 P256	161593 P257	152524 P257	162523 P258
154905 P 32	155482 P 33	157053 P 33	155473 P 34	162522 P258	162521 P258	162519 P259	154656 P261
157074 P 34	158574 P 35	157076 P 35	158266 P 36	154653 P261	154651 P262	154650 P262	154648 P263
158267 P 36	158268 P 37	158777 P 37	160291 P 38	154644 P263	154503 P264	154502 P264	154672 P264
159288 P 38	159257 P 39	160071 P 40	160043 P 40	154669 P265	154666 P265	154664 P265	153727 P267
160170 P 41	163495 P 41	163500 P 42	161674 P 42	154652 P268	154949 P268	155293 P269	154753 P269
161469 P 42	161982 P 43	161983 P 44	162017 P 44	155587 P270	155305 P270	155303 P270	155523 P271
163388 P 45	161913 P 45	153490 P 46	153950 P 47	155307 P272	155306 P272	155291 P272	156220 P273
154441 P 47	154440 P 47	154617 P 48	155296 P 49	155418 P273	156974 P274	156197 P274	157084 P275
154919 P 49	155292 P 50	155597 P 50	154917 P 51	158237 P275	158301 P276	158300 P276	156915 P277
155208 P 52	155209 P 52	155528 P 54	156026 P 54	163365 P278	157060 P278	153453 P278	158622 P279
156013 P 55	156014 P 56	156211 P 56	157033 P 57	158625 P279	158627 P280	158633 P280	158634 P281
156946 P 58	156878 P 59	158860 P 59	156961 P 60	158612 P282	158667 P282	160260 P283	160341 P284
157167 P 60	158631 P 62	163460 P 62	157700 P 62	159496 P284	159226 P285	160203 P286	160228 P287
158269 P 63	157737 P 64	158710 P 64	158293 P 65	159313 P288	159576 P288	159575 P288	159573 P289
160179 P 67	159418 P 68	159405 P 69	160225 P 70	159380 P289	159382 P290	160116 P290	160104 P290
161868 P 70	160305 P 71	160214 P 71	160155 P 72	160435 P291	160506 P291	150880 P292	160882 P292
160516 P 73	163340 P 73	160505 P 74	160906 P 74	161685 P292	162035 P295	163361 P295	163404 P296
163341 P 74	161453 P 75	160570 P 76	161796 P 77	153741 P297	153506 P297	154692 P298	153505 P298
161794 P 77	163338 P 78	163337 P 79	153489 P 79	153740 P300	154667 P301	157721 P302	153738 P303
154439 P 79	154438 P 80	155206 P 81	155205 P 81	154889 P303	159216 P304	154887 P305	155588 P305
155204 P 81	155592 P 82	155488 P 83	155489 P 83	155556 P305	155554 P306	155541 P307	155326 P307
156028 P 83	156031 P 84	156015 P 85	156337 P 85	156095 P309	156096 P309	156975 P311	156187 P312
156017 P 86	156213 P 86	157042 P 86	156948 P 87	157121 P313	157090 P313	157073 P314	156991 P315
158632 P 87	157736 P 88	158725 P 88	159162 P 89	158597 P316	158601 P318	160250 P318	158790 P319
160285 P 90	159685 P 90	159336 P 90	159340 P 91	158817 P320	158754 P321	150269 P321	159501 P323
159398 P 92	160302 P 92	159395 P 92	160213 P 93	159502 P324	159508 P324	159510 P325	158684 P326
160092 P 94	160153 P 94	160921 P 95	160907 P 95	159673 P326	159567 P326	159669 P327	158685 P327
161065 P 96	161894 P 96	161792 P 98	161833 P 98	158688 P328	159588 P328	159589 P330	159189 P330
161866 P 99	161864 P 99	161863 P100	153458 P101	159316 P331	159434 P332	159271 P333	159290 P333
153457 P102	153456 P102	154483 P103	154707 P103	159323 P334	159291 P334	159442 P334	159314 P335
154896 P103	155341 P104	155503 P105	156072 P105	160128 P335	159248 P335	159631 P337	159408 P338
157005 P106	158235 P106	156965 P106	158537 P107	160138 P338	160145 P339	160810 P339	160493 P340
157715 P107	157436 P107	157437 P108	157438 P108	160868 P340	161951 P341	161614 P342	161795 P342
157716 P109	159490 P110	159488 P110	159416 P112	162743 P343	162413 P344	154624 P346	154622 P348
159650 P113	159284 P113	159245 P114	159393 P114	154574 P348	154948 P348	153753 P349	154944 P350
159391 P115	159389 P115	160126 P115	160216 P116	154940 P351	154744 P351	154739 P352	155299 P353
160330 P116	160080 P116	161683 P117	161598 P118	154737 P354	156116 P355	160143 P355	156130 P356
161633 P118	161620 P119	161619 P120	161821 P120	155433 P357	156133 P358	155449 P358	156108 P358
161959 P120	161936 P121	161935 P121	161934 P122	155454 P359	156117 P359	156118 P359	156121 P360
154513 P122	154511 P122	154730 P123	154557 P123	157119 P360	157129 P361	157132 P362	156996 P362
154554 P124	154522 P124	154712 P125	154510 P125	156992 P362	156990 P363	163451 P363	156222 P364
154518 P125	154516 P126	154514 P126	154508 P126	158299 P364	158310 P367	157072 P367	158308 P368
154676 P127	153732 P127	155665 P127	153731 P128	158643 P370	156936 P370	156934 P373	163462 P373
154882 P130	155552 P131	156228 P131	154880 P131	156958 P374	156857 P375	156856 P375	156940 P376
155397 P132	156227 P133	157057 P134	157055 P134	156883 P376	158644 P378	156863 P378	158656 P379
155311 P135	160306 P135	156175 P135	155308 P136	158662 P379	158245 P380	157702 P380	158671 P381
156176 P136	156183 P137	156184 P137	156186 P138	158674 P382	158675 P382	159594 P384	163461 P385
159161 P138	159444 P139	160301 P139	156928 P139	159593 P385	159629 P385	158771 P386	159592 P386
159164 P140	158607 P140	156526 P141	156993 P141	159591 P386	158774 P387	159670 P388	160100 P389
160304 P141	160317 P142	156920 P142	156932 P143	159306 P391	159307 P391	159312 P392	159310 P393
158605 P144	158545 P144	158800 P144	159166 P145	159305 P394	159319 P394	159373 P396	160370 P396
158658 P145	158661 P145	159143 P146	159197 P146	160450 P397	160455 P397	160518 P398	160509 P398
159199 P147	160211 P148	160201 P148	160108 P149	160519 P399	161712 P399	151872 P400	161473 P401
160204 P149	159138 P150	160403 P150	160205 P150	161770 P402	160802 P403	151628 P403	161854 P403
160467 P151	160159 P152	160084 P153	160865 P153	161914 P404	161852 P404	151845 P404	161759 P405
160864 P154	161650 P154	161687 P155	160534 P155	162417 P405	161880 P406	161881 P406	162702 P408
163468 P157	163506 P157	163391 P158	162414 P160	163445 P408	162085 P409	162086 P409	160292 P410
154495 P161	154492 P298	154559 P162	154733 P162	159437 P411	160844 P411	162008 P412	156223 P412
154662 P163	153737 P164	153735 P165	155323 P165	158307 P413	158309 P413	157165 P413	160363 P414
154678 P166	153734 P166	155575 P166	155570 P167	160364 P415	160454 P415	161888 P415	162530 P417
154883 P169	155320 P169	155567 P170	158755 P171	162014 P417	162016 P418	152536 P418	155195 P420
156107 P173	155317 P173	155513 P173	160296 P174	158005 P421	158276 P422	159289 P423	160459 P423
156110 P175	155404 P175	156112 P176	156930 P176	160060 P423	160923 P424	163692 P427	155191 P428
156938 P178	159604 P178	158655 P179	159603 P179	156237 P428	156238 P428	156239 P429	156240 P429

156044	P430	156241	P430	156242	P431	156243	P431	155482	P 33	157053	P 33	157074	P 34	158266	P 36
156244	P432	156245	P432	156879	P434	160374	P436	158267	P 36	158268	P 37	158777	P 37	160291	P 38
160210	P437	160918	P437	161895	P438	154447	P439	159288	P 38	159257	P 39	160071	P 40	160170	P 41
155298	P440	160001	P441	160003	P441	158697	P441	163495	P 41	153950	P 47	154440	P 47	155296	P 49
159235	P442	158780	P443	160313	P444	159424	P445	154919	P 49	155595	P 51	154917	P 51	155208	P 52
160862	P446	163380	P448	153497	P448	155566	P451	157030	P 58	156946	P 58	156860	P 59	157167	P 60
155557	P451	155560	P452	155456	P452	155994	P454	156945	P 61	163568	P 61	153460	P 62	158269	P 63
155996	P454	155999	P455	157006	P455	157162	P456	158295	P 65	158293	P 65	159418	P 68	159399	P 68
157699	P456	160257	P457	160261	P458	160263	P459	159407	P 69	159404	P 70	160225	P 70	161868	P 70
160295	P459	159326	P460	160236	P460	160235	P461	160305	P 71	160157	P 72	160156	P 73	160516	P 73
159327	P461	159328	P462	160326	P462	160207	P462	163340	P 73	160906	P 74	163341	P 74	161453	P 75
159672	P463	160433	P464	160817	P465	160148	P465	161893	P 76	161796	P 77	153338	P 78	153489	P 79
160863	P466	161667	P467	161763	P467	161873	P468	154439	P 79	154438	P 80	155205	P 81	155204	P 81
162046	P468	162045	P469	162044	P469	163385	P470	155488	P 83	156015	P 85	156337	P 85	157042	P 86
162041	P470	154622	P348	159137	P471	159520	P472	156948	P 87	158632	P 87	157743	P 88	158725	P 88
160300	P472	160357	P472	161676	P473	162433	P473	159162	P 89	160285	P 90	159085	P 90	159336	P 90
153477	P474	155380	P476	155382	P476	156027	P477	160213	P 93	160907	P 95	160183	P 98	161866	P 99
159578	P479	159483	P480	160122	P480	161960	P480	161664	P 99	153457	P102	153456	P102	158235	P106
160333	P481	160434	P481	160485	P481	160073	P482	158537	P107	157715	P107	157716	P109	159492	P109
160927	P483	160550	P483	161071	P483	161779	P484	159108	P110	158291	P111	158082	P112	159284	P113
161638	P484	161618	P485	161561	P485	161967	P485	159352	P113	159245	P114	150115	P114	159389	P115
162487	P486	158287	P487	154597	P488	154017	P488	160330	P116	161598	P118	151633	P118	161599	P119
153476	P489	154729	P489	155585	P489	155416	P490	161620	P119	161935	P121	151934	P122	154730	P123
155499	P490	155347	P491	155998	P491	160000	P492	154557	P123	154554	P124	154522	P124	154712	P125
156971	P492	159410	P493	157744	P494	159095	P494	154510	P125	154518	P125	154516	P126	154514	P126
160373	P495	160137	P495	161975	P496	160140	P497	164676	P127	153732	P127	155058	P127	150115	P128
160141	P497	159440	P497	160332	P498	160431	P498	153731	P128	155559	P129	154876	P130	154882	P130
160489	P498	161772	P499	155395	P501	155398	P502	154880	P131	156227	P133	157057	P134	157055	P134
155400	P502	154689	P503	154592	P504	154899	P505	160386	P135	156175	P135	155308	P136	160387	P136
156034	P506	157044	P507	156158	P507	157021	P508	156184	P137	156186	P138	159160	P138	159161	P138
158613	P508	156646	P509	159563	P509	159562	P510	160301	P139	156926	P141	150340	P141	160317	P142
159242	P511	159551	P511	159552	P512	159546	P512	156932	P143	158605	P144	158545	P144	158600	P144
159610	P513	159083	P516	159522	P517	159277	P519	158661	P145	159143	P146	159197	P146	159211	P147
159365	P519	159536	P519	159280	P520	159268	P520	160211	P148	159210	P148	160201	P148	160108	P149
160345	P521	160239	P523	160344	P524	160240	P524	160204	P149	159138	P150	150206	P151	160467	P151
160251	P525	160078	P525	160252	P526	160212	P526	160159	P152	160130	P152	150084	P153	163394	P153
160083	P527	160532	P528	160050	P528	160523	P529	160864	P154	161650	P154	161687	P155	160534	P155
161596	P530	160528	P530	160909	P530	160926	P531	160816	P157	163468	P157	153506	P157	161811	P158
160910	P532	160553	P532	161940	P534	161824	P534	163502	P159	154492	P298	154559	P162	154733	P162
161907	P535	161937	P535	161908	P536	153948	P538	154662	P163	155538	P164	153736	P164	153735	P165
153491	P538	154920	P539	155369	P540	156024	P540	153734	P166	155575	P166	154077	P167	155572	P167
156004	P541	156006	P541	157008	P542	156962	P542	155570	P167	155534	P168	154883	P169	158755	P171
158629	P543	156912	P543	156664	P543	158751	P544	155531	P171	156107	P173	155317	P173	156112	P176
159281	P546	159331	P545	160452	P546	162541	P546	156930	P176	158603	P176	156939	P177	156938	P178
160451	P547	160091	P548	161063	P548	161898	P549	159604	P178	158655	P179	159633	P179	158732	P180
153487	P550	154916	P551	154615	P552	155490	P552	159621	P181	159690	P181	151577	P181	160146	P182
155491	P552	155985	P553	157065	P553	156019	P554	161069	P182	161070	P183	159451	P183	159356	P184
156161	P554	159569	P555	156942	P555	158495	P556	161602	P184	160367	P185	160499	P186	160045	P186
158714	P556	159241	P557	159342	P557	159344	P557	160464	P186	160867	P188	152713	P189	161945	P189
159524	P558	159689	P558	160067	P559	160835	P559	160514	P190	161656	P192	161984	P192	161985	P193
160567	P559	160878	P560	161455	P560	163490	P560	160819	P193	161652	P197	161651	P197	161947	P198
161458	P561	161900	P562	161901	P562	161902	P562	161626	P198	161814	P199	151817	P199	161816	P200
163335	P563	161861	P563	163334	P564	162032	P564	161981	P201	162707	P202	162706	P202	163400	P203
153481	P565	153480	P565	154714	P566	154875	P566	155394	P204	155396	P204	158303	P204	154620	P207
154606	P566	154604	P567	154600	P568	155589	P568	155197	P208	155295	P209	150032	P211	157163	P211
155992	P569	156151	P570	157081	P571	157039	P571	159531	P215	159243	P215	159447	P216	160824	P219
156889	P572	158722	P573	158703	P573	159171	P574	160056	P220	160566	P220	160524	P221	161871	P221
159172	P574	160103	P575	159525	P575	160337	P575	163379	P222	163371	P223	163515	P223	153493	P223
160297	P576	160895	P576	160897	P577	160062	P578	155193	P225	155599	P227	155445	P229	156336	P229
160930	P578	160535	P579	163493	P579	160093	P580	157058	P231	157696	P232	158749	P232	158750	P233
161955	P581							158821	P233	158229	P235	159533	P235	160456	P236
FAILURE, INSTALLATION ERROR															
159205	P 13	161715	P 23	158248	P 29	153935	P 29	161062	P236	160922	P237	151450	P237	161456	P239
154459	P 32	161911	P 45	154610	P 48	155595	P 51	154051	P241	159478	P248	159505	P252	159299	P252
156011	P 55	157017	P 59	161452	P 96	159484	P111	159253	P253	159251	P254	151622	P256	162521	P258
163394	P153	160525	P187	161843	P195	155396	P204	154656	P261	154653	P261	154644	P263	154505	P263
153940	P207	163598	P212	159439	P217	160524	P221	154503	P264	154502	P264	154672	P264	154664	P265
163371	P223	156007	P228	161882	P237	157036	P244	154654	P268	155293	P269	155303	P270	155525	P271
156899	P246	159565	P247	162520	P259	153728	P267	155523	P271	155307	P272	156220	P273	155418	P273
155517	P273	156196	P274	156198	P275	161799	P293	156197	P274	156915	P277	157060	P278	158625	P279
154670	P300	156972	P311	157091	P312	158788	P319	158627	P280	158628	P280	158633	P280	158634	P281
158791	P320	159498	P323	159614	P328	160840	P341	158636	P281	158667	P282	150250	P283	160341	P284
162742	P344	162087	P346	156983	P365	163424	P366	159222	P285	159226	P285	159104	P286	160228	P287
156994	P370	156941	P371	159067	P388	160511	P398	159313	P288	159576	P288	159575	P288	159573	P289
160522	P399	160841	P401	162146	P408	163357	P411	159380	P289	163363	P289	159382	P290	160104	P290
159128	P422	158593	P442	159258	P445	155601	P452	160435	P291	160882	P292	151782	P294	161717	P294
155474	P453	158250	P457	160520	P466	154691	P503	163361	P295	163404	P296	163403	P296	154492	P298
155210	P504	159600	P510	161606	P533	163482	P534	154493	P298	153738	P303	154881	P304	155588	P305
160904	P548	161454	P549					155556	P305	155554	P306	155326	P307	156095	

157159 P373	163462 P373	156858 P374	156857 P375	161679 P426	159204 P435	150336 P437	158696 P442
156940 P376	156883 P376	157157 P377	158644 P378	158695 P456	158270 P458	150354 P463	161877 P468
156863 P378	156662 P379	158674 P382	158675 P382	160480 P482	159555 P511	159550 P512	158768 P513
159594 P384	159593 P385	159629 P385	158771 P386	159523 P516	160530 P529	159413 P545	160059 P547
159592 P386	159591 P386	158774 P387	159159 P390	155190 P567	161637 P578	151627 P580	
159306 P391	159584 P391	159307 P391	159310 P393	*FAILURE, PIPE			
159305 P394	159376 P395	160370 P396	160040 P397	157737 P 64			
160450 P397	160455 P397	160518 P398	160519 P399	FAILURE, PIPE			
161872 P400	161473 P401	155155 P420	156157 P421	155527 P 3	153974 P 29	154615 P 48	155209 P 52
158276 P422	159289 P423	160459 P423	160923 P424	154732 P162	155407 P171	157059 P174	158554 P212
155191 P428	156044 P430	154447 P439	154932 P440	156207 P230	161882 P237	153972 P240	154053 P241
155298 P440	159235 P442	158780 P443	159513 P444	155340 P243	156898 P245	156899 P246	157090 P313
160313 P444	160058 P446	160862 P446	155557 P451	158724 P329	163461 P385	153357 P411	153488 P427
155560 P452	157162 P456	158695 P456	157699 P456	163492 P427	154449 P450	155566 P451	160432 P464
160256 P458	160261 P458	159326 P460	160236 P460	160863 P466	156971 P492	155211 P504	160091 P548
160326 P462	160354 P463	159672 P463	159675 P464	155987 P553	158714 P556	150828 P579	
160817 P465	160148 P465	161644 P466	161763 P467	*FAILURE, SCRAM			
161973 P468	162044 P469	163385 P470	162041 P470	158291 P111			
153477 P474	154736 P476	155380 P476	159483 P480	FAILURE, SCRAM MECHANISM			
160333 P481	160485 P481	160550 P483	161779 P484	160907 P 95	163405 P111	159644 P479	
161638 P484	161961 P485	161967 P485	161909 P486	FAILURE, SEQUENTIAL			
162487 P486	162047 P487	154017 P488	154729 P489	154505 P263	155416 P490		
155585 P489	155347 P491	155998 P491	159410 P493	FAILURE, SIMULTANEOUS			
160294 P493	157744 P494	160373 P495	160431 P498	156228 P131			
160489 P498	161772 P499	161755 P500	153970 P501	FAILURE, TUBING			
155395 P501	154899 P505	157044 P507	156158 P507	156218 P 27	154459 P 32	159391 P115	156224 P205
157021 P508	159600 P510	159242 P511	159555 P511	160087 P218	163345 P239		
159551 P511	159552 P512	159546 P512	159610 P513	FALL OUT			
158768 P513	160042 P514	159083 P516	159383 P517	162480 P159	163381 P296	153383 P447	154592 P504
159385 P517	159280 P520	159268 P520	160345 P521	161074 P533			
159463 P522	160232 P523	160252 P526	160894 P529	*FASTENER			
160528 P530	160909 P530	161937 P535	155369 P540	160551 P 75	153460 P101	153728 P267	153505 P298
156004 P541	156962 P542	156912 P543	156964 P543	161951 P341	163583 P494	159463 P522	
159413 P545	160451 P547	156491 P552	155985 P553	FASTENER			
159342 P557	159344 P557	161458 P561	153480 P565	156226 P 6	160457 P 18	150452 P 19	161982 P 43
154714 P566	154606 P566	154600 P568	156151 P570	156013 P 55	157168 P 63	158710 P 64	161794 P 77
156989 P573	158703 P573	159525 P575	160064 P576	159398 P 92	160302 P 92	154590 P100	153461 P100
160895 P576	161627 P580	160093 P580	162048 P581	159391 P115	161959 P120	154883 P169	161977 P181
FAILURE, LATENT				162724 P198	160266 P214	156007 P228	154052 P241
161715 P 23	162414 P160	153504 P299	159216 P304	159470 P252	154670 P300	162742 P344	158675 P382
155993 P453	155497 P570			161853 P402	161881 P406	159128 P422	156012 P433
*FAILURE, MAINTENANCE ERROR				157006 P455	160433 P464	154915 P552	
160486 P340	156933 P372	161874 P401		FATIGUE			
FAILURE, MAINTENANCE ERROR				159340 P 91	156971 P492		
156083 P 8	163370 P 25	159069 P 27	158665 P 28	*FAULT			
161980 P 43	157030 P 58	158255 P 65	159449 P 67	156960 P 58	155400 P502		
159399 P 68	159407 P 69	159404 P 70	154590 P100	FAULT			
153461 P100	153460 P101	153459 P101	158682 P112	156013 P 55	157017 P 59	153459 P101	154683 P103
161621 P119	155515 P132	155399 P134	159211 P147	154712 P125	156922 P142	151575 P496	
160407 P152	163393 P155	155534 P168	158603 P176	*FEEDWATER			
156939 P177	159690 P181	160082 P188	160867 P188	156159 P229	156915 P277	156422 P364	161845 P404
162713 P189	161945 P189	162720 P200	162709 P202	159680 P444	163380 P448	153476 P489	159480 P572
162706 P202	162429 P205	154618 P208	157686 P213	FEEDWATER			
160266 P214	159527 P216	153944 P224	154051 P241	161983 P 44	155518 P227	159618 P383	161854 P403
153455 P242	155604 P242	155582 P243	162525 P256	161759 P405	162085 P409	152086 P409	160815 P546
154660 P267	154654 P268	158636 P281	163363 P289	FILTER EFFICIENCY			
161782 P294	161717 P294	154665 P301	155411 P310	154446 P439			
157089 P314	156995 P317	158446 P322	159627 P329	*FILTER SYSTEM			
159064 P330	159065 P331	160810 P339	154738 P354	157121 P313			
158297 P367	158726 P369	157159 P373	159092 P387	FILTER, BED			
159304 P393	163464 P414	161890 P418	156157 P421	156486 P365			
157402 P421	158553 P434	158818 P434	159511 P443	*FILTER, HEPA			
159513 P444	163384 P447	153939 P449	154450 P449	160520 P466			
155557 P451	155443 P454	158779 P459	160432 P464	*FILTER, SCREEN			
160902 P465	159644 P479	160294 P493	161755 P500	159051 P 14	159437 P411		
153970 P501	158646 P509	159403 P522	150624 P542	FILTER, SCREEN			
158708 P544	159155 P550	160564 P561	156882 P571	162062 P473			
*FAILURE, OPERATOR ERROR				*FILTERS			
160447 P 72	160115 P114	155314 P133	155568 P168	154675 P 26	160056 P220	160925 P220	159408 P338
160358 P187	160135 P337	156935 P372	154934 P450	156986 P365	156935 P372	161071 P483	154920 P539
FAILURE, OPERATOR ERROR				FILTERS			
153730 P 2	154874 P 3	156078 P 7	158304 P 8	159069 P 27	154495 P261	152727 P197	155372 P210
158305 P 9	160827 P 20	161752 P 22	161926 P 25	159447 P216	153972 P240	156972 P311	160844 P411
154675 P 26	155516 P 26	156218 P 27	156984 P 34	161676 P473			
154918 P 50	157046 P 57	158727 P 66	159192 P 66	*FIRE			
159212 P 67	160156 P 73	161886 P 75	161754 P 78	154694 P502			
155594 P 82	155365 P 82	159337 P 91	160298 P 93	FIRE			
163596 P 93	155391 P104	159352 P113	155555 P129	158646 P509			
156922 P142	160407 P152	158602 P178	161977 P181	*FIRE PROTECTION			
160514 P190	160874 P191	163503 P191	160820 P193	154874 P 3	158304 P 8	158271 P 27	158665 P 28
161654 P196	163397 P203	159515 P206	158247 P214	163389 P 44	163460 P 62	157737 P 64	160218 P 71
158704 P215	160824 P219	160823 P219	161793 P221	160570 P 76	158596 P109	158882 P112	162414 P160
159556 P247	158686 P248	159477 P249	154661 P266	162412 P160	155396 P204	158303 P204	162429 P205
155550 P269	156955 P277	158628 P280	157428 P281	155476 P205	153940 P207	160362 P217	160361 P218
158604 P282	160272 P283	159104 P286	160917 P293	160461 P219	160823 P219	159446 P253	154651 P262
156080 P307	158598 P316	158611 P316	158599 P317	153727 P267	156198 P275	158302 P276	159496 P284
159500 P322	159627 P329	159320 P336	161949 P343	161799 P293	161992 P295	157090 P313	160406 P340
162741 P344	154942 P350	154741 P352	155300 P353	160840 P341	162742 P344	152058 P345	162087 P346
156132 P357	158298 P366	157157 P377	158652 P380	154738 P354	159304 P393	150841 P401	162008 P412
158673 P381	159618 P383	159159 P390	159292 P390	161890 P418	157402 P421	158593 P442	160058 P446
159308 P352	160845 P400	161891 P416	161631 P416	155996 P454	158250 P457	160263 P459	155382 P476

159194 P478	155395 P501	154899 P505	156034 P506	163596 P 93	160496 P 95		
157021 P508	159083 P516	159268 P520	160083 P527	FUEL HANDLING			
161596 P530	161907 P535	161637 P578		156078 P 7	160447 P 72	160298 P 93	154934 P450
FIRE PROTECTION				156973 P478	156065 P505	160059 P547	
160824 P219	157036 P244	159232 P329	160902 P465	*FUEL HANDLING MACHINE			
162433 P473	159552 P512	159523 P516		161863 P100			
*FISSION PRODUCTS				FUEL INTEGRITY			
162743 P343				163596 P 93			
FITZPATRICK (BWR)				*FUEL LOADING			
154657 P260	154656 P261	154655 P261	154653 P261	156078 P 7	160447 P 72	154934 P450	
154651 P262	154650 P262	154648 P263	154644 P263	FUEL MANAGEMENT			
154505 P263	154503 P264	154502 P264	154672 P264	154608 P427			
154669 P265	154666 P265	154664 P265	154661 P266	*FUEL ROD			
153729 P266	153728 P267	154660 P267	153727 P267	154448 P438	154445 P439		
154654 P268	154652 P268	154949 P268	155293 P269	FUEL ROD			
155550 P269	154753 P269	155587 P270	155305 P270	155196 P419			
155303 P270	155525 P271	155525 P271	155523 P271	*FUEL, FOSSIL			
155523 P271	155307 P272	155306 P272	155291 P272	159424 P445	159483 P480		
155517 P273	156220 P273	155418 P273	156974 P274	FUEL, FOSSIL			
156196 P274	156197 P274	156198 P275	157084 P275	159490 P110	160361 P218	150052 P255	154574 P348
158237 P275	158302 P276	158301 P276	158300 P276	158646 P509	160078 P525		
156955 P277	156915 P277	158610 P277	163365 P278	*FUSE			
157060 P278	163463 P278	158622 P279	158625 P279	162048 P581			
158627 P280	158628 P280	158633 P280	158634 P281	FUSE			
158636 P281	157428 P281	158604 P282	158612 P282	158620 P 10	161794 P 77	159161 P138	160211 P148
158667 P282	160260 P283	160259 P283	160272 P283	158695 P179	159603 P179	159505 P252	159373 P395
160341 P284	158676 P284	159496 P284	159222 P285	158618 P434	160073 P482	160927 P483	160504 P499
159226 P285	159104 P286	160203 P286	160227 P286	160910 P532	159689 P558	163335 P563	160103 P575
160228 P287	159571 P287	159581 P287	159313 P288	160093 P580			
159576 P288	159575 P288	159573 P289	159380 P289	GAS			
163363 P289	159382 P290	160116 P290	160104 P290	160277 P321	160207 P462	159546 P512	
160435 P291	160506 P291	160498 P291	160880 P292	GENERAL ELECTRIC			
160882 P292	161685 P292	160917 P293	161799 P293	156945 P 61			
161768 P294	161782 P294	161717 P294	162035 P295	*GENERATOR, DIESEL			
161992 P295	163361 P295	163404 P296	163403 P296	153730 P 2	155401 P 6	155403 P 7	158616 P 9
163381 P296				159058 P 15	160801 P 21	158665 P 28	161980 P 43
*FLANGE				161982 P 43	154441 P 47	158727 P 66	157009 P105
162008 P412				157438 P108	160216 P116	151633 P117	156993 P141
FLANGE				156922 P142	160130 P152	161075 P156	153494 P207
159398 P 92	159391 P115			159470 P252	154949 P268	158676 P284	153506 P297
*FLAW				156095 P309	156975 P311	158683 P325	154574 P348
154615 P 48	155407 P171	156899 P246		155313 P350	156988 P364	158298 P366	158296 P371
FLAW				159312 P392	160441 P396	151853 P402	159424 P445
156076 P172	156958 P374	160926 P531		155999 P455	159194 P478	157021 P508	158646 P509
FLOOD				160078 P525	156006 P541	161063 P548	
161898 P549				GENERATOR, DIESEL			
*FLOW				163337 P 79	159490 P110	155312 P210	159532 P216
158272 P 63	153459 P101	153458 P101	154644 P263	157050 P231	153505 P298	159538 P324	161881 P406
154887 P305	153705 P349	156990 P363	160003 P441	159483 P480	160328 P521	161898 P549	
FLOW				*GENERATOR, MOTOR			
155538 P164	154877 P170	156112 P176	159382 P290	156213 P 86	162709 P202	160506 P291	157073 P314
153740 P300	155588 P305	158599 P317	155433 P357	160479 P527	158629 P543	159689 P558	
159127 P381	159958 P491	159551 P511	159610 P513	GENERATOR, MOTOR			
159413 P545	156151 P570			156960 P 58	156862 P 60	155592 P 82	156028 P 83
*FLOW BLOCKAGE				157736 P 88	161795 P342		
157437 P108	158779 P459			*GENERATORS			
FLOW BLOCKAGE				154753 P269	163463 P278	160116 P290	159189 P330
157700 P 62	156337 P 85	155503 P105	157438 P108	159323 P334	153705 P349	156940 P376	160103 P575
159393 P114	161619 P120	161821 P120	157055 P134	GENERATORS			
155531 P171	162707 P202	154644 P263	155523 P271	155323 P165	159691 P337	154739 P352	
160227 P286	159581 P287	159408 P338	160003 P441	*GROSS ALPHA			
161676 P473	162062 P473	161909 P486	160523 P529	159069 P 27			
153947 P537	156024 P540	154600 P568		*GROSS BETA			
FLOW, BYPASS				162396 P159			
161618 P485				*HALOGEN			
*FLOW, RECIRCULATION				157167 P 60			
154437 P 80	155365 P 82	157736 P 88		HATCH 1 (BWR)			
FLOW, RECIRCULATION				153503 P299	154492 P298	153741 P297	153506 P297
158609 P 9	155207 P 53	155594 P 82	155592 P 82	154492 P298	154493 P298	153505 P298	153504 P299
156213 P 86	160126 P115	158607 P140	155567 P170	153603 P299	154670 P300	153740 P300	154668 P301
155407 P171	160456 P236	154654 P268	154887 P305	154667 P301	154665 P301	154663 P302	157721 P302
161795 P342	159315 P394	154444 P419	161870 P424	153739 P303	153738 P303	154889 P303	154881 P304
155560 P452	161824 P534	159689 P558	157039 P571	159216 P304	154887 P305	155588 P306	155556 P308
FLOW, TURBULENT				154884 P306	155554 P306	155541 P307	155326 P307
161844 P256				156080 P307	156082 P308	156085 P308	156091 P309
*FOOD CHAIN				156095 P309	156096 P309	156100 P310	155411 P310
156067 P506	158846 P514	159427 P518	161074 P533	155410 P310	156975 P311	156972 P311	157122 P312
FOOD CHAIN				156187 P312	157091 P312	157121 P313	157090 P313
162480 P159	160498 P291	163381 P296	163383 P447	157089 P314	157073 P314	157123 P314	156953 P315
154592 P504	157023 P507			160289 P315	156991 P315	158597 P316	158598 P316
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153735 P165	155323 P165	155572 P167	158755 P171	162480 P159	156110 P175	155404 P175	161758 P194
159604 P178	158732 P180	159621 P181	159690 P181	162720 P200	156224 P205	157698 P212	159532 P216
161069 P182	159356 P184	160045 P186	161656 P192	159439 P217	160208 P217	155518 P227	155521 P227
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156336 P229	158749 P232	158750 P233	158821 P233	156915 P277	153741 P297	156187 P312	160269 P321
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159313 P288	159576 P288	160435 P291	162035 P295	156005 P421	159680 P444	153380 P448	155566 P451
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158726 P369	158643 P370	156856 P375	156883 P376	155587 P553	155987 P553	158714 P556	159241 P557
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160455 P397	160518 P398	161473 P401	161914 P404	159575 P288	154621 P347	156940 P376	158768 P513
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160923 P424	155191 P428	154932 P440	159235 P442	LEAK DETECTION			
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156912 P543	160451 P547	155565 P553	159342 P557	155432 P356	156131 P356	155449 P358	157132 P362
159344 P557	160067 P559	160835 P559	160878 P560	156222 P364	163424 P366	158308 P368	161854 P403
161455 P560	160564 P561	161901 P562	159525 P575	161914 P404	161852 P404	161845 P404	158307 P413
*INSTRUMENT, TEMPERATURE				162016 P418	160060 P423	156237 P428	156238 P428
160906 P 74				156239 P429	156240 P429	156241 P430	156242 P431
INSTRUMENT, TEMPERATURE				156243 P431	156244 P432	156245 P432	154689 P503
159399 P 68 159407 P 69				161824 P534			
INSTRUMENT, TESTING				LEAK RATE			
154905 P 32				162017 P 44	155532 P 55	162720 P200	155521 P227
*INSTRUMENT, VOLTAGE				156159 P229	161880 P406	152733 P407	162538 P417
159138 P150 155323 P165				162014 P417	162536 P418	159562 P510	
INSTRUMENT, VOLTAGE				*LICENSED OPERATOR			
160906 P 74 159488 P110				160156 P 73	160514 P190	150674 P191	160820 P193
*INSTRUMENTS, MISC.				156955 P277	159500 P322	160059 P547	
160130 P152 158628 P280				LICENSED OPERATOR			
INSTRUMENTS, MISC.				156078 P 7	160827 P 20	151752 P 22	161926 P 25
154513 P122 161075 P156				156218 P 27	158727 P 66	159192 P 66	159212 P 67
160259 P283 153740 P300				160447 P 72	161886 P 75	151754 P 78	155594 P 82
*INSULATION				155365 P 82	160298 P 93	163596 P 93	159352 P113
156860 P 59				160115 P114	155314 P133	155558 P168	158602 P178
INSULATION				160358 P187	163503 P191	163497 P203	158247 P214
159422 P436				159556 P247	158686 P248	155550 P269	158628 P280
*INTAKE				158604 P282	160272 P283	159104 P286	158598 P316
159051 P 14 159437 P411				158599 P317	159627 P329	150135 P337	162741 P344
INTAKE				154942 P350	154741 P352	155400 P353	156132 P357
155433 P357 163357 P411				158298 P366	156935 P372	157157 P377	157157 P377
*INVERTER				158652 P380	158673 P381	159159 P390	159308 P392
160506 P291				160845 P400	161891 P416	151631 P416	158696 P442
INVERTER				154934 P450	158695 P456	158270 P458	159555 P511
163463 P278 160116 P290				159550 P512	158768 P513	159413 P545	161637 P578
*IODINE				161627 P580			
158622 P279 163381 P296				LIGHTING			
IODINE				156922 P142			
162480 P159 161758 P194				LIGHTNING			
*JET				154440 P 47	159267 P 68	150093 P580	
163597 P226				LIQUID			
LACROSSE (BWR)				156224 P205	155298 P440		
156223 P412 150307 P413				*LPCI			
163464 P414 160363 P414				159057 P 14	157017 P 59	155507 P132	160201 P148
161888 P415 161891 P416				155576 P163	158554 P212	163598 P212	160208 P217
162538 P417 162014 P417				160087 P218	163379 P222	153944 P224	155294 P225
162536 P418				156007 P228	158705 P233	153345 P239	154753 P269
*LEAK				163463 P278	160116 P290	153741 P297	160289 P315
155527 P 3 153935 P 29				159189 P330	156994 P370	160518 P398	159128 P422
163500 P 42 157168 P 63				156969 P493	160140 P497	157044 P507	155522 P539
160570 P 76 159398 P 92				157008 P542	155985 P553	158495 P556	160567 P559
154590 P100 153460 P101				LPCI			
159164 P140 160865 P153				155530 P175	160506 P291	154670 P300	158292 P319
158554 P212 163598 P212				159323 P334	159691 P337	156133 P358	155416 P490
161882 P237 160052 P255				154714 P566	157039 P571		
161685 P292 159216 P304				*LUBRICATION			
160802 P403 162702 P408				153730 P 2	155552 P131	154949 P268	160810 P339
156223 P412 158309 P413				162080 P345	154737 P354	150209 P436	158714 P556
160210 P437 160918 P437				LUBRICATION			
154734 P475 159559 P478				155401 P 6	155403 P 7	158616 P 9	160265 P 11
160078 P526 161606 P533				160825 P 22	156860 P 59	154737 P103	157009 P105
161902 P562 162032 P564				159490 P110	160080 P116	151633 P117	158607 P140
160897 P577				159532 P216	153455 P242	156187 P312	160486 P340
LEAK				159520 P472	159445 P524	150251 P525	158629 P543
160324 P 11 159205 P 13				161901 P562	161902 P562		
153975 P 31 160043 P 40				*MAIN COOLING SYSTEM			
161911 P 45 155532 P 55				160265 P 11	160325 P 12	150202 P 15	160827 P 20

161942 P 24	153973 P 30	154505 P 32	158574 P 35	155582 P243	159477 P249	152525 P256	154660 P267
158777 P 37	159688 P 37	159288 P 38	159256 P 39	154654 P268	158636 P281	153363 P289	161782 P294
159257 P 39	160071 P 40	160072 P 40	161674 P 42	161717 P294	154665 P301	155411 P310	157089 P314
155594 P 82	155592 P 82	156337 P 85	156213 P 86	156995 P317	158446 P322	159027 P329	159064 P330
157736 P 88	159336 P 90	160921 P 95	158235 P106	160486 P340	160840 P341	154738 P354	158297 P367
158537 P107	155484 P111	160126 P115	160080 P116	158726 P369	156994 P370	159092 P387	159292 P390
154880 P131	157057 P134	160301 P139	158607 P140	161874 P401	163464 P414	156157 P421	157402 P421
160317 P142	158545 P144	163465 P146	160403 P150	158818 P434	163384 P447	154450 P449	155557 P451
155567 P170	158755 P171	159604 P178	158732 P180	155443 P454	158779 P459	150354 P463	150432 P464
159690 P181	161069 P182	159356 P184	160866 P189	160520 P466	159644 P479	150294 P493	161755 P500
161985 P193	161652 P197	162709 P202	163400 P203	153970 P501	158646 P509	159463 P522	158624 P542
154618 P208	161903 P222	163515 P223	155600 P226	158708 P544	159155 P550	156882 P571	
158749 P232	158750 P233	158821 P233	160176 P235	MATHEMATICAL TREATMENT			
160456 P236	163344 P240	156900 P246	159467 P250	153946 P537			
159382 P290	163361 P295	154667 P301	154887 P305	METALLURGY			
159501 P323	159588 P328	159065 P331	161951 P341	159493 P249	159469 P249	159435 P251	159460 P251
156996 P362	157000 P366	158245 P380	158674 P382	159491 P251			
159593 P385	159315 P394	159373 P395	160450 P397	*MILK			
160363 P414	160364 P415	154444 P419	156047 P431	163381 P296	154592 P504	157023 P507	
156245 P432	160512 P433	160001 P441	159511 P443	MILK			
159680 P444	161798 P447	159326 P460	159672 P463	162480 P159	163383 P447		
160148 P465	163385 P470	162487 P486	154729 P489	MILLSTONE 1 (8WR)			
158768 P513	158834 P514	159277 P519	159463 P522	153942 P419	154444 P419	155196 P419	154614 P420
160252 P526	163482 P534	161824 P534	156024 P540	155195 P420	156005 P421	156157 P421	157402 P421
158629 P543	158751 P544	158708 P544	160452 P546	158276 P422	159128 P422	150233 P422	159289 P423
159569 P555	158494 P555	159342 P557	159689 P558	160459 P423	160060 P423	150923 P424	161870 P424
160835 P559	153481 P565	157639 P571	159172 P574	161470 P424	161471 P425	151680 P425	161679 P426
				161827 P426			
MAIN COOLING SYSTEM				MISSILE GENERATION AND PROTECTION			
155526 P 4	156225 P 6	158609 P 9	160855 P 20	160551 P531			
161716 P 22	154904 P 32	155482 P 33	157053 P 33	*MODIFICATION			
157074 P 34	157076 P 35	158266 P 36	158267 P 36	158665 P 28	163495 P 41	150154 P 94	160514 P190
158268 P 37	159293 P 39	160170 P 41	163495 P 41	162525 P256	163464 P414	150058 P446	160229 P523
163388 P 45	154617 P 48	154517 P 51	157046 P 57	160532 P528	160530 P529	151627 P580	
156960 P 58	156860 P 59	156862 P 60	159449 P 67	MODIFICATION			
159418 P 68	153489 P 79	154437 P 80	155365 P 82	156226 P 6	155401 P 6	155403 P 7	159564 P 16
155488 P 83	157735 P 89	158747 P 89	159162 P 89	159561 P 16	160353 P 17	150457 P 18	160460 P 18
159685 P 90	161792 P 98	161866 P 99	153456 P102	161715 P 23	161990 P 23	153973 P 30	153975 P 31
157715 P107	157716 P109	159488 P110	159284 P113	156954 P 36	159288 P 38	159256 P 39	159257 P 39
154510 P125	154882 P130	155311 P135	156932 P143	160071 P 40	160170 P 41	151980 P 43	161982 P 43
160211 P148	160864 P154	154559 P162	154732 P162	154610 P 48	155367 P 53	150305 P 71	160157 P 72
153737 P164	155570 P167	155407 P171	157059 P174	160515 P 75	161892 P 76	151833 P 76	156017 P 86
156938 P178	161070 P183	154616 P209	157163 P211	159685 P 90	159340 P 91	150302 P 92	160213 P 93
163597 P226	155599 P227	155518 P227	155445 P229	161451 P 97	161640 P 98	161833 P 98	161864 P 99
156159 P229	167058 P231	158231 P232	159251 P254	154683 P103	163405 P111	159650 P113	159352 P113
162521 P258	163531 P260	154654 P268	155291 P272	159245 P114	160115 P114	150330 P116	161682 P117
156915 P277	158612 P282	160203 P286	160880 P292	161633 P118	161620 P119	151619 P120	161935 P121
160882 P292	163403 P296	153504 P299	155554 P306	161934 P122	156228 P131	150387 P136	160301 P139
156091 P309	156997 P318	158724 P329	159064 P330	159210 P148	160201 P148	150110 P149	160159 P152
161059 P339	161795 P342	156131 P356	157129 P361	161650 P154	160527 P156	150527 P156	160816 P157
156222 P364	156941 P371	157159 P373	158662 P379	163466 P157	163502 P159	156107 P173	156112 P176
158675 P382	159094 P389	159319 P394	160845 P400	159158 P180	160112 P183	159356 P184	160464 P186
161854 P403	161845 P404	161883 P407	159050 P409	161945 P189	160874 P191	150819 P193	161702 P194
162085 P409	162086 P409	155195 P420	161870 P424	161652 P197	161651 P197	151981 P201	162429 P205
155191 P428	156237 P428	156238 P420	156044 P430	155476 P205	163598 P212	151793 P221	158706 P234
156045 P430	156018 P433	160374 P436	160209 P436	163344 P240	159465 P250	153481 P250	161594 P255
154932 P440	159235 P442	163380 P448	154450 P449	161844 P256	161593 P257	155303 P270	160259 P283
157699 P456	154734 P475	160073 P482	161618 P485	161799 P293	161992 P295	153506 P297	153739 P303
161961 P485	154597 P488	153476 P489	155499 P490	154884 P306	156082 P308	156085 P308	155410 P310
159450 P496	160431 P498	154691 P503	156156 P506	156953 P315	160277 P321	158446 P322	159510 P325
157044 P507	159280 P520	159445 P524	160894 P529	159090 P332	159271 P333	159323 P334	159248 P335
160909 P530	160926 P531	153491 P538	156004 P541	159320 P336	160124 P337	159691 P337	160145 P339
156912 P543	160815 P546	162541 P546	157065 P553	160810 P339	160840 P341	150843 P342	161949 P343
156942 P556	158494 P555	163490 P560	163334 P564	162413 P344	162058 P345	150287 P346	154946 P349
154714 P566	156882 P571	159480 P572	160897 P577	155543 P351	155385 P353	153451 P363	163424 P366
160062 P578	160930 P578			156881 P369	163426 P369	158296 P371	157159 P373
*MAINTENANCE AND REPAIR				159618 P383	159376 P395	150511 P398	160522 P399
160458 P 18	154905 P 32	155391 P104	153733 P169	161770 P402	162146 P408	156005 P421	161680 P425
156974 P274	158302 P276	161685 P292		156045 P430	156018 P433	156339 P433	160209 P436
MAINTENANCE AND REPAIR				160336 P437	154932 P440	158696 P442	155993 P453
156083 P 8	155516 P 26	156218 P 27	158271 P 27	160207 P462	159672 P463	159675 P464	160148 P465
158665 P 28	153498 P 31	158574 P 35	161980 P 43	160902 P465	161644 P466	151877 P468	154734 P475
156029 P 84	156015 P 85	157436 P107	157437 P108	160480 P482	161909 P486	150372 P495	154694 P502
157438 P108	161682 P117	161621 P119	156229 P129	154691 P503	159363 P518	150327 P521	160328 P521
160159 P152	160407 P152	156076 P172	163397 P203	160345 P521	160187 P522	150479 P527	160894 P529
153972 P240	155604 P242	159521 P248	160259 P283	161596 P530	160909 P530	150551 P531	160559 P532
154670 P300	159216 P304	159248 P335	155300 P353	160059 P547	161454 P549	152089 P550	155987 P553
156881 P369	156940 P376	161853 P402	160363 P414	160567 P559	163490 P560	153482 P564	155469 P569
160364 P415	156047 P431	158553 P434	160374 P436	155497 P570	155471 P570	159480 P572	160064 P576
160209 P436	160001 P441	155596 P454	160263 P459	160897 P577	163501 P577	153493 P579	162048 P581
*MAINTENANCE PERSONNEL				*MOLLUSC			
161621 P119	161945 P189	162520 P259	161890 P418	161827 P426			
160902 P465	160564 P561			*MONTI TOR			
MAINTENANCE PERSONNEL				155551 P 3	159561 P 16	157167 P 60	156945 P 61
156083 P 8	161715 P 23	163370 P 25	158665 P 28	163568 P 61	163460 P 62	150305 P 71	160213 P 93
158248 P 29	157030 P 58	158255 P 65	159449 P 67	158682 P112	160330 P116	154514 P126	154676 P127
159399 P 68	159407 P 69	159404 P 70	154590 P100	153732 P127	156115 P128	156229 P129	157055 P134
153461 P100	153460 P101	153459 P101	158682 P112	160387 P136	156184 P137	156186 P138	156926 P141
155515 P132	155399 P134	163394 P153	159690 P181	160467 P151	160407 P152	150084 P153	160816 P157
160525 P187	160867 P188	162713 P189	162720 P200	161811 P158	163502 P159	154733 P162	155538 P164
162709 P202	154618 P208	157686 P213	159527 P216	155570 P167	156112 P176	150464 P186	160873 P191
160524 P221	154051 P241	153455 P242	155604 P242				

160819 P193	161814 P199	161816 P200	161981 P201	161621 P119	156928 P139	156558 P145	156110 P175
162707 P202	155396 P204	155295 P209	160824 P219	163503 P191	159503 P324	161950 P341	162741 P344
160823 P219	155193 P225	160522 P237	154502 P264	NITROGEN			
158633 P220	156972 P311	158751 P320	159232 P329	160874 P191	155541 P307	158598 P316	160269 P321
162743 P343	162087 P346	154624 P346	156116 P355	159670 P388	160871 P446	158840 P515	160212 P526
156144 P355	155454 P359	163426 P369	156858 P374	160497 P528	160559 P532	159688 P558	
156857 P375	157402 P421	161679 P426	154899 P505	*NOISE			
158768 P513	159083 P516	160895 P576		161853 P402			
MONITOR				NOISE			
161935 P121	154876 P130	159160 P138	159161 P138	160225 P 70	155306 P272		
156920 P142	156661 P145	159211 P147	160205 P150	NONLICENSED OPERATOR			
161650 P154	160527 P156	160816 P157	161817 P199	153730 P 2	158304 P 8	158305 P 9	155516 P 26
158303 P204	157696 P232	159533 P235	160228 P287	156984 P 34	154918 P 50	157046 P 57	159337 P 91
157089 P314	159673 P326	159433 P333	160810 P339	155391 P104	155555 P129	156922 P142	161654 P196
158310 P367	159594 P384	159289 P423	155395 P501	160824 P219	160823 P219	151793 P221	157428 P281
157021 P508	155555 P511	153487 P550	154606 P566	161679 P426	159204 P435	151877 P468	160530 P529
156889 P572	160064 P576	162048 P581		NOZZLE			
*MONITOR, AIR				161471 P425	160863 P466		
158703 P573				*NRC DESIGN CRITERIA			
MONITOR, AIR				163464 P414			
157738 P 64	162048 P581			*OBSTRUCTION			
MONITOR, GAS				155204 P 81	153939 P449		
160499 P186				OBSTRUCTION			
*MONITOR, PERSONNEL				157162 P456	160295 P459	156569 P493	163583 P494
155190 P567				153481 P565			
*MONITOR, SAMPLING				*OFF GAS			
157738 P 64				154675 P 26	160104 P290	159442 P334	160233 P422
*MONITOR, STACK				161679 P426	159513 P444	154736 P476	161909 P486
154644 P263	160003 P441	160267 P462		159610 P513	159523 P516	154600 P568	156989 P573
MONITOR, STACK				OFF GAS			
155523 P271	155588 P305			158628 P280	159204 P435	150207 P462	160504 P499
*MONITOR, TELEMETRY				*OFF SITE			
153477 P474				155528 P 54	156026 P 54	156013 P 55	156031 P 84
*MONITORING PROGRAM, ENVIRONMENTAL				OFF SITE			
158703 P573	160093 P580	162048 P581		159267 P 68	156072 P105	159253 P253	160292 P410
MONITORING PROGRAM, ENVIRONMENTAL				156027 P477	160093 P580		
154675 P 26	159069 P 27	154440 P 47	163341 P 74	*ON SITE			
163470 P 97	162480 P159	162396 P159	154648 P263	156083 P 8	156028 P 83	158624 P542	155497 P570
154669 P265	155523 P271	158237 P275	159571 P287	ON SITE			
163381 P296	156080 P307	162080 P345	154622 P348	163386 P 46	155524 P 53	158747 P 89	154683 P103
162539 P416	161680 P425	161827 P426	154447 P439	155391 P104	154753 P269	154884 P306	154942 P350
155298 P440	163383 P447	153457 P448	154622 P348	156117 P359	156121 P360	160000 P492	153466 P500
162062 P473	155398 P502	154592 P504	156067 P506	155400 P502			
157023 P507	159560 P510	158846 P514	159427 P518	ORGANIC			
161074 P533	161908 P536	154606 P566		163465 P146	160403 P150		
*MONITORING SYSTEM, RADIATION				*ORIFICE			
159492 P109	159166 P145	159299 P252	159567 P326	160227 P286			
159248 P335	159513 P444	159546 P512	160910 P532	*OSCILLATION			
MONITORING SYSTEM, RADIATION				160344 P524			
159203 P 13	153950 P 47	154518 P 50	156946 P 58	OXIDATION			
158631 P 62	157738 P 64	159405 P 69	159404 P 70	159058 P 15			
155488 P 83	158632 P 87	154522 P124	154518 P125	*OXYGEN			
154676 P127	154882 P130	156227 P133	154559 P162	155529 P 2	154514 P126	156115 P128	156184 P137
155538 P164	155531 P171	161977 P181	161947 P198	156186 P138	160084 P153	151850 P154	160527 P156
160524 P221	156336 P229	154644 P263	154502 P264	160816 P157	160873 P191	150874 P191	160819 P193
155523 P271	155588 P305	157122 P312	157089 P314	160820 P193	161817 P199	151581 P201	155295 P209
160003 P441	154736 P476	161909 P486	154729 P489	159531 P215	155193 P225	153552 P259	156187 P312
159610 P513	159331 P545	154600 P568	156882 P571	158598 P316	159510 P325	159627 P329	159290 P333
156989 P573				156116 P355	156144 P355	159410 P393	160040 P397
MONITORING (BWR)				159209 P435	159327 P461		
153488 P427	154608 P427	163492 P427	155191 P428	OXYGEN			
156237 P428	156238 P428	156239 P429	156240 P429	155551 P 3	157055 P134	158661 P145	160205 P150
156044 P430	156045 P430	156241 P430	156242 P431	161811 P158	156112 P176	153503 P191	161814 P199
156243 P431	156047 P431	156244 P432	156245 P432	161816 P200	162707 P202	156972 P311	161950 P341
156012 P433	156018 P433	156339 P433	156879 P434	155454 P359	163426 P369	156858 P374	156857 P375
158553 P434	158818 P434	159209 P435	159204 P435	159376 P395	159563 P509	159363 P518	153487 P550
160374 P436	159422 P436	160209 P436	160336 P437	OYSTER CREEK (BWR)			
160210 P437	160918 P437	161895 P438		154622 P348	153497 P448	153538 P449	153939 P449
*MORTALITY				154450 P449	154934 P450	154449 P450	155566 P451
154622 P348	154622 P348			155557 P451	155557 P451	155560 P452	155456 P452
*MOTORS				155601 P452	155993 P453	155474 P453	155994 P454
160265 P 11	160458 P 18	159490 P110	162035 P295	155443 P454	155996 P454	155999 P455	157006 P455
162045 P469	160300 P472	158287 P487	161898 P549	157162 P456	158695 P456	157699 P456	160257 P457
161861 P563				158250 P457	160256 P458	150261 P458	158270 P458
MOTORS				160263 P459	160295 P459	156779 P459	159326 P460
158609 P 9	160155 P 72	159650 P113	160126 P115	160236 P460	160235 P461	150234 P461	159327 P461
159603 P179	162727 P197	155193 P225	154667 P301	159328 P462	160326 P462	150207 P462	160354 P463
158597 P216	159673 P326	159669 P327	159433 P333	159672 P463	159675 P464	160433 P464	160432 P464
159314 P335	156990 P363	156620 P382	159157 P387	160817 P465	160148 P465	160902 P465	160863 P466
159317 P390	159422 P436	160207 P462	159520 P472	160520 P466	161644 P466	161867 P467	161763 P467
159365 P519	161937 P535	161043 P548	159688 P558	161877 P468	161873 P468	162046 P468	162045 P469
159172 P574				162044 P469	163385 P470	152041 P470	154622 P348
NINE MILE POINT 1 (BWR)				159070 P471	159137 P471	159520 P472	160300 P472
154448 P438	154447 P439	154446 P439	154445 P439	160357 P472	161676 P473	162062 P473	162433 P473
154932 P440	155298 P440	160001 P441	160003 P441	PEACH BOTTOM 2 (BWR)			
158697 P441	158593 P442	158696 P442	159235 P442	153477 P474	154740 P474	153595 P475	154734 P475
158780 P443	159511 P443	159513 P444	160313 P444	154736 P476	155380 P476	155382 P476	156027 P477
159680 P444	159424 P445	159258 P445	160058 P446	158286 P477	156973 P478	159559 P478	162194 P478
160862 P446	160871 P446	161798 P447	163384 P447	159644 P479	159578 P479	159483 P480	160122 P480
163383 P447	163380 P448			161960 P480	160333 P481	150434 P481	160485 P481
*NITROGEN				160073 P482	160480 P482	160927 P483	160550 P483

161071 P483	161779 P484	161638 P484	161618 P485	161621 P119	159199 P147	150J10 P228	160480 P482
161961 P485	161967 P485	161974 P486	161909 P486	160535 P579			
162487 P486	162047 P487	162488 P487	158287 P487	*POWER DISTRIBUTION			
PEACH BOTTOM 3 (BWR)				159192 P 66	159212 P 67	159J37 P 91	154741 P352
154597 P488	154017 P488	153476 P489	154729 P489	157172 P378			
155585 P489	155416 P490	155499 P490	155347 P491	POWER DISTRIBUTION			
155998 P491	155501 P491	160000 P492	156971 P492	155575 P166	157157 P377	155196 P419	154448 P438
156969 P493	159410 P493	160294 P493	157744 P494	154445 P439			
159095 P494	163583 P494	160373 P495	160372 P495	POWER PLANT: FOSSIL FUEL			
160137 P495	159450 P496	161975 P496	160140 P497	155480 P410			
160141 P497	159440 P497	160332 P498	160431 P498	POWER TRANSMISSION			
160489 P498	160504 P499	161772 P499	161755 P500	155528 P 54			
162034 P500				*PRESSURE DRDP			
PERSONNEL EXPOSURE, RADIATION				160268 P 11	153461 P100	158247 P214	153492 P224
159320 P336				155305 P270	157084 P275	150953 P315	160520 P466
PILGRIM 1 (BWR)				PRESSURE DRDP			
153466 P500	153465 P501	153970 P501	155395 P501	159564 P 16	154666 P265		
155398 P502	155400 P502	154654 P502	154691 P503	PRESSURE PULSE			
154689 P503	155211 P504	154592 P504	155210 P504	158286 P477			
154899 P505	156065 P505	156067 P506	156034 P506	*PRESSURE RELIEF			
156156 P506	157044 P507	156158 P507	157023 P507	156225 P 6	161716 P 22	154904 P 32	154905 P 32
157021 P508	158613 P508	158646 P509	159563 P509	155482 P 33	158574 P 35	159088 P 37	159257 P 39
159600 P510	159562 P510	159560 P510	159242 P511	160072 P 40	157735 P 89	159J40 P 91	160153 P 94
159555 P511	159551 P511	159552 P512	159550 P512	159199 P147	160866 P189	158704 P215	161903 P222
159546 P512	159610 P513	158768 P513	158834 P514	156900 P246	159251 P254	151059 P339	157000 P366
158846 P514	160042 P514	158840 P515	159179 P515	161883 P407	156045 P430	159511 P443	161798 P447
159083 P516	159523 P516	159607 P516	159383 P517	154450 P449	160257 P457	160261 P458	154691 P503
159385 P517	159522 P517	159363 P518	159427 P518	158834 P514	160497 P528	160926 P531	158751 P544
159277 P519	159365 P519	159536 P519	159280 P520	160452 P546	163490 P560	163334 P564	160930 P578
159499 P520	159268 P520	160327 P521	160328 P521	160535 P579			
160345 P521	159463 P522	160187 P522	160229 P523	PRESSURE RELIEF			
160232 P523	160239 P523	160344 P524	159445 P524	157053 P 33	157074 P 34	157076 P 35	158266 P 36
160240 P524	160251 P525	160078 P525	160252 P526	158267 P 36	158268 P 37	150291 P 38	159288 P 38
160258 P526	160212 P526	160083 P527	160490 P527	159256 P 39	163495 P 41	154917 P 51	157033 P 57
160479 P527	160497 P528	160532 P528	160050 P528	156961 P 60	153736 P164	159135 P180	155194 P225
160894 P529	160530 P529	160523 P529	161596 P530	156010 P228	156987 P231	160231 P232	162521 P258
160528 P530	160909 P530	160581 P531	160926 P531	159573 P289	153504 P299	154889 P303	156953 P315
160559 P532	160910 P532	160553 P532	161074 P533	159064 P330	157072 P367	160845 P400	156157 P421
161606 P533	163482 P534	161940 P534	161824 P534	156018 P433	154734 P475	159499 P520	160559 P532
161907 P535	161937 P535	161908 P536	162533 P536	161454 P549	154916 P551	155491 P552	156942 P555
*PIPES AND PIPE FITTINGS				PRESSURE TRANSIENT			
155527 P 3	153974 P 29	161911 P 45	161913 P 45	161798 P447	153497 P448	150926 P531	160559 P532
155597 P 50	155209 P 52	160515 P 75	154513 P122	*PRESSURE VESSELS			
159195 P143	163393 P165	163391 P158	154732 P162	159203 P 13	153935 P 29	158777 P 37	160071 P 40
155407 P171	157059 P174	159066 P177	162724 P198	161893 P 76	154880 P131	160301 P139	158545 P144
161947 P198	158692 P214	156207 P230	158706 P234	158732 P180	158556 P211	159531 P215	159505 P252
161882 P237	153972 P240	154053 P241	156898 P245	160435 P291	160882 P292	158073 P381	158674 P382
158788 P319	158817 P320	159510 P325	158684 P326	163461 P385	158774 P387	152146 P408	161631 P416
159614 P328	158724 P329	159605 P332	159090 P332	160042 P514	160497 P528	151606 P533	159171 P574
162742 P344	158299 P364	160511 P398	160522 P399	PRESSURE VESSELS			
163357 P411	154614 P420	158005 P421	161471 P425	159411 P 17	157053 P 33	158631 P 62	161892 P 76
153488 P427	163492 P427	160210 P437	160918 P437	154438 P 80	155205 P 81	160213 P 93	160154 P 94
155566 P451	155474 P453	160433 P464	160432 P464	154554 P124	160386 P135	160365 P146	160865 P153
160863 P466	162046 P468	158286 P477	156971 P492	161069 P182	163400 P203	155197 P208	163379 P222
155211 P504	155210 P504	159179 P515	160078 P525	158749 P232	158750 P233	163344 P240	161594 P255
160530 P529	161606 P533	163482 P534	160091 P548	155293 P269	160880 P292	163361 P295	159064 P330
160904 P548	162089 P550	155587 P553	158714 P556	159271 P333	159290 P333	150128 P335	159486 P336
163501 P577	160828 P579	163493 P579		156983 P365	158675 P382	159325 P389	160100 P389
PIPES AND PIPE FITTINGS				159308 P392	159310 P393	160476 P396	160845 P400
154710 P 1	160325 P 12	155473 P 34	159293 P 39	161874 P401	159050 P409	154932 P440	160326 P462
154615 P 48	154610 P 48	155207 P 53	155367 P 53	160817 P465	161644 P466	161763 P467	162044 P469
157737 P 64	161796 P 77	159340 P 91	157437 P108	160528 P530	160559 P532	155369 P540	156912 P543
157438 P108	154508 P126	155559 P129	159444 P139	*PRESSURE, INTERNAL			
160110 P149	155534 P168	163733 P169	155320 P169	158247 P214	163344 P240	155541 P307	156100 P310
155404 P175	160112 P183	161984 P192	161843 P195	159171 P574			
162706 P202	158554 P212	163598 P212	159439 P217	PRESSURE, INTERNAL			
155340 P243	157036 P244	156899 P246	162525 P256	156211 P 56	157046 P 57	155305 P270	160871 P446
162520 P259	153728 P267	154652 P268	155523 P271	*PROCEDURES AND MANUALS			
156974 P274	156196 P274	160227 P286	153504 P299	160496 P 95	161451 P 97	160152 P117	161682 P117
154670 P300	154881 P304	159216 P304	157090 P313	163471 P172	160514 P190	159477 P249	160259 P283
160124 P337	155385 P353	157119 P360	156933 P372	159222 P285	160277 P321	159619 P383	159094 P389
163461 P385	160100 P389	153942 P419	161470 P424	161874 P401	160233 P422	150058 P446	159559 P478
156018 P433	156339 P433	154449 P450	155601 P452	159385 P517	160479 P527	160894 P529	160064 P576
161909 P486	160372 P495	153465 P501	159552 P512	PROCEDURES AND MANUALS			
160187 P522	153947 P537	161454 P549	159241 P557	160202 P 15	160856 P 19	161715 P 23	163370 P 25
153482 P564	155589 P568	155471 P570	159480 P572	156984 P 34	155595 P 51	156945 P 61	158295 P 65
*PLANT, ALGAE/FUNGI				159449 P 67	160447 P 72	163339 P 78	155457 P 85
159571 P287	160498 P291	159560 P510		163470 P 97	161833 P 98	158596 P109	159352 P113
PLASTICS				155559 P129	155314 P133	159210 P148	153503 P299
156076 P172				153733 P169	154877 P170	155531 P171	160358 P187
*PNEUMATIC SYSTEM				160874 P191	159515 P206	153495 P206	160361 P218
154459 P 32	159605 P332	161880 P406	156243 P431	161793 P221	163344 P240	153455 P242	158686 P248
156018 P433	154734 P475	161974 P486		159467 P250	155525 P271	157428 P281	160272 P283
PNEUMATIC SYSTEM				153503 P299	154663 P302	154881 P304	158599 P317
154731 P123	156228 P131	161655 P195	158704 P215	158292 P319	163478 P325	159232 P329	160135 P337
156900 P246	156143 P355	157000 P366	163424 P366	161059 P339	155313 P350	156132 P357	157131 P361
156933 P372	163461 P385	159209 P435	160001 P441	156937 P368	158618 P372	156855 P375	159127 P381
155501 P491	159440 P497	162533 P536	156024 P540	159311 P393	159315 P394	152423 P406	153942 P419
*POISON, SOLUBLE				156047 P431	159209 P435	160336 P437	154446 P439
159670 P388				158593 P442	159258 P445	160871 P446	163384 P447
POISON, SOLUBLE				154934 P450	158695 P456	161677 P468	159070 P471

154740 P474	163595 P475	154736 P476	156973 P478	154510 P125	154518 P125	154882 P130	156227 P133
159194 P478	155501 P491	156065 P505	159550 P512	157057 P134	160317 P142	154559 P162	153734 P166
159523 P516	154443 P538	156025 P540		155531 P171	161977 P181	151947 P198	157163 P211
*PUMP, JET				160524 P221	156336 P229	155523 P271	155306 P272
155600 P226	159094 P389	161870 P424	156156 P506	160104 P290	155588 P305	157122 P312	157089 P314
157065 P553				160233 P422	159204 P435	155557 P451	154736 P476
PUMP, JET				160073 P482	154729 P489	160373 P495	159610 P513
157060 P278	160062 P578			160252 P526	156004 P541	159531 P545	154600 P568
*PUMPS				156882 P571	156989 P573	158703 P573	160093 P580
155310 P 4	156226 P 6	160265 P 11	160202 P 15	RADIATION MONITORS			
158271 P 27	155473 P 34	163500 P 42	163389 P 44	159558 P 16	158631 P 62	157738 P 64	154676 P127
156212 P 56	157738 P 64	155594 P 82	155592 P 82	155538 P164	155570 P167	150264 P213	154644 P263
155365 P 82	156213 P 86	161451 P 97	155503 P105	154502 P264	162743 P343	150003 P441	161909 P486
159490 P110	159393 P114	160126 P115	161683 P117	153570 P501	159463 P522	150694 P529	
161959 P120	155555 P129	155552 P131	155507 P132	*RADIATION PROTECTION PERSONNEL			
155399 P134	158607 P140	155567 P170	162709 P202	161977 P181			
163397 P203	155476 P205	160208 P217	163597 P226	RADIATION PROTECTION PERSONNEL			
159547 P236	160456 P236	154052 P241	156169 P244	154675 P 26	159069 P 27	152396 P159	154661 P266
160051 P255	162524 P257	153727 P267	158302 P276	156080 P307	159065 P331	155190 P567	
160227 P286	160880 P292	153506 P298	157721 P302	RADIATION SAFETY AND CONTROL			
154887 P305	156100 P310	157122 P312	157123 P314	154927 P209	159320 P336		
158611 P316	158599 P317	156601 P318	159567 P326	*RADIOACTIVITY RELEASE			
159442 P334	159248 P335	160145 P339	160493 P340	156218 P 27	156224 P205	158437 P275	162080 P345
154737 P354	155433 P357	156122 P360	156937 P368	162539 P416	155566 P451		
156994 P370	156858 P374	158671 P381	159592 P386	RADIOACTIVITY RELEASE			
159315 P394	160455 P397	161770 P402	162086 P409	158622 P279	156080 P307	155593 P453	160207 P462
160292 P410	159437 P411	154444 P419	156879 P434	159559 P478	159560 P510	158846 P514	
159680 P444	153497 P448	160236 P460	160902 P465	*RADIOCHEMICAL ANALYSIS			
162046 P468	159070 P471	159520 P472	161676 P473	161942 P 24			
162062 P473	155382 P476	162488 P487	158287 P487	RADIOCHEMICAL ANALYSIS			
154017 P488	160489 P498	158613 P508	159546 P512	156080 P307	162539 P416		
160327 P521	160328 P521	160083 P527	160910 P532	*RADIOISOTOPE UPTAKE			
161907 P535	156629 P543	159331 P545	155985 P553	156067 P506			
156019 P554	159689 P558	160564 P561	162032 P564	*RATE			
155992 P569	159172 P574	161637 P578		162521 P258	154448 P438	154445 P439	
PUMPS				RATE			
155527 P 3	158609 P 9	160458 P 18	153950 P 47	154444 P419			
156960 P 58	156860 P 59	156862 P 60	157737 P 64	*RCIC			
159405 P 69	155457 P 85	157736 P 88	157437 P108	154711 P 1	155310 P 4	150524 P 11	159059 P 15
159650 P113	159389 P115	161682 P117	161821 P120	160462 P 19	160856 P 19	150501 P 21	158248 P 29
161936 P121	156184 P137	154733 P162	154732 P162	154458 P 30	154457 P 31	155595 P 51	156961 P 60
154877 P170	160466 P187	160362 P217	160361 P218	160905 P 74	153459 P101	153458 P101	157436 P107
155600 P226	153455 P242	155665 P247	159521 P248	159416 P112	159284 P113	150115 P114	154678 P166
155306 P272	157060 P278	159496 P284	159216 P304	160358 P187	160525 P187	150867 P188	162713 P189
156116 P355	156144 P355	163451 P363	163426 P369	161945 P189	162720 P200	151972 P201	161457 P238
157702 P380	163445 P408	162085 P409	162008 P412	157036 P244	157032 P245	154657 P260	158636 P281
160207 P462	160432 P464	162045 P469	159137 P471	159576 P288	159382 P290	151685 P292	161992 P295
160300 P472	160357 P472	162433 P473	160434 P481	163404 P296	159216 P304	150450 P318	159502 P324
155416 P490	159179 P515	159607 P516	159445 P524	158685 P327	159090 P332	154621 P347	154739 P352
158624 P542	161063 P548	157065 P553	158714 P556	155300 P353	158643 P370	156957 P376	156940 P376
158703 P573				159127 P381	159591 P386	159511 P393	159319 P394
QUAD CITIES 1 (BWR)				161852 P404	153942 P419	154614 P420	163492 P427
153945 P536	153946 P537	153947 P537	153948 P538	156242 P431	158818 P434	160210 P437	160122 P480
153491 P538	154443 P538	154920 P539	155522 P539	161960 P480	161779 P484	151967 P485	155998 P491
155369 P540	156024 P540	156025 P540	156004 P541	159600 P510	159551 P511	159365 P519	159536 P519
156006 P541	157008 P542	156562 P542	158624 P542	159268 P520	160232 P523	156025 P540	159413 P545
158629 P543	156912 P543	156564 P543	158751 P544	161901 P562			
158708 P544	159281 P545	159331 P545	159413 P545	RCIC			
160452 P546	160815 P546	162541 P546	160451 P547	159488 P110	155317 P173	150514 P190	160002 P211
160059 P547	160091 P548	161063 P548	160904 P548	161643 P239	154653 P261	154493 P298	155326 P307
161898 P549	161454 P549	162089 P550	159155 P550	156096 P309	156958 P374	153445 P408	163464 P414
QUAD CITIES 2 (BWR)				161471 P425	160256 P458	151667 P467	155347 P491
153487 P550	153951 P551	154916 P551	154915 P552	159242 P511	161455 P560	153440 P565	
155490 P552	155491 P552	155985 P553	155987 P553	*REACTIVITY EFFECT			
157065 P553	156019 P554	156161 P554	159569 P555	160056 P220			
156942 P556	158494 P555	158495 P556	158714 P556	REACTIVITY EFFECT			
159241 P557	159342 P557	159344 P557	159524 P558	156078 P 7	160298 P 93	150146 P182	160059 P547
159689 P558	159688 P558	160067 P559	160835 P559	*REACTOR			
160567 P559	160878 P560	161455 P560	163490 P560	160524 P221	159299 P252		
160564 P561	161458 P561	161900 P562	161901 P562	REACTOR			
161902 P562	163335 P563	161861 P563	163334 P564	160214 P 71	160157 P 72	151843 P195	159248 P335
162032 P564				159258 P445	160910 P532		
*QUALIFICATION				*REACTOR CONTROL			
163386 P 46	156945 P 61	161892 P 76	161893 P 76	163339 P 78	160204 P149	150467 P151	161687 P155
161640 P 98	161599 P119	159158 P180	156941 P371	160047 P185	160056 P220	150925 P220	161793 P221
QUALIFICATION				161456 P239	160336 P437		
163568 P 61	158446 P322	158286 P477		REACTOR CONTROL			
QUALITY ASSURANCE				160907 P 95	161864 P 99	154696 P103	158291 P111
162742 P344	159304 P393			163405 P111	161621 P119	156175 P135	155308 P136
*RADIATION EFFECT				159160 P138	159161 P138	150206 P151	163506 P157
161640 P 98	161599 P119			154495 P161	155575 P166	150146 P182	161602 P184
RADIATION EFFECT				160513 P190	161651 P197	151626 P198	155372 P210
156945 P 61	160403 P150			155541 P307	155411 P310	156132 P357	157131 P361
RADIATION EXPOSURE				156937 P368	162046 P468	150895 P576	
154608 P427				*REACTOR COOLANT			
*RADIATION EXPOSURE, RECORD KEEPING				154438 P 80	155311 P135	150534 P155	163468 P157
155190 P567				160045 P186	155197 P208	151622 P256	154661 P266
*RADIATION MONITORS				155291 P272	161717 P294	150518 P398	160509 P398
159203 P 13	159411 P 17	155516 P 26	153950 P 47	154932 P440	161873 P468	150345 P521	160528 P530
154918 P 50	156946 P 58	159405 P 69	159404 P 70	160909 P530	155369 P540		
160157 P 72	154888 P 83	158632 P 87	154522 P124	REACTOR COOLANT			

161942 P 24	153973 P 30	160170 P 41	163500 P 42	154694 P 502	159607 P 516	159445 P 524	159331 P 545
161913 P 45	155205 P 81	161866 P 99	154554 P 124	REDUNDANCE LOST			
154880 P131	163465 P146	160211 P148	160403 P150	159051 P 14			
159356 P124	161758 P194	161652 P197	161882 P237	*REFUELING			
158686 P248	155293 P269	161795 P342	159672 P463	160496 P 95	160907 P 95	163471 P172	154934 P450
161606 P533	163493 P579			156065 P505			
*REACTOR FOWER				REFUELING			
159352 P113				155526 P 4	155510 P 4	155512 P 5	155514 P 5
REACTOR POWER				156226 P 6	156225 P 6	155401 P 6	155403 P 7
159618 P383				156078 P 7	156083 P 8	155516 P 26	156218 P 27
*REACTOR PROTECTION SYSTEM				156929 P 28	158248 P 29	154440 P 47	154617 P 48
161752 P 22	158295 P 65	156665 P 90	161866 P 99	154615 P 48	154610 P 48	155296 P 49	154919 P 49
159245 P114	159211 P147	159210 P148	160864 P154	155292 P 50	154918 P 50	155397 P 50	155192 P 51
160534 P155	159451 P183	160045 P186	154620 P207	155595 P 51	154917 P 51	155208 P 52	155209 P 52
161871 P221	159533 P235	161460 P237	161622 P256	155207 P 53	155367 P 53	155524 P 53	155528 P 54
159380 P289	160435 P291	155554 P306	157073 P314	156026 P 54	155532 P 55	156011 P 55	156013 P 55
156936 P370	159591 P386	159092 P387	159159 P390	156014 P 56	156211 P 56	159449 P 67	160447 P 72
159305 P394	160370 P396	159289 P423	160923 P424	160298 P 93	163596 P 93	150092 P 94	160154 P 94
160313 P444	156675 P464	160294 P493	159383 P517	160153 P 94	160921 P 95	161665 P 96	161894 P 96
159385 P517	160479 P527	160894 P529	155469 P569	161452 P 96	163470 P 97	161451 P 97	161640 P 98
161627 P580				161792 P 98	161864 P 99	161863 P100	153858 P101
REACTOR PROTECTION SYSTEM				159161 P138	159444 P139	159164 P140	159195 P143
161426 P 25	158777 P 37	160071 P 40	160170 P 41	159166 P145	159143 P146	159197 P146	163465 P146
155296 P 49	155208 P 52	158253 P 65	159418 P 68	159211 P147	159199 P147	159210 P148	160201 P148
155488 P 83	157042 P 86	156948 P 87	157743 P 88	160110 P149	150755 P171	155407 P171	156076 P172
159162 P 89	159376 P 90	153451 P102	153456 P102	160296 P174	157059 P174	155404 P175	156930 P176
154510 P125	154882 P130	157057 P134	160301 P139	158603 P176	159066 P177	156939 P177	156938 P178
160317 P142	156932 P143	160204 P149	163468 P157	159604 P178	158602 P178	156655 P179	159603 P179
154559 P162	158603 P176	156939 P177	156938 P178	159158 P180	159135 P180	158732 P180	159621 P181
159603 P179	161069 P182	161070 P183	161985 P193	159690 P181	160112 P183	159451 P183	159356 P184
161652 P197	155197 P208	157163 P211	160264 P213	160367 P185	155599 P227	155518 P227	155521 P227
155599 P227	157696 P232	158749 P232	158750 P233	156007 P228	156010 P228	155445 P229	156336 P229
158821 P233	154505 P263	154503 P264	155307 P272	156159 P229	156207 P230	157051 P230	157050 P231
156220 P273	156955 P277	158627 P280	163363 P289	157058 P231	156987 P231	156169 P244	157032 P245
161782 P294	161717 P294	163361 P295	163403 P296	156898 P245	156899 P246	156900 P246	159542 P246
154940 P351	155299 P353	159584 P391	158276 P422	159556 P247	159565 P247	159470 P252	158610 P277
160459 P423	159235 P442	160862 P446	155560 P452	158622 P279	158604 P282	160260 P283	160259 P283
157162 P456	157699 P456	159326 P460	159672 P463	160341 P284	161854 P403	152417 P405	162423 P406
160148 P465	161873 P468	162487 P486	154729 P489	161880 P406	161881 P406	151883 P407	162703 P407
157744 P494	156158 P507	160345 P521	156962 P542	162146 P408	162702 P408	152539 P416	162538 P417
156912 P543	156964 P543			162014 P417	162016 P418	161890 P418	160060 P423
*REACTOR SHUTDOWN				160923 P424	161870 P424	151470 P424	161471 P425
161716 P 22	160152 P117	159253 P253	160100 P389	156237 P428	156238 P428	156239 P429	156240 P429
160140 P497	160559 P532			156044 P430	156045 P430	156241 P430	156242 P431
REACTOR SHUTDOWN				156047 P431	156244 P432	156245 P432	156012 P433
158609 P 9	160265 P 11	161715 P 23	153975 P 31	156018 P433	156339 P433	154449 P450	155566 P451
156860 P 59	158295 P 65	154590 P100	153461 P100	155557 P451	155560 P452	155456 P452	155601 P452
153460 P101	161758 P194	162720 P200	155600 P226	155993 P453	155474 P453	155594 P454	155443 P454
163597 P226	158231 P232	162521 P258	159216 P304	155996 P454	155999 P455	157006 P455	157162 P456
156997 P318	158292 P319	159092 P387	160236 P460	158695 P456	157699 P456	158286 P477	156973 P478
159327 P461	154734 P475	159550 P512	159277 P519	159559 P478	159194 P478	159644 P479	159578 P479
160497 P528	161606 P533	163482 P534	161824 P534	159483 P480	160373 P495	154674 P502	154691 P503
160452 P546	158494 P555	161502 P562	159480 P572	154689 P503	155211 P504	154592 P504	155210 P504
REACTOR STARTUP				154899 P505	156067 P506	156136 P506	157044 P507
153975 P 31	156212 P 56	154439 P 79	154590 P100	156158 P507	157023 P507	158013 P508	158640 P509
154495 P161	154662 P163	153737 P164	153735 P165	159562 P510	159560 P510	158015 P546	162541 P546
155372 P210	157686 P213	160566 P220	163552 P259	160451 P547	160059 P547	151063 P548	161898 P549
154505 P263	154503 P264	155306 P272	155291 P272	161454 P549	162089 P550	153487 P550	153951 P551
154667 P201	156091 P309	160250 P318	155543 P351	154916 P551	154915 P552	155490 P552	155491 P552
154741 P352	156132 P357	157172 P378	157702 P380	155985 P553	155987 P553	157065 P553	156019 P554
154736 P476	155499 P490	157081 P571		156161 P554	160895 P576	160897 P577	163501 P577
REACTOR TRANSIENT				160062 P578	161637 P578	160930 P578	160535 P579
161715 P 23				160828 P579	163493 P579	161627 P580	161955 P581
*RECOMBINERS				162048 P581			
154944 P350	156855 P375	157161 P377		*RELAYS			
RECOMBINERS				159645 P 10	160262 P 12	163373 P 24	154919 P 49
155449 P368	153488 P427	156989 P573		154917 P 51	156011 P 55	156212 P 56	156878 P 59
*RECORDERS				160305 P 71	155365 P 82	161065 P 96	159166 P145
154507 P 1	159411 P 17	161999 P 24	160906 P 74	160864 P154	161070 P183	161702 P194	157163 P211
163341 P 74	158632 P 87	160387 P136	154883 P169	159533 P235	155554 P306	156133 P358	156863 P378
154656 P261	158625 P279	158667 P282	153738 P303	159092 P387	159312 P392	160333 P481	160332 P498
155556 P305	156995 P317	159510 P325	159673 P326	161596 P530	155491 P552	155985 P553	156019 P554
159669 P327	158688 P328	159271 P333	159290 P333	155469 P569	160337 P575		
159291 P334	160128 P335	162413 P344	156934 P373	RELAYS			
RECORDERS				160214 P 71	155592 P 82	156213 P 86	157736 P 88
154516 P126	160084 P153	159505 P252	158597 P316	159162 P 89	157005 P106	159389 P115	161959 P120
159589 P330	157119 P360	158696 P442		153732 P127	162414 P160	155513 P173	161602 P184
*RECORDS				160045 P186	160464 P186	158303 P204	157050 P231
158305 P 9	160461 P219			155580 P243	159565 P247	158085 P327	158685 P327
RECORDS				154737 P354	156108 P358	158310 P367	156994 P370
156984 P 34	160447 P 72	160824 P219	161782 P294	158818 P434	160003 P441	159328 P462	160000 P492
157089 P314	161949 P343	156988 P364	156882 P571	159383 P517	159445 P524	157008 P542	155490 P552
*REDUNDANCE				156161 P554			
159051 P 14	155576 P163	159581 P287	159408 P338	*RELEASE RATE			
155999 P456				158622 P279			
REDUNDANCE				RELEASE RATE			
154710 P 1	155551 P 3	159203 P 13	153498 P 31	158237 P275			
157743 P 88	156072 P105	159108 P110	155530 P175	*REPORT, ENVIRONMENTAL			
155394 P204	159565 P247	154502 P264	155523 P271	160498 P291	160523 P529		
155306 P272	157122 P312	158292 P319	157000 P366	REPORT, ENVIRONMENTAL			
157161 P377	159137 P471	155878 P479	153466 P500	158700 P 66	160156 P 73	151451 P 97	158622 P279

158696 P442	158846 P514			155367 P 53	158446 P322	150843 P342	155385 P253
REPORT, NRC INSPECTION				160511 P398	160522 P399	156018 P433	156339 P433
159258 P445				155474 P453			
RESIN				SEISMIC DESIGN			
161469 P 42	155499 P490			159195 P143	158692 P214	158706 P234	153728 P267
*RESPONSE TIME				159605 P332	160124 P337	152742 P344	162146 P408
160855 P 20	157046 P 57	161075 P156	156930 P176	160372 P495	160187 P522	150490 P527	160551 P531
154616 P209	163531 P260	154668 P301	154574 P348	155471 P570			
156122 P360	161883 P407	158840 P515	153948 P538	*SENSORS, FLOW			
153491 P538	155469 P569			153489 P 79	157042 P 86	160386 P135	158605 P144
RESPONSE TIME				163394 P153	160867 P188	152713 P189	159243 P215
160262 P 12	163389 P 44	156212 P 56	161065 P 96	158821 P233	160882 P292	154744 P351	156856 P375
160080 P116	156183 P137	160513 P190	160176 P235	159127 P381	159593 P385	158771 P386	155195 P420
161594 P255	159383 P517	153945 P536	153947 P537	155994 P454	163385 P470		
159569 P555	160835 P559	161900 P562		SENSORS, FLOW			
REVIEW				159492 P109	160211 P148	160159 P152	155575 P166
159293 P 39	160447 P 72	160461 P219	160824 P219	161945 P189	163400 P203	150002 P211	159505 P252
160823 P219	161782 P294	157089 P314	160277 P321	154653 P261	159575 P288	154493 P296	156096 P309
159232 P329	159605 P332	159090 P332	156988 P364	157121 P313	159316 P331	159310 P393	159376 P395
159094 P389	154608 P427	161798 P447	163384 P447	155560 P452	155347 P491		
159385 P517	156882 P571			*SENSORS, LEVEL			
*RHR				160829 P 19	161926 P 25	153973 P 30	157074 P 34
160825 P 22	160302 P 92	161959 P120	160367 P185	157076 P 35	158266 P 36	158267 P 36	158268 P 37
160466 P187	161759 P405	160553 P532	160878 P560	158777 P 37	159288 P 38	160071 P 40	160170 P 41
160564 P561	160297 P576			163495 P 41	155296 P 49	155208 P 52	156860 P 59
RHR				158293 P 65	154438 P 80	155204 P 81	160907 P 95
160155 P 72	161633 P118	161934 P122	161656 P192	161866 P 99	161864 P 99	156235 P106	158537 P107
161984 P192	161813 P200	163481 P250	159247 P253	157715 P107	159284 P113	154516 P126	155565 P127
160051 P255	161844 P256	162523 P258	158599 P317	155599 P129	156228 P131	154880 P131	160301 P139
159691 P337	160145 P339	158662 P379	160802 P403	158545 P144	160534 P155	163468 P157	155572 P167
161628 P403	161914 P404	160140 P497	160490 P527	155534 P168	154883 P169	158732 P180	161069 P182
160904 P548	163335 P563	162032 P564		159356 P184	160045 P186	155197 P208	158749 P232
*RIVER				158750 P233	161460 P237	166915 P277	159104 P286
158700 P 66	160156 P 73	161754 P 78		161717 P294	163361 P295	161951 P341	154948 P348
RIVER				158297 P367	158674 P382	159159 P390	159584 P391
159493 P249	159469 P249	159485 P251	159460 P251	160518 P398	154932 P440	159672 P463	160148 P465
159491 P251	154622 P348	154622 P348	159559 P478	161873 P468	160345 P521	161937 P535	155369 P540
SAFETY ANALYSIS				156912 P543			
160904 P548				SENSORS, LEVEL			
*SAFETY MARGIN				159215 P 13	163370 P 25	155482 P 33	157053 P 33
161798 P447				159257 P 39	155205 P 81	159685 P 90	154554 P124
*SAMPLING				156932 P143	156938 P178	160514 P190	163371 P223
160827 P 20	158631 P 62	159515 P206	154661 P266	158229 P235	159251 P254	151622 P256	155293 P269
156080 P307	159065 P331	154597 P488	160909 P530	156197 P274	159226 P285	159291 P334	158675 P382
154606 P566				160923 P424	159483 P480	159280 P520	153945 P536
SAMPLING				153947 P537			
154675 P 26	155516 P 26	159404 P 70	156229 P129	*SENSORS, PRESSURE			
160403 P150	154733 P162	153737 P164	153495 P206	154507 P 1	159057 P 14	160460 P 18	161990 P 23
154927 P209	155306 P272	155291 P272	163381 P296	161999 P 24	158269 P 63	158295 P 65	159418 P 68
157122 P312	159433 P333	155442 P334	156144 P355	154439 P 79	156337 P 85	159336 P 90	161620 P119
160363 P414	160364 P415	160233 P422	161680 P425	154730 P123	158755 P171	159604 P178	159621 P181
160374 P436	163383 P447	160927 P483	160489 P498	159690 P181	161984 P192	161985 P193	154618 P208
160504 P499	154592 P504	156067 P506	159363 P518	163379 P222	163515 P223	157058 P231	155303 P270
160252 P526	159331 P545	162048 P581		157060 P278	159313 P288	163434 P296	154881 P304
*SCRAM, REAL				156995 P317	159064 P330	161059 P339	157131 P361
160152 P117	161758 P194	159253 P253	156997 P318	158726 P369	156883 P376	158644 P378	158662 P379
160100 P389	160559 P532			159591 P386	158774 P387	159305 P394	160450 P397
SCRAM, REAL				160455 P397	160519 P399	156157 P421	158276 P422
161716 P 22	161715 P 23	163405 P111	162521 P258	160459 P423	155191 P428	159245 P442	157162 P456
159502 P324				157699 P456	159326 P460	159675 P464	160817 P465
*SCRAM, SPURIOUS				162044 P469	162041 P470	151981 P485	162487 P486
159550 P512				154017 P488	159410 P493	157744 P494	154443 P538
*SEAL				156962 P542	159342 P557	159344 P557	161458 P561
154711 P 1	160275 P 10	160570 P 76	154896 P103	SENSORS, PRESSURE			
154508 P126	160865 P153	161653 P196	153940 P207	155510 P 4	155512 P 5	155514 P 5	160268 P 11
160052 P255	162519 P259	154652 P268	156198 P275	160353 P 17	160291 P 38	163338 P 78	159448 P 87
157091 P312	160138 P338	156223 P412	162538 P417	157743 P 88	160285 P 90	161040 P 98	153456 P102
159258 P445	158250 P457	154915 P552	162032 P564	157716 P109	159108 P110	159245 P114	161598 P118
SEAL				161599 P119	161934 P122	154511 P122	156228 P131
155527 P 3	160324 P 11	159558 P 16	159411 P 17	155399 P134	156932 P143	153503 P299	154492 P298
153975 P 31	161674 P 42	161982 P 43	160302 P 92	153736 P164	156107 P173	155317 P173	161656 P192
153461 P100	153460 P101	155503 P105	159393 P114	159527 P216	161871 P221	159478 P248	154664 P265
161821 P120	154511 P122	162414 P160	156110 P175	158634 P281	159226 P285	159576 P288	160435 P291
161977 P181	162720 P200	154616 P209	157698 P212	154492 P298	153503 P299	155426 P307	156091 P309
157686 P213	160208 P217	157036 P244	159542 P246	156953 P315	158601 P318	159501 P323	159588 P328
153727 P267	158237 P275	161685 P292	156187 P312	159589 P330	161614 P342	154940 P351	156130 P356
158684 P326	156992 P362	158299 P364	158656 P379	156118 P359	159592 P386	159406 P391	159307 P391
158245 P380	158671 P381	159620 P382	159304 P393	160370 P396	161872 P400	151473 P401	158593 P442
161712 P399	163445 P408	158307 P413	158309 P413	160313 P444	160256 P458	160261 P458	160236 P460
159680 P444	163380 P448	153497 P448	160433 P464	160326 P462	160354 P463	151644 P466	161763 P467
161667 P467	162045 P469	156973 P478	159578 P479	157044 P507	156158 P507	156964 P543	153480 P565
161974 P486	160137 P495	155600 P510	159179 P515	154714 P566	159525 P575		
159536 P519	160252 P526	161824 P534	154920 P539	*SENSORS, TEMPERATURE			
155589 P568	160897 P577			160851 P 21	157030 P 58	163341 P 74	161796 P 77
*SECURITY				154656 P261	154654 P268	158636 P281	153738 P303
154874 P 3				159673 P326	159669 P327	158686 P328	160128 P335
SECURITY				162413 P344	156983 P365	160431 P498	160042 P514
156085 P308				160451 P547			
*SEDIMENT				SENSORS, TEMPERATURE			
154648 P263				157736 P 88	161682 P117	159531 P215	155445 P229
*SEISMIC DESIGN				158597 P316	157129 P361	159626 P384	156044 P430

154447 P439	155298 P440	162047 P487	157021 P508	154610 P 48	155367 P 53	154508 P126	159444 P139
SEPARATOR				163391 P158	153733 P169	155320 P169	155404 P175
156045 P430	154691 P503			159066 P177	162724 P198	156207 P230	162525 P256
*SERVICE WATER				162520 P259	154652 P268	150203 P286	158817 P320
163391 P158	157123 P314	163357 P411	156879 P434	158684 P326	160138 P338	158299 P364	155601 P452
155992 P569				160295 P459	160235 P461	150433 P464	160372 P495
SERVICE WATER				153465 P501	155210 P504	159179 P515	160187 P522
159051 P 14				160504 P548	155589 P568	155471 P570	159172 P574
*SERVICE WATER SYSTEM				160897 P577			
160458 P 18	156212 P 56	160515 P 75	155555 P129	SHOCK ABSORBER			
155399 P134	156993 P141	154877 P170	160466 P187	154513 P122	163393 P155		
161656 P192	161984 P192	162724 P198	163397 P203	*SHUTDOWN COOLING SYSTEM			
159532 P216	153972 P240	159521 P248	161844 P256	160825 P 22	158710 P 64	159407 P 69	160155 P 72
162524 P257	162522 P258	160227 P286	153505 P298	155457 P 85	159398 P 92	160302 P 92	159395 P 92
157721 P302	158611 P316	158601 P318	159498 P323	154707 P103	155341 P104	155503 P105	157437 P108
159316 P331	160124 P337	159408 P338	155433 P357	159650 P113	159393 P114	159391 P115	159389 P115
156108 P358	156122 P360	163451 P363	158671 P381	155555 P129	158605 P144	160159 P152	163394 P153
160511 P398	161770 P402	160327 P521	160551 P531	154877 P170	160296 P174	155530 P175	154052 P241
154915 P552	160297 P576			155580 P243	159521 P248	159465 P250	163481 P250
SERVICE WATER SYSTEM				159247 P253	160051 P255	162523 P258	158300 P276
163470 P 97	154508 P126	153733 P169	155320 P169	158634 P281	154668 P301	158611 P316	155899 P317
160296 P174	153944 P224	159547 P236	162523 P258	158754 P321	159500 P322	159614 P328	159316 P331
156100 P310	159189 P330	160145 P339	155385 P353	159323 P334	159314 P335	159601 P337	158662 P379
158673 P381	160844 P411	160454 P415	159607 P516	158671 P381	161891 P416	156679 P434	160434 P481
160904 P548	153951 P551			162488 P487	158287 P487	156971 P492	159410 P493
*SET POINT				160372 P495	155210 P504	150490 P527	160553 P532
155510 P 4	155512 P 6	155514 P 6	155516 P 6	156019 P534	160870 P500	160504 P501	160335 P503
163373 P 24	157074 P 34	157076 P 35	158266 P 36	155992 P569	160297 P576		
158267 P 36	158268 P 37	160170 P 41	163495 P 41	SHUTDOWN COOLING SYSTEM			
154917 P 51	158269 P 63	153489 P 79	155205 P 81	155510 P 4	156014 P 56	156212 P 56	157168 P 63
156948 P 87	153457 P102	153456 P102	157716 P109	157716 P109	161633 P118	161821 P120	161959 P120
159108 P110	161598 P118	161620 P119	161934 P122	161934 P122	155507 P132	155399 P134	155576 P163
154554 P124	154510 P125	155565 P127	156932 P143	155404 P175	160367 P185	160466 P187	161984 P192
154492 P298	154559 P162	155323 P165	156107 P173	161813 P200	156224 P205	160087 P218	159556 P247
155317 P173	156938 P178	160499 P186	160524 P221	153728 P267	158237 P275	158610 P277	163365 P278
155599 P227	156010 P228	155445 P229	156336 P229	160227 P286	157123 P314	158232 P319	159498 P323
157696 P232	158749 P232	158750 P233	154653 P261	160145 P339	155385 P353	155433 P357	156133 P358
154503 P264	154672 P264	154664 P265	156197 P274	157702 P380	161628 P403	151914 P404	161759 P405
157060 P278	154492 P298	154493 P298	154889 P303	160844 P411	158276 P422	155416 P490	155522 P539
155326 P307	156096 P309	159434 P332	154940 P351	153951 P551	154915 P552	152032 P564	
156130 P356	156133 P358	156118 P359	157129 P361	*SHUTDOWN MARGIN			
158298 P366	157072 P367	161872 P400	161473 P401	156078 P 7			
158276 P422	160923 P424	156044 P430	154932 P440	SHUTDOWN MARGIN			
157699 P456	160257 P457	160261 P458	160148 P465	163405 P111			
161763 P467	155380 P476	161561 P485	155347 P491	*SHUTDOWN SYSTEM, SECONDARY			
160294 P493	157744 P494	157044 P507	156158 P507	159199 P147	156169 P244	156937 P368	156240 P429
156962 P542	156912 P543	156964 P543	154916 P551	SHUTDOWN SYSTEM, SECONDARY			
155491 P552	153480 P565	154714 P566	160930 P578	161621 P119	161936 P121	156010 P228	154889 P303
160535 P579				157072 P367	159670 P388	155474 P453	160480 P482
				154916 P551	160535 P579		
SET POINT				*SILVER			
159645 P 10	160268 P 11	160325 P 12	160262 P 12	161680 P425			
159564 P 16	160353 P 17	160460 P 18	161990 P 23	*SINGLE FAILURE CRITERION			
155482 P 33	157053 P 33	158777 P 37	159288 P 38	161702 P194	157123 P314	158292 P319	154946 P349
159257 P 39	156212 P 56	159418 P 68	159399 P 68	163451 P363			
159407 P 69	161796 P 77	163338 P 78	155204 P 81	*SMOKE			
157743 P 88	160285 P 90	159685 P 90	159336 P 90	163440 P 62	160824 P219	159232 P329	162087 P346
161866 P 99	159284 P113	159245 P114	154882 P130	SMOKE			
154880 P131	157057 P134	156186 P138	160301 P139	158303 P204	157402 P421	154899 P505	159083 P516
160317 P142	159199 P147	160201 P148	160204 P149	*SOIL			
160467 P151	163502 P159	153503 P299	158755 P171	162080 P345	162539 P416		
159604 P178	159621 P181	161069 P182	159356 P184	*SOLENOID			
160514 P190	161985 P193	161652 P197	161981 P201	161892 P 76	159143 P146	161768 P294	160374 P436
155197 P208	159243 P215	161871 P221	163379 P222	161895 P438	163384 P447	159644 P479	159281 P445
163515 P223	157058 P231	158821 P233	161460 P237	161900 P562			
161456 P239	159467 P250	161822 P256	155303 P270	SOLENOID			
158300 P276	158627 P280	158634 P281	158667 P282	162414 P160	154678 P166	159135 P180	161070 P183
160260 P283	160341 P284	159226 P285	160228 P287	160866 P189	160230 P234	154669 P265	155588 P305
159313 P288	159576 P288	159573 P289	160435 P291	158245 P380	158697 P441	158780 P443	160073 P482
161717 P294	163361 P295	163404 P296	153503 P299	160527 P483	161071 P483	159440 P497	160504 P499
157121 P313	159501 P323	159588 P328	159442 P334	158634 P514	159499 P520	160212 P626	160497 P528
160128 P335	161951 P341	161614 P342	162743 P343	160559 P532	156942 P555		
154948 P348	153705 P349	158299 P353	156855 P375	*SOLID STATE DEVICE			
158644 P378	158662 P379	159619 P383	158771 P386	161999 P 24	160516 P 73	161893 P 76	163337 P 79
159592 P386	159591 P386	157774 P387	159307 P391	160922 P237	160506 P291	161638 P484	
159312 P392	159305 P394	160370 P396	160450 P397	SOLID STATE DEVICE			
160455 P397	160519 P399	161883 P407	155195 P420	161980 P 43	161453 P 75	157436 P107	160146 P182
159289 P423	160459 P423	155191 P428	159235 P442	160367 P185	156095 P309	151618 P485	161772 P499
160313 P444	155557 P451	159326 P460	160236 P460	*SPECIAL NUCLEAR MATERIAL			
160326 P462	159672 P463	155675 P464	160817 P465	161949 P343			
161644 P466	161873 P468	162044 P469	163385 P470	*SPECIFIC ACTIVITY			
162041 P470	160485 P481	160550 P483	161779 P484	163381 P296	160363 P414	160364 P415	161680 P425
161967 P485	162487 P486	162047 P487	154017 P488	161827 P426	161074 P533		
159410 P493	160373 P495	160332 P498	160431 P498	SPECIFIC ACTIVITY			
159242 P511	160042 P514	159280 P520	160345 P521	163383 P447			
160532 P528	160451 P547	159569 P555	159342 P557	SPENT FUEL POOL			
159344 P557	161458 P561	157081 P571	159525 P575	156336 P229			
SHARED COMPONENTS				SPRAY			
155476 P205	153505 P298			159627 P329			
SHIELDING				*STACK			
159325 P389	161890 P418			154675 P 26	159069 P 27	156523 P271	155588 P305
*SHOCK ABSORBER							

157122 P312	160207 P462	159331 P545	155474 P453	160295 P459	160235 P461	160372 P495
STACK			156156 P506	160187 P522	150490 P527	160551 P531
153498 P 31	154644 P263	160003 P441	160904 P548	157065 P553	153482 P564	160897 P577
*STANDBY GAS TREATMENT			160062 P578			
156176 P136	158602 P178	161062 P236	SUPPORT STRUCTURE			
153740 P300	154663 P302	156990 P363	155473 P 34	154610 P 48	155367 P 53	154508 P126
156935 P372	155456 P452	155594 P454	163391 P158	153733 P169	155320 P169	155404 P175
160354 P463	160520 P466	161071 P483	159066 P177	162724 P198	156207 P230	154652 P268
154920 P539		160050 P528	156974 P274	154670 P300	157119 P360	161470 P424
STANDBY GAS TREATMENT			155601 P452	160433 P464	153465 P501	155210 P504
154513 P122	160277 P321	155557 P451	159179 P515	162089 P550	155539 P568	155471 P570
161900 P562		159522 P517	159172 P574			
*STEAM			SURFACE, PAINTED			
161674 P 42	159418 P 68	156337 P 85	156076 P172			
160153 P 94	160921 P 95	160080 P116	*SURVEILLANCE PROGRAM			
157057 P134	160317 P142	153503 P299	160272 P283			
160264 P213	158821 P233	163531 P260	SURVEILLANCE PROGRAM			
155517 P273	163403 P296	153503 P299	160816 P157	160819 P193	150257 P457	160263 P459
158643 P370	158245 P380	158771 P386	161596 P530			
160060 P423	155191 P428	156047 P431	SURVEY, RADIATION			
161667 P467	163385 P470	160122 P480	162080 P345			
161961 P485	162467 P486	160240 P524	SWELLING			
159342 P557	160835 P559	156882 P571	159567 P326			
STEAM			SYSTEM CAPABILITY			
154711 P 1	155526 P 4	160325 P 12	158599 P317	155196 P419		
160856 P 19	161716 P 22	161715 P 23	*SYSTEM CAPACITY			
154617 P 48	157030 P 58	161796 P 77	153730 P 2	159215 P 13	163370 P 25	158658 P145
155488 P 83	157735 P 89	161792 P 98	155568 P168	155513 P173	166110 P175	161813 P200
156183 P137	160864 P154	154492 P298	155476 P205	153495 P206	154666 P265	155550 P269
155323 P165	156107 P173	156930 P176	158604 P282	157090 P313	158601 P318	162741 P344
154618 P208	154616 P209	157163 P211	155433 P357	156117 P359	156121 P360	155456 P452
163515 P223	155599 P227	157058 P231	155382 P476	161907 P535	153945 P536	153947 P537
160903 P238	159478 P248	159467 P260	SYSTEM CAPACITY			
158612 P282	161685 P292	162035 P295	161980 P 43	153459 P101	163458 P101	155503 P105
154492 P298	156997 P318	154621 P347	163405 P111	156928 P139	163503 P191	153740 P300
157129 P361	157159 P373	163462 P373	157721 P302	161950 P341	155313 P350	156937 P368
156863 P378	158656 P379	159620 P382	156881 P369	160802 P403	156879 P434	158593 P442
159373 P395	160509 P398	161872 P400	159424 P445	159413 P545	156151 P570	
161883 P407	153942 P419	161470 P424	SYSTEM OPERABILITY IN ACCIDENT			
163492 P427	156237 P428	156238 P428	153973 P 30	156954 P 36	154946 P349	154740 P474
156245 P432	156012 P433	160209 P436	*TECHNICAL SPECIFICATIONS			
160918 P437	160001 P441	159235 P442	163495 P 41	160154 P 94	150058 P446	160328 P521
158286 P477	159578 P479	161779 P484	160059 P547	160064 P576		
154597 P488	154729 P489	159280 P520	TECHNICAL SPECIFICATIONS			
160894 P529	153491 P538	156024 P540	159257 P 39	160071 P 40	155303 P270	160229 P523
160452 P546	160815 P546	162541 P546	155469 P569	159480 P572		
159241 P557	163490 P560	163334 P564	TECHNICAL SPECIFICATIONS, ENVIRONMENTAL			
160897 P577			161680 P425			
*STEEL			*TEMPERATURE			
161843 P195			153975 P 31	159293 P 39	158730 P 66	161754 P 78
*STORAGE CONTAINER			163344 P240	155556 P305	159271 P333	154944 P350
160829 P 19	161926 P 25	161469 P 42	156934 P373	156855 P375	158673 P381	155298 P440
161864 P 99	156928 P139	158658 P145	159137 P471	161940 P534		
163503 P191	153495 P206	154927 P209	TEMPERATURE			
163371 P223	158229 P235	157428 P281	163341 P 74	155592 P 82	154677 P167	160823 P219
157090 P313	161950 P341	162741 P344	159493 P249	159469 P249	159485 P251	159460 P251
158593 P442	159424 P445		159491 P251	157084 P275	159323 P334	154622 P348
STORAGE CONTAINER			159618 P383	155196 P419	154622 P348	159520 P472
159205 P 13	158291 P111	163405 P111	157021 P508			
159195 P143	159515 P206	161793 P221	*TEMPERATURE GRADIENT			
156197 P274	156080 P307	159503 P324	161631 P416	154447 P439	155398 P502	160523 P529
159159 P390	159483 P480	159155 P550	TEMPERATURE GRADIENT			
*STRESS			155298 P440	161940 P534		
160843 P342			*TEST INTERVAL			
STRESS ANALYSIS			158305 P 9	161752 P 22	161942 P 24	159069 P 27
155367 P 53	155385 P353	156339 P433	156584 P 34	154918 P 50	157046 P 57	159449 P 67
155471 P570			159337 P 91	158596 P109	158602 P178	160361 P218
*STRESS CORROSION			160823 P219	161793 P221	155411 P310	157089 P314
161913 P 45			159232 P329	159064 P330	159065 P331	160135 P337
STRESS CORROSION			161059 P339	154738 P354	157119 P360	156988 P364
153974 P 29	155340 P243	158898 P245	158618 P372	159092 P387	150845 P400	161891 P416
160091 P548	157065 P553	163501 P577	157402 P421	161679 P426	154446 P439	163384 P447
*STRONTIUM			158270 P458	161877 P468	156065 P505	154606 P566
154592 P504			155190 P567	156882 P571	161637 P578	
STRUCTURAL INTEGRITY			TEST INTERVAL			
155192 P 51	154614 P420	159128 P422	160202 P 15	161926 P 25	154675 P 26	156218 P 27
*STRUCTURE			159404 P 70	154618 P208	161594 P255	154661 P266
160841 P401	162146 P408		160272 P283	159222 P285	154665 P301	154663 P302
STRUCTURE			156080 P307	154942 P350	157157 P377	162423 P406
161843 P195	160840 P341	160843 P342	155480 P410	155443 P454	159523 P516	160345 P521
*SUPPORT STRUCTURE			160251 P525	160479 P527	160530 P529	160897 P577
155292 P 50	155597 P 50	160515 P 75	TEST, FILTER SYSTEM			
156029 P 84	154513 P122	159444 P139	154920 P539			
160110 P149	163393 P155	160112 P183	*TEST, LEAK			
163598 P212	156692 P214	163597 P226	156984 P 34			
162525 P256	162520 P259	153728 P267	TEST, LEAK			
160203 P286	153504 P299	158788 P319	163598 P212	154734 P475	160141 P497	154920 P539
158446 P322	158684 P326	159614 P328	*TEST, LEAK RATE			
159090 P332	160124 P337	160138 P338	162703 P407	162638 P417	151955 P581	
155385 P353	158299 P364	160511 P398	TEST, LEAK RATE			
154614 P420	156005 P421	156018 P433	155526 P 4	162017 P 44	154617 P 48	155532 P 55

160092	P 94	160921	P 95	153460	P101	155518	P227	159467	P250	159470	P252	159246	P253	159247	P253
155521	P227	156159	P229	157051	P230	155432	P356	159251	P254	160094	P254	150052	P255	161594	P255
156131	P356	155449	P358	157132	P362	156222	P364	161844	P256	161622	P256	151573	P257	162523	P258
163424	P366	158308	P368	163462	P373	161712	P399	162522	P258	162521	P258	162519	P259	163531	P260
161914	P404	161759	P405	162417	P405	161880	P406	154656	P261	154653	P261	154651	P262	154650	P262
156223	P412	158307	P413	162014	P417	162016	P418	154648	P263	154503	P264	154672	P264	154664	P265
162536	P418	156237	P428	156238	P428	156239	P429	153729	P266	153728	P267	154660	P267	154654	P268
156240	P429	156241	P430	156242	P431	156243	P431	154652	P268	154949	P268	155293	P269	155291	P272
156244	P432	156245	P432	154689	P503	156065	P505	156220	P273	156974	P274	156197	P274	158301	P276
160815	P546	162541	P546					156915	P277	158610	P277	153365	P278	158627	P280
TEST, NONDESTRUCTIVE															
161793	P221	160062	P578					158628	P280	158634	P281	158636	P281	158612	P282
*TEST, SYSTEM OPERABILITY															
154882	P130	156932	P143	156938	P178	160461	P219	158667	P282	160341	P284	158676	P284	159496	P284
158599	P317	156933	P372	156883	P376	159094	P389	159226	P285	159104	P286	150203	P286	160227	P286
158646	P509	156942	P555					160228	P287	159313	P288	159576	P288	159575	P288
TEST, SYSTEM OPERABILITY															
154710	P 1	154507	P 1	155529	P 2	155551	P 3	159573	P289	160104	P290	160882	P292	161799	P293
155526	P 4	155310	P 4	155510	P 4	155512	P 5	161717	P294	162035	P295	163361	P295	163404	P296
155514	P 5	156225	P 6	155401	P 6	155403	P 7	163403	P296	153506	P297	154492	P298	154493	P298
158616	P 9	158620	P 10	159445	P 10	160275	P 10	153505	P298	153740	P300	154668	P301	154667	P301
160268	P 11	160324	P 11	160325	P 12	160262	P 12	157721	P302	154889	P303	159216	P304	155554	P306
159205	P 13	159051	P 14	159057	P 14	159058	P 15	155326	P307	156095	P309	156096	P309	156100	P310
159059	P 15	159564	P 16	159558	P 16	159411	P 17	156975	P311	157121	P313	157073	P313	156991	P315
160353	P 17	160460	P 18	160462	P 19	160829	P 19	158597	P316	158601	P318	156997	P318	158790	P319
160856	P 19	160855	P 20	160851	P 21	160501	P 21	159500	P322	159501	P323	158683	P325	159614	P328
160801	P 21	160825	P 22	161990	P 23	161999	P 24	159588	P328	159316	P331	159434	P332	159433	P333
163373	P 24	153974	P 29	153935	P 29	154904	P 32	159314	P335	160128	P335	159486	P336	160138	P338
159088	P 37	159256	P 39	159257	P 39	160072	P 40	160166	P339	160810	P339	160493	P340	160486	P340
160043	P 40	163495	P 41	161980	P 43	161982	P 43	160868	P340	161951	P341	160840	P341	161614	P342
161983	P 44	162017	P 44	163389	P 44	163388	P 45	162743	P343	162080	P345	159378	P346	154619	P347
161913	P 45	153490	P 46	154441	P 47	154617	P 48	154574	P348	154948	P348	153735	P349	154944	P350
154615	P 48	154610	P 48	155296	P 49	154919	P 49	155313	P350	154940	P351	154744	P351	154739	P352
155595	P 51	154917	P 51	155208	P 52	155524	P 53	155299	P353	154737	P354	156116	P355	156143	P355
155532	P 55	156011	P 55	156014	P 56	156211	P 56	156144	P355	156130	P356	154532	P356	156131	P356
156212	P 56	157033	P 57	157030	P 58	156961	P 60	155433	P357	156133	P358	156449	P358	156108	P358
157700	P 62	157168	P 63	158272	P 63	158269	P 63	155454	P359	156117	P359	156118	P359	156121	P360
157738	P 64	157737	P 64	158710	P 64	158293	P 65	156122	P360	157129	P361	157131	P361	157132	P362
160179	P 67	159418	P 68	159405	P 69	159404	P 70	156996	P362	156992	P362	156990	P363	156222	P364
160214	P 71	160155	P 72	161796	P 77	163339	P 78	158299	P364	156983	P365	157000	P366	158298	P366
163338	P 78	163337	P 79	153489	P 79	154438	P 80	158297	P367	157072	P367	156937	P368	158308	P368
154437	P 80	155205	P 81	155204	P 81	155365	P 82	158726	P369	158643	P370	156994	P370	158296	P371
155489	P 83	156017	P 86	156948	P 87	157743	P 88	156935	P372	157159	P373	156858	P374	156958	P374
159162	P 89	160285	P 90	159485	P 90	159336	P 90	156857	P375	156855	P375	156856	P375	156957	P376
159340	P 91	159398	P 92	160302	P 92	159395	P 92	157161	P377	158644	P378	156863	P378	158656	P379
160092	P 94	160153	P 94	161065	P 96	161452	P 96	158662	P379	158674	P382	158675	P382	159620	P382
161792	P 98	161866	P 99	161863	P100	153460	P101	158445	P384	163461	P385	159593	P385	158771	P386
153459	P101	153458	P101	153457	P102	153456	P102	159591	P386	158774	P387	150100	P389	159317	P390
154707	P103	154896	P103	155341	P104	155503	P105	159306	P391	159584	P391	159311	P393	159304	P393
157009	P105	158235	P106	158537	P107	157715	P107	159305	P394	159319	P394	160441	P396	160370	P396
157436	P107	157437	P108	157438	P108	158596	P109	160476	P396	160450	P397	160455	P397	160518	P398
157716	P109	159488	P110	159108	P110	159416	P112	160519	P399	161872	P400	161473	P401	161770	P402
159650	P113	159284	P113	159245	P114	159393	P114	161853	P402	161628	P403	161854	P403	161914	P404
159391	P115	160216	P116	160330	P116	160080	P116	161852	P404	161845	P404	161880	P406	161881	P406
161598	P118	161620	P119	161821	P120	161959	P120	161883	P407	162702	P408	162008	P412	156223	P412
161936	P121	161935	P121	161934	P122	154513	P122	158307	P413	158309	P413	157165	P413	160454	P415
154511	P122	154731	P123	154554	P124	154510	P125	162014	P417	162016	P418	155195	P420	156005	P421
154516	P126	154508	P126	155565	P127	153731	P128	158276	P422	159128	P422	159289	P423	160459	P423
155552	P131	154880	P131	155515	P132	155397	P132	160600	P423	160923	P424	161471	P425	153488	P427
157057	P134	159141	P138	159444	P139	160301	P139	155191	P428	156237	P428	156238	P428	156239	P429
159164	P140	160317	P142	158545	P144	159166	P145	156240	P429	156044	P430	156241	P430	156242	P431
159197	P146	163465	P146	159211	P147	160211	P148	156243	P431	156244	P432	156245	P432	156879	P434
160201	P148	160204	P149	160205	P150	160467	P151	159209	P435	159422	P436	160209	P436	160336	P437
160084	P153	163394	P153	160865	P153	160864	P154	160210	P437	154447	P439	158697	P441	158593	P442
161650	P154	161687	P155	160534	P155	161075	P156	159235	P442	158780	P443	159511	P443	159513	P444
160527	P156	163468	P157	163502	P159	154492	P298	160313	P444	163383	P447	153938	P449	154450	P449
154559	P162	153737	P164	154678	P166	155575	P166	154934	P450	154449	P450	155566	P451	155557	P451
155572	P167	155320	P169	154877	P170	158755	P171	155560	P452	155456	P452	155601	P452	155993	P453
155531	P171	155407	P171	163471	P172	156107	P173	155474	P453	155994	P454	155999	P455	158695	P456
155317	P173	157059	P174	155404	P175	156930	P176	157699	P456	160256	P458	150261	P458	160295	P459
159604	P178	158655	P179	158732	P180	159621	P181	160235	P460	160235	P461	159328	P462	160326	P462
159690	P181	161069	P182	161070	P183	159356	P184	160354	P463	159672	P463	159675	P464	160433	P464
161602	P184	160367	P185	160045	P186	160358	P187	160817	P465	160148	P465	160520	P466	161644	P466
160867	P188	162713	P189	161945	P189	160866	P189	161743	P467	161873	P468	162044	P469	163385	P470
160514	P190	160513	P190	161985	P193	161595	P194	162041	P470	153477	P474	154734	P475	155380	P476
161653	P196	161654	P196	161652	P197	162727	P197	155382	P476	159644	P479	159578	P479	160122	P480
161651	P197	161816	P200	161981	P201	161972	P201	161960	P480	160333	P481	160434	P481	160485	P481
155396	P204	153495	P206	153494	P207	153940	P207	160927	P482	160927	P483	160550	P483	161071	P483
154620	P207	155197	P208	154616	P209	155312	P210	161779	P484	161638	P484	161961	P485	161909	P486
160002	P211	15													

160083 P527	161907 P535	161908 P536	162533 P536	156218 P 27	156224 P205	159532 P216	160087 P218
153948 P538	153491 P538	154443 P538	154920 P539	163345 P239	158788 P319	160509 P398	155994 P454
155522 P539	155369 P540	156024 P540	156025 P540	160523 P529	160909 P530	154606 P566	
156006 P541	157008 P542	156962 P542	156912 P543	*TURBINE			
158751 P544	160452 P546	160815 P546	160451 P547	160275 P 10	159059 P 15	156929 P 28	158248 P 29
161063 P548	153487 P550	153951 P551	154916 P551	155292 P 50	155595 P 51	156211 P 56	157033 P 57
154915 P552	155490 P552	155491 P552	155985 P553	156961 P 60	159405 P 69	159404 P 70	155489 P 83
155987 P553	156019 P554	156161 P554	159569 P555	156029 P 84	156017 P 86	157436 P107	159245 P114
158494 P555	158495 P556	158714 P556	159344 P557	161070 P183	161972 P201	157032 P245	154657 P260
159524 P558	159688 P558	160067 P559	160835 P559	154665 P301	160250 P318	158790 P319	159502 P324
160567 P559	160878 P560	161455 P560	163490 P560	159434 P332	159311 P393	160519 P399	159235 P442
161458 P561	161901 P562	161902 P562	153482 P564	160313 P444	157162 P456	160485 P481	161967 P485
153481 P565	153480 P565	154714 P566	154875 P566	154875 P566	156151 P570		
155590 P568	155589 P568	155992 P569	156151 P570	TURBINE			
157081 P571	157039 P571	156889 P572	158703 P573	160462 P 19	161752 P 22	158272 P 63	159418 P 68
159171 P574	159525 P575	160257 P576	160895 P576	157743 P 88	159340 P 91	159108 P110	156183 P137
160930 P578	160535 P579	160093 P580	161955 P581	156530 P176	160358 P187	158620 P207	159493 P249
TEST, WEAPONS				159469 P249	159485 P251	159460 P251	159491 P251
162480 P159	163381 P296	163383 P447		159253 P253	162521 P258	159382 P290	155326 P307
*TESTING				163478 P325	158685 P327	156118 P359	159127 P381
155457 P 85	154618 P208	154665 P301	154663 P302	162539 P416	156239 P429	156242 P431	161779 P484
154942 P350	161874 P401	162423 P406	155400 P410	161638 P484	155147 P491	155395 P501	159600 P510
155443 P454				159242 P511	159551 P511	160187 P522	160451 P547
TESTING				155590 P568			
161752 F 22	163370 P 25	156984 P 34	154918 P 50	ULTRASONICS			
156945 P 61	160570 P 76	155594 P 82	160213 P 93	153974 P 29	161913 P 45	154615 P 48	161793 P221
160115 P114	159389 P115	155399 P134	160110 P149	160062 P578			
160159 P152	154732 P162	160112 P183	153492 P224	UNDERGROUND			
154051 P241	153455 P242	158686 P248	154666 P265	157090 P313	155566 P451		
155550 P269	158636 P281	155322 P290	154881 P304	*UPDATE			
155411 P310	157089 P314	160289 P315	154738 P354	163365 P278	163363 P289		
157119 P360	156988 P364	156555 P375	157157 P377	UPDATE			
157172 P378	159092 P387	159373 P395	160802 P403	163568 P 61	161868 P 70	153340 P 73	163341 P 74
156157 P421	154446 P439	155596 P454	158270 P458	163596 P 93	163405 P111	162713 P189	161945 P189
158779 P459	161877 P468	156065 P505	159463 P522	163503 P191	161984 P192	153598 P212	163597 P226
156025 P540	155413 P545			163481 P250	163451 P263	163424 P366	163426 P369
THERMAL CONSIDERATION				163462 P373	163461 P385	153595 P475	161960 P480
159293 P 39	159323 P334			163583 P494	161975 P496	163482 P534	162541 P546
THERMAL MECHANICAL EFFECT				163490 P560	163493 P579		
160501 P 21	159398 P 92	159391 P115	161685 P292	*VACUUM RELIEF			
159317 P390	159607 P516			159629 P385			
*THERMAL POLLUTION				VACUUM RELIEF			
159137 P471	161940 P534			158229 P235	159627 P329		
THERMAL POLLUTION				*VALVE OPERATORS			
158700 P 66	160156 P 73	161754 P 78	158696 P442	159059 P 15	160501 P 21	160155 P 72	160570 P 76
159070 P471	159520 P472	160300 P472	160357 P472	159416 P112	156183 P137	160525 P187	160082 P188
155398 P502	160523 P529			161655 P195	157698 P212	160566 P220	160230 P234
*THERMAL TRANSIENT				159247 P253	160094 P254	151594 P255	162522 P258
162521 P258				162519 P259	162035 P295	159314 P335	163462 P373
THERMAL TRANSIENT				159157 P387	159319 P394	163380 P448	159644 P479
161758 P194	154622 P348	161631 P416	154622 P348	161560 P480	160927 P483	163583 P494	161975 P496
*TORUS				159365 P519	159536 P519	159499 P520	160926 P531
155529 P 2	159215 P 13	163370 P 25	160305 P 71	160553 P532	156942 P555	159688 P558	160067 P559
160155 P 72	154439 P 79	153461 P100	154516 P126	160567 P559	160878 P560	151900 P562	161901 P562
155559 P129	155572 P167	155568 P168	155534 P168	161861 P563			
154883 P169	156076 P172	155513 P173	161813 P200	VALVE OPERATORS			
158556 P211	158247 P214	158704 P215	153492 P224	160457 P 18	160856 P 19	150855 P 20	160827 P 20
160230 P234	154656 P261	154666 P265	155550 P269	156954 P 36	156014 P 56	156878 P 59	158631 P 62
155305 P270	157084 P275	158604 P282	159104 P286	158295 P 65	154437 P 80	154707 P103	155341 P104
154881 P304	156553 P315	156995 P317	159589 P330	156965 P106	160080 P116	158607 P140	160864 P154
159291 P334	154948 P348	154946 P349	156983 P365	161075 P156	162414 P160	155513 P173	160866 P189
158297 P367	159620 P382	163461 P385	159308 P392	161595 P194	153944 P224	155294 P225	156007 P228
160802 P403	156241 P430	160234 P461	159327 P461	158231 P232	161643 P239	155582 P243	160052 P255
161937 P535	162533 P536	153945 P536	153947 P537	163531 P260	154650 P262	154659 P265	153729 P266
162541 P546	158495 P556	159171 P574		154660 P267	155587 P270	155517 P273	158301 P276
TORUS				158300 P276	158610 P277	154668 P301	154667 P301
159411 P 17	156228 P131	155515 P132	155314 P133	156991 P315	158754 P321	158685 P327	160868 P340
160358 P187	161947 P198	163552 P259	156196 P274	154944 P350	154744 P351	156143 P355	156992 P362
153504 P299	153738 P303	158597 P316	160267 P322	157000 P366	158643 P370	156856 P375	158656 P379
159627 P329	159271 P333	159290 P333	160128 P335	158245 P380	157702 P380	159317 P390	161914 P404
159486 P336	154619 P347	158143 P355	156933 P372	158553 P434	159422 P436	160001 P441	160003 P441
156934 P373	158445 P384	159629 P385	160100 P389	158697 P441	160263 P459	150122 P480	160073 P482
160476 P396	161712 P399	160845 P400	159437 P411	161071 P483	154597 P488	153476 P489	155501 P491
156243 P431	153938 P449	153939 P449	158779 P459	160140 P497	159440 P497	160232 P523	160212 P526
154689 P503	154443 P538	155522 P539	157008 P542	153948 P538	156024 P540	157008 P542	158751 P544
159344 P557	159480 P572			158708 P544	159281 P545	160452 P546	160835 P559
*TRANSFORMERS				161455 P560	160564 P561	153481 P565	155590 P568
155400 P502	159689 P558			157039 P571	156889 P572	158722 P573	
TRANSFORMERS				*VALVE, CHECK			
159058 P 15	159267 P 68	161794 P 77	155488 P 83	161983 P 44	162017 P 44	159395 P 92	161452 P 96
156027 P477	158646 P509	155522 P539	155497 P570	160358 P187	161972 P201	158554 P212	156159 P229
*TRANSIENT				163424 P366	160802 P403	162536 P418	156239 P429
154444 P419				156240 P429	156242 P431	154734 P475	160297 P576
TRANSIENT				VALVE, CHECK			
161886 P 75				157700 P 62	160092 P 94	151813 P200	155518 P227
TRUCK				156900 P246	154574 P348	154432 P356	157000 P366
156034 P506				*VALVES			
*TUBING				154711 P 1	155526 P 4	156225 P 6	160324 P 11
154459 P 32	160157 P 72	161656 P192	155312 P210	159205 P 13	159059 P 15	160462 P 19	160856 P 19
158705 P233	162417 P405	155993 P453	160910 P532	160855 P 20	161752 P 22	151715 P 23	161715 P 23
TUBING				154458 P 30	154457 P 31	154459 P 32	155473 P 34

156954 P 36	160043 P 40	161674 P 42	163388 P 45	159675 P 464	154734 P 475	160927 P 483	161618 P 485							
153490 P 46	154617 P 48	155532 P 55	156211 P 56	161567 P 485	155416 P 490	163583 P 494	161975 P 496							
156878 P 59	158631 P 62	158255 P 65	160179 P 67	160504 P 499	161755 P 500	160768 P 513	159536 P 519							
160214 P 71	160905 P 74	154437 P 80	158725 P 81	159499 P 520	160252 P 526	160526 P 531	161824 P 534							
157735 P 89	159162 P 89	160092 P 94	160154 P 94	161454 P 549	153951 P 551	160161 P 554	156942 P 555							
160153 P 94	160921 P 95	161894 P 96	154707 P 103	159342 P 557	159688 P 558	161501 P 562								
154896 P 103	155341 P 104	157005 P 106	156965 P 106	*VENTILATION SYSTEM										
159484 P 111	159416 P 112	160080 P 116	161621 P 119	159558 P 16	160457 P 18	155516 P 26	153498 P 31							
161821 P 120	154731 P 123	156229 P 129	156228 P 131	154919 P 49	159405 P 69	160404 P 70	160214 P 71							
155515 P 132	156928 P 139	156920 P 142	159199 P 147	162727 P 197	160272 P 283	160446 P 322	159433 P 333							
162414 P 160	153503 P 299	153736 P 164	154678 P 166	156986 P 365	154446 P 439	164740 P 474	163595 P 475							
161070 P 183	160487 P 185	160082 P 188	160866 P 189	155501 P 491	159440 P 497	160490 P 552								
161653 P 196	162720 P 200	152429 P 205	154616 P 209	VENTILATION SYSTEM										
157686 P 213	158704 P 215	153944 P 224	155294 P 225	156954 P 36	155192 P 51	160157 P 72	161065 P 96							
155194 P 225	155599 P 227	155518 P 227	155521 P 227	160387 P 136	159166 P 145	155521 P 227	159299 P 252							
156007 P 228	156010 P 228	157051 P 230	156987 P 231	157121 P 313	160277 P 321	160557 P 326	159605 P 332							
160176 P 235	161457 P 238	160903 P 238	161643 P 239	160810 P 339	162058 P 345	160307 P 413	162014 P 417							
156604 P 242	155582 P 243	155580 P 243	157036 P 244	156241 P 430	155557 P 451	160706 P 455	160137 P 495							
156900 P 246	159542 P 246	159556 P 247	159467 P 250	160141 P 497										
163481 P 250	159246 P 253	161844 P 256	162523 P 258	VERMONT YANKEE (BWR)										
163531 P 260	154655 P 261	154651 P 262	154650 P 262	153482 P 564	153481 P 565	153480 P 565	154714 P 566							
153729 P 266	154660 P 267	155587 P 270	155517 P 273	154875 P 566	154606 P 566	160604 P 567	155190 P 567							
158301 P 276	158300 P 276	156610 P 277	163365 P 278	154600 P 568	155590 P 568	160604 P 568	160992 P 569							
158612 P 282	161685 P 292	160917 P 293	161768 P 294	155469 P 569	155497 P 570	155471 P 570	156151 P 570							
163403 P 296	153741 P 297	153504 P 299	153503 P 299	157081 P 571	157039 P 571	160682 P 571	156889 P 572							
154668 P 301	154667 P 301	154665 P 301	154889 P 303	159480 P 572	156989 P 573	160722 P 573	158703 P 573							
156085 P 308	160249 P 315	156991 P 315	158754 P 321	159171 P 574	159172 P 574	160103 P 575	159525 P 575							
160267 P 322	159500 P 322	159508 P 324	160486 P 340	160337 P 575	160297 P 576	160064 P 576	160895 P 576							
160868 P 340	154946 P 349	154738 P 354	156143 P 355	160897 P 577	163501 P 577	160062 P 578	161637 P 578							
155432 P 356	156131 P 356	155449 P 358	156108 P 358	160930 P 578	160535 P 579	160828 P 579	163493 P 579							
157132 P 362	156992 P 362	163451 P 363	156222 P 364	161627 P 500	160093 P 580	161955 P 581	162048 P 581							
157000 P 366	157072 P 367	158308 P 368	158643 P 370	*VIBRATION										
156941 P 371	156856 P 375	156557 P 376	158656 P 379	162524 P 257	160145 P 339									
156245 P 380	157702 P 380	159620 P 382	158445 P 384	VIBRATION										
163461 P 385	159157 P 387	156670 P 388	159317 P 390	160457 P 18	155473 P 34	1608710 P 64	159398 P 92							
159292 P 390	160476 P 396	161712 P 399	161854 P 403	160302 P 92	159391 P 115	160331 P 158	155320 P 169							
161914 P 404	161852 P 404	161845 P 404	161759 P 405	155404 P 175	162724 P 198	161653 P 402	162046 P 468							
162417 P 405	161880 P 406	161883 P 407	162703 P 407	160300 P 472	160357 P 472	160287 P 487	156971 P 492							
162702 P 408	160844 P 411	158307 P 413	158309 P 413	WASTE DISPOSAL										
157165 P 413	163464 P 414	162014 P 417	162016 P 418	154648 P 263	157428 P 281	160808 P 307	156067 P 506							
160060 P 423	156237 P 428	156238 P 428	156241 P 430	161908 P 536										
156243 P 431	156047 P 431	156244 P 432	156245 P 432	WASTE DISPOSAL, GAS										
156012 P 433	159204 P 435	160374 P 436	159422 P 436	160104 P 290										
160209 P 436	160336 P 437	161895 P 438	160001 P 441	*WASTE DISPOSAL, LIQUID										
158697 P 441	159511 P 443	154450 P 449	155996 P 454	162519 P 259	156080 P 307									
157006 P 455	160263 P 459	161467 P 467	154740 P 474	WASTE DISPOSAL, LIQUID										
163595 P 475	159194 P 478	159578 P 479	160122 P 480	154648 P 263	157428 P 281	162722 P 408	162016 P 418							
160073 P 482	161071 P 483	161974 P 486	154597 P 488	*WASTE HANDLING										
153476 P 489	155501 P 491	160000 P 492	156969 P 493	153495 P 206										
159095 P 494	160137 P 495	159450 P 496	160141 P 497	WASTE HANDLING										
159440 P 497	162034 P 500	158413 P 508	159563 P 509	156080 P 307										
159562 P 510	159552 P 512	158834 P 514	158840 P 515	*WASTE HEAT										
159363 P 518	159280 P 520	160232 P 523	160344 P 524	161754 P 78										
160240 P 524	160251 P 525	160212 P 526	160497 P 528	WASTE HEAT										
160559 P 532	162533 P 536	153548 P 538	153491 P 538	161940 P 534										
154443 P 538	155522 P 539	156024 P 540	156025 P 540	WASTE STORAGE										
157008 P 542	158751 P 544	158708 P 544	160452 P 546	159515 P 206	154927 P 209									
160815 P 546	162541 P 546	153487 P 550	154916 P 551	WASTE TREATMENT										
155490 P 552	159569 P 555	158455 P 556	160835 P 559	153495 P 206	154927 P 209	160277 P 321	158308 P 368							
163490 P 560	161902 P 562	163334 P 564	153481 P 565	154920 P 539										
155590 P 568	157039 P 571	158889 P 572	158722 P 573	*WASTE TREATMENT, GAS										
160930 P 578	160535 P 579	161955 P 581												
VALVES														
160275 P 10	159411 P 17	160457 P 18	160827 P 20	159215 P 13	158700 P 66	167438 P 108	161633 P 118							
160501 P 21	157053 P 33	161983 P 44	156014 P 56	161655 P 195	159515 P 206	160604 P 282	159104 P 286							
157700 P 62	161892 P 76	156337 P 85	158747 P 89	160357 P 472										
159340 P 91	159395 P 92	161065 P 96	161792 P 98	*WATER										
161934 P 122	155397 P 132	155314 P 133	155399 P 134	155551 P 3	159558 P 16	160411 P 17	156946 P 58							
156183 P 137	158607 P 140	156993 P 141	158658 P 145	157167 P 60	157437 P 108	160291 P 111	154522 P 124							
160864 P 154	161075 P 156	162412 P 160	155531 P 171	156227 P 133	155314 P 133	160184 P 137	160205 P 150							
155513 P 173	156110 P 175	156930 P 176	159135 P 180	161811 P 158	160296 P 174	158655 P 179	160873 P 191							
160358 P 187	161595 P 194	161654 P 196	161813 P 200	161947 P 198	161813 P 200	162707 P 202	155295 P 209							
161972 P 201	154620 P 207	158554 P 212	157698 P 212	163371 P 223	156207 P 230	167036 P 244	159493 P 249							
160264 P 213	159527 P 216	161903 P 222	153492 P 224	159469 P 249	159485 P 251	160460 P 251	159491 P 251							
156159 P 229	157058 P 231	158231 P 232	158229 P 235	155523 P 271	159581 P 287	163651 P 295	154667 P 301							
156169 P 244	159465 P 250	159247 P 253	160094 P 254	154881 P 304	156972 P 311	167090 P 313	158597 P 316							
161594 P 255	162522 P 258	162921 P 258	162519 P 259	159510 P 325	159065 P 331	160291 P 334	159248 P 335							
154669 P 265	158237 P 275	156915 P 277	159573 P 289	158656 P 379	159626 P 384	160317 P 390	161631 P 416							
162035 P 295	153740 P 300	155588 P 305	155554 P 306	160923 P 424	160001 P 441	162433 P 473	160902 P 465							
155541 P 307	157123 P 314	156953 P 315	158611 P 316	159070 P 471	159137 P 471	162433 P 473	159483 P 480							
156997 P 318	158292 P 319	160277 P 321	160269 P 321	161909 P 486	161975 P 496	160595 P 501	160252 P 526							
158685 P 327	159627 P 329	161059 P 339	162058 P 345											
154574 P 348	154944 P 350	154744 P 351	156118 P 359											
163424 P 366	163426 P 369	157159 P 373	163462 P 373											
156863 P 378	158671 P 381	155619 P 383	159629 P 385											
160100 P 389	159159 P 390	159319 P 394	159373 P 395											
160845 P 400	161628 P 403	161891 P 416	162536 P 418											
156005 P 421	160233 P 422	163492 P 427	156239 P 429											
156240 P 429	156242 P 431	156018 P 433	158553 P 434											
159209 P 435	160003 P 441	158780 P 443	159424 P 445											
161798 P 447	163384 P 447	163380 P 448	160257 P 457											

161596 P530	161940 P534	161537 P535	161898 P549	155523 P271	154622 P348	154622 P348	161676 P473
*WATER QUALITY				160093 P580			
154669 P265				WELDING			
*WEAR				160354 P463			
160043 P 40	155532 P 55	155434 P332	161712 P399	*WELDS			
161770 P402				161469 P 42	161911 P 45	154615 P 48	155407 P171
WEAR				161843 P195	159439 P217	154053 P241	155340 P243
155526 P 4	160324 P 11	161582 P 43	162017 P 44	156899 P246	161471 P425	163482 P534	159241 P557
163388 P 45	154617 P 48	156211 P 56	158272 P 63	163493 P579			
160921 P 95	161792 P 98	163391 P158	154616 P209	WELDS			
155518 P227	155521 P227	156159 P229	157051 P230	153974 P 29	153935 P 29	151913 P 45	163598 P212
156169 P244	162523 P258	162519 P259	155307 P272	161882 P237	156898 P245	159614 P328	163424 P366
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	#RCIC STEAM SUPPLY LINE VALVE FAILS TO OPEN AT DUANE	
	#RHR ALARM FAILS TO CLEAR AT DUANE	
	#TURBINE VALVE CLOSURE TEST NOT PERFORMED AT DUANE	
	#STEAM PRESSURE RELIEF VALVE STICKS OPEN AT DUANE	
	#CONTAINMENT ISOLATION VALVES FAIL TO CLOSE AT DUANE	
	#SET POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCH AT DUANE	
	#DRYWELL PRESSURE RECORDER INOPERABLE AT DUANE	
	#REACTOR COOLANT ISOTOPIC ANALYSIS MISSED AT DUANE	
	#TORUS WATER LEVEL PUMPED DOWN BELOW LIMIT AT DUANE	
	#CONTAMINATED WATER RELEASED WITHOUT SAMPLING AT	
	#FIRE PUMP REMOVED FROM SERVICE FOR REPAIR AT DUANE	
	#HPCI TURBINE REVERSING CHAMBERS CRACK AT DUANE	
	#RCIC TURBINE BEARINGS FAIL AT DUANE	
	LPCI LOOP SELECTION PRESSURE SWITCH FAILS TO RESET AT DUANE	
	RCIC TURBINE TRIP AND THROTTLE VALVE FAILS TO OPEN AT DUANE	
	STACK FILTERS NOT ANALYZED FOR ALPHAS DURING APRIL AT DUANE	
	POINT DRIFT IN RHR LOW PRESSURE PERMISSIVE SWITCH AT DUANE	
	POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCHES AT DUANE	
	POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCH AT DUANE	

PEACH BOTTOM 3*	#EXCESSIVE EROSION NOTED IN SW PUMPS STRAINER	#BACKUP AIR SUPPLIES TO CONTAINMENT VENTILATION VALVES FAIL	155501 P491
HATCH 2*	#FIRE	#BACKWASH LINE AT COOPER*	153972 P240
CREEK*	#DEGRADED FIRE	BARRIER PENETRATION SEAL INTO CONTROL RCCM BREACHED AT	159304 P393
	#BOLTS ON PENETRATION	BARRIERS FOUND AND FIRE WATCH NOT ESTABLISHED AT OYSTER	158250 P457
	#CONDENSATE STORAGE TANK	BASE PLATE FOUND FAULTY AT MILLSTONE 1*	159128 P422
	#EMERGENCY STATION	BASE SLAB SEAL MISSING AT HATCH 1*	157091 P312
	#MAIN STATION AND DG	BATTERIES FAIL TO MAINTAIN THEIR LOADS AT HATCH 2*	156117 P359
	#REACTOR DEPRESSURIZING SYSTEM	BATTERIES NOT TESTED WHEN REQUIRED AT OYSTER CREEK*	155443 P454
	#SWITCHYARD 125 VOLT DC	BATTERY CELL FAILS AT BIG ROCK POINT*	154904 P 32
	#125V DC CONTROL	BATTERY CHARGER FAILS AT PILGRIM 1*	153466 P500
	#STATION	BATTERY CHARGER FAILS AT PILGRIM 1*	160239 P523
	#REACTOR DEPRESSURIZING SYSTEM CHANNEL	BATTERY CHARGERS FAIL TO MAINTAIN REQUIRED LOAD AT HATCH 2*	156121 P360
	#REACTOR DEPRESSURIZING	BATTERY FAILS AT BIG ROCK POINT*	159088 P 37
	#RDS	BATTERY FAILS TO HOLD CHARGE AT BIG ROCK POINT*	160072 P 40
	#DIESEL FIRE PUMP	BATTERY HAS LOW SPECIFIC GRAVITY AT BIG ROCK POINT*	159256 P 39
		BATTERY HAS LOW SPECIFIC GRAVITY AT FITZPATRICK*	159496 P28*
ARNOLD*		#BATTERY SURVEILLANCE DOCUMENTATION NOT COMPLETED AT DUANE	158305 P 9
	#DISCHARGE	#BATTERY VOLTAGE INDICATION READS LOW AT BRUNSWICK 1*	159138 P150
	#SCREEN WASH PUMP PIPING LEAKS AT HUMBOLDT	BAY CHLORINE CONCENTRATION EXCEEDS LIMIT AT QUAD CITIES*	159155 P550
	#SCREEN WASH PUMP DISCHARGE VALVE LEAKS AT HUMBOLDT	BAY 3*	163357 P411
	#UNIT 1 TRIP TEST NOT PERFORMED WHEN REQUIRED AT HUMBOLDT	BAY 3*	160844 P411
	#SUPPRESSION POOL COOLER PUMP LOSSES POWER AT HUMBOLDT	BAY*	155480 P410
	#SCREEN WASH PUMP MOTOR OVERHEATS AT HUMBOLDT	BAY*	160292 P410
	#DIESEL FIRE PUMP INOPERABLE AT HUMBOLDT	BAY*	159437 P411
	#MSIV SCRAM RELAYS FOUND TO	BAY*	162008 P412
	#TWO DRYWELL VENT VALVES FOUND TO	BE DE-ENERGIZED AT HATCH 1*	155554 P306
	#TWO SEISMIC SUPPORTS MAY	BE FULLY OPEN AT PEACH BOTTOM 2*	154740 P474
	#CABLE SEPARATION FOUND TO	BE INADEQUATE AT VERMONT YANKEE*	155471 P503
	#CRACK FOUND IN JET PUMP	BE INADEQUATE FOR ADS AND HPCI SYSTEMS AT PILGRIM 1*	154691 P570
	#CRACKED WELD IN STRUCTURAL STEEL	BEAM ASSEMBLY AT QUAD-CITIES 2*	157065 P553
	#CRACK FOUND IN JET PUMP HOLD-DOWN	BEAM AT BRUNSWICK 2*	161843 P195
	#CRACKS DISCOVERED IN JET PUMP	BEAM AT VERMONT YANKEE*	160062 P578
	#DISCONTINUITIES DISCOVERED IN JET PUMP	BEAMS AT MILLSTONE 1*	161870 P424
	#RHR SERVICE WATER PUMP	BEAMS AT PILGRIM 1*	156156 P506
	#RCIC SYSTEM INOPERABLE FOR TURBINE	BEARING COOLING WATER VALVES FOUND CLOSED AT HATCH 1*	158611 P316
	#CRACK FOUND IN HPCI TURBINE COUPLING	BEARING INSPECTION AT FITZPATRICK*	154657 P260
	#CRACK DISCOVERED IN HPCI TURBINE COUPLING	BEARING SUPPORT PEDESTAL AT BROWNS FERRY 1*	155292 P 50
	#DIESEL GENERATOR LOWER CRANKSHAFT MAIN	BEARING SUPPORT PEDESTAL AT BROWNS FERRY 2*	155489 P 83
	#DIESEL GENERATOR LOWER CRANKSHAFT THRUST	BEARING WIPED AT ARNOLD*	155401 P 6
	#RCIC TURBINE	BEARING WIPED AT ARNOLD*	155403 P 7
	#STANDBY GAS TREATMENT CHARCOAL	BEARINGS FAIL AT DUANE ARNOLD*	158248 P 29
	#RHR SERVICE WATER VAULT	BED LEAKS AT QUAD CITIES 1*	154920 P539
	#OFF GAS STACK FILTER AND CARTRIDGE LOST ON SITE	BED PLATE DRAIN VALVE FAILS TO CLCE AT QUAD CITIES 2*	153951 P551
	#MCNORAIL HOIST OPERABILITY NOT VERIFIED	BEFORE ANALYSIS AT ARNOLD*	154675 P 26
	#RCIC MADE INOPERATIVE WITHOUT	BEFORE USE AT HATCH 2*	162423 P406
	#CONTAINMENT ISOLATION	BEING DECLARED INOPERATIVE AT HATCH 2*	155300 P353
	#DIESEL GENERATOR LUBE OIL LEVEL DROPS	BELLOWS APPEARS TO LEAK AT HATCH 2*	162417 P405
	#FLOW THROUGH RHR PUMP SEAL COOLERS FALLS	BELOW LIMIT AT ARNOLD*	153730 P 2
	#COOLING WATER FLOW TO RHR PUMP SEAL FALLS	BELOW LIMIT AT BROWNS FERRY 3*	155503 P105
	#CONTAINMENT ATMOSPHERE DILUTION TANK VOLUME FALLS	BELOW LIMIT AT BROWNS FERRY 3*	159393 P114
	#SLC PUMP FLOW FALLS	BELOW LIMIT AT BRUNSWICK 1*	158658 P145
	#TORUS WATER LEVEL FALLS	BELOW LIMIT AT COOPER*	156169 P244
	#INSTRUMENT AC UNDERVOLTAGE RELAY SETPOINT FALLS	BELOW LIMIT AT DUANE ARNOLD*	159215 P 13
	#TORUS WATER LEVEL PUMPED DOWN	BELOW LIMIT AT DUANE ARNOLD*	163373 P 24
	#TORUS WATER LEVEL DROPS	BELOW LIMIT AT DUANE ARNOLD*	163370 P 25
	#DRYWELL TO TORUS DIFFERENTIAL PRESSURE FALLS	BELOW LIMIT AT FITZPATRICK*	154666 P265
	#DRYWELL TO TORUS DIFFERENTIAL PRESSURE FALLS	BELOW LIMIT AT FITZPATRICK*	155305 P270
	#TORUS WATER LEVEL FALLS	BELOW LIMIT AT FITZPATRICK*	157084 P275
	#FIRE WATER STORAGE TANK LEVEL DROPS	BELOW LIMIT AT FITZPATRICK*	158604 P282
	#SERVICE WATER PUMP FLOW RATE FALLS	BELOW LIMIT AT HATCH 1*	157090 P313
	#NITROGEN TANK LEVEL FALLS	BELOW LIMIT AT HATCH 1*	158601 P318
	#NITROGEN STORAGE TANK CONTENTS FALL	BELOW LIMIT AT HATCH 1*	161950 P341
	#TORUS WATER LEVEL	BELOW LIMIT AT HATCH 1*	162741 P344
	#STANDBY GAS TREATMENT SYSTEM FLOWRATE FALLS	BELOW LIMIT AT HATCH 2*	160802 P403
	#DIESEL DRIVEN FIRE PUMP FLOWRATE FALLS	BELOW LIMIT AT OYSTER CREEK*	155456 P452
	#CAD STORAGE TANK LEVEL DROPS	BELOW LIMIT AT PEACH BOTTOM 2*	155382 P476
	#DRYWELL TO TORUS DIFFERENTIAL PRESSURE FALLS	BELOW LIMIT DURING INERTING AT BRUNSWICK 2*	156110 P175
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#SET POINT DRIFT IN REACTOR WATER LEVEL TRANSMITTER AT	BIG ROCK POINT*	158777 P 37
#REACTOR DEPRESSURIZING SYSTEM CHANNEL BATTERY FAILS AT	BIG ROCK POINT*	159088 P 37
#PRESSURE INDICATOR SWITCH FAILS AT	BIG ROCK POINT*	160291 P 38
#REACTOR DEPRESSURIZATION SYSTEM INOPERABLE AT	BIG ROCK POINT*	159288 P 38
#RDS BATTERY HAS LOW SPECIFIC GRAVITY AT	BIG ROCK POINT*	159256 P 39
#CONTAINMENT DESIGN REVIEWED FOR STEAM LINE BREAKS AT	BIG ROCK POINT*	159293 P 39
#RDS SENSOR CHANNEL INOPERABLE AT	BIG ROCK POINT*	159257 P 39
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#SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT	BIG ROCK POINT*	160170 P 41
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#MAIN STEAM ISOLATION VALVE FAILS TO CLOSE AT	BIG ROCK POINT*	161674 P 42
#ANION RESIN TANK LEAKS AT	BIG ROCK POINT*	161469 P 42
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IN SENSOR CHANNEL OF REACTOR DEPRESSURIZING SYSTEM AT	BIG ROCK POINT*	#SETPOINT DRIFTS 158267 P 36
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#CNE OFF-SITE POWER SOURCE TRIPS AT PEACH	BOTTOM 2*	156027 P477
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#RRHR PUMP ROOM COOLER FAILS TO START	AT PEACH	BOTTOM 2*	160434	P481
#SET POINT DRIFT IN HPCI STEAM FLOW SENSOR	AT PEACH	BOTTOM 2*	160485	P481
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#CONTAINMENT ISOLATION VALVES FAIL CLOSED	AT PEACH	BOTTOM 2*	160927	P483
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#HPCI INOPERABLE	AT PEACH	BOTTOM 2*	161638	P484
#MAIN STEAM BYPASS VALVE INOPERABLE	AT PEACH	BOTTOM 2*	161618	P485
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VENTILATION ISOLATION VALVE FAILS TO CLOSE	AT PEACH	BOTTOM 3*	#CONTAINMENT	159440
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#CONTROL ROD FAILS TO INSERT AT	BROWNS FERRY 3*	#RESTRICTION IN 159108 P110
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#FOUR RIP VALVES FAIL TO OPERATE PROPERLY AT	BRUNSWICK 1 AND 2*	161702 P104
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#CONTROL ROD POSITION INDICATOR LIGHT FAILS TO LIGHT AT	BRUNSWICK 1*	154557 P123
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#RCIC MINIMUM FLOW	BYPASS VALVE FAILS TO CLOSE AT BROWN'S FERRY 3*	159416 P112
#MAIN STEAM	BYPASS VALVE INOPERABLE AT PEACH BOTTOM 2*	161618 P485
#ROD BLOCK MONITOR	BYPASSED TOO LONG AT BROWN'S FERRY 2*	156015 P 85
#FEEDWATER LEAK	BYPASSES DETECTION SYSTEM AT VERMONT YANKEE*	159480 P572
#BUS TIE BOARD DEENERGIZED DUE TO FEEDER	CABLE FAILURE AT BROWN'S FERRY 3*	154683 P103
SYSTEMS AT PILGRIM 1*	CABLE NOT ROUTED PROPERLY AT HATCH 1*	158791 P320
#FIRE WATCH REMOVED FROM	CABLE SEPARATION FOUND TO BE INADEQUATE FOR ADS AND HPCI	154691 P503
#PROPER FIRE WATCH NOT ESTABLISHED IN	CABLE SPREADING ROOM AT ARNOLD*	154874 P 3
1*	CABLE SPREADING ROOM AT DUANE ARNOLD*	158304 P 8
UNQUALIFIED SPLICES DISCOVERED ON MSIV SOLENOID VALVE POWER	CABLE VAULT SMOKE DETECTION SYSTEM NOT TESTED AT MILLSTONE	157402 P421
LACK OF SEPARATION OF HPCI AND ADS	CABLES AT MONTICELLO*	156012 P433
#STANDBY GAS TREATMENT POWER	CABLES DISCOVERED AT MONTICELLO*	156045 P430
AT BRUNSWICK 2*	CABLES SPLICES ARE NOT QUALIFIED AT BRUNSWICK 2*	159158 P180
BRUNSWICK 1 AND 2*	CABLES UNDERSIZED AT HATCH 2*	156881 P369
#TWO	CAC MONITOR ISOLATION VALVES FAIL TO OPEN AT BRUNSWICK 2*	161595 P194
#CORE MAXIMUM FRACTION OF LIMITING POWER DENSITY NOT	CAC MONITORS INOPERABLE AT BRUNSWICK 1*	160407 P152
#MALPHGR LIMITS	CAD STORAGE TANK LEVEL DROPS BELOW LIMIT DURING INERTING	156110 P175
#ERROR FOUND IN	CAD SYSTEM DOES NOT MEET SINGLE FAILURE CRITERION AT	161702 P194
#MAXIMUM TOTAL PEAKING FACTOR	CAD SYSTEM VALVES FAIL TO OPEN AT BRUNSWICK 2*	161653 P196
#DRYWELL HYDROGEN MONITORS FAIL TO	CAD TANK FLOW CONTROL VALVES FAIL TO OPERATE AT BRUNSWICK 2	161655 P195
#HYDROGEN MONITOR FAILS TO	CALCULATED AT HATCH 2*	157157 P377
	CALCULATED INCORRECTLY AT BROWN'S FERRY 3*	159352 P113
	CALCULATED SAFETY VALVE PRESSURE MARGIN AT NINE MILE POINT*	161798 P447
	CALCULATION INCORRECTLY AT BRUNSWICK 1*	159210 P148
	CALIBRATE AT BROWN'S FERRY 2*	160213 P 93
	CALIBRATE AT BROWN'S FERRY 3*	160330 P116

#DRYWELL HYDROGEN SENSOR FAILS TO
 #SEISMIC INSTRUMENT NOT PROPERLY
 #RPS INPUT SWITCH
 #ACCELEROMETER RECORDERS NOT
 #MAIN STEAM LINE HIGH RADIATION MONITOR OUT OF
 #REACTOR LOW PRESSURE SWITCH IS OUT OF
 #DRYWELL EQUIPMENT DRAIN LEAKAGE INTEGRATOR REQUIRES
 #SUPPRESSION CHAMBER TEMPERATURE RECORDER OUT OF
 #RECIRC LOOP TEMPERATURE INSTRUMENTS OUT OF
 #FEEDWATER CONTROL LEVEL TRANSMITTER FOUND OUT OF
 #NARROW RANGE TORUS WATER LEVEL TRANSMITTER OUT OF
 #POST LOCA MONITOR
 #MAIN STEAM LINE RADIATION MONITOR
 #REACTOR PRESSURE
 #ROD BLOCK AND HIGH FLUX SCRAM
 #UNQUALIFIED
 #DIESEL OIL SPILLED INTO
 #HIGH COBALT CONCENTRATION IN MOSS TAKEN FROM DISCHARGE
 DEMAND AT DRESDEN 1*
 FITZPATRICK*
 SYSTEM AT HATCH 2*
 BOTTOM 2*
 ANNUNCIATION AT NINE MILE POINT 1*
 #DIESEL GENERATOR
 #OFF GAS STACK FILTER AND
 #HPCI PIPE SNUBBER FAIL AND PUMP
 #CCSW PUMP
 #BLOWN FUSES
 #RPS HALF SCRAM
 #DAMAGED HEAT DETECTOR
 #ELECTRONIC DRIFT
 #DRIFTING LPRM
 #REACTOR DEPRESSURIZING SYSTEM BATTERY
 #FUEL ASSEMBLY LOADED INTO
 #SAFETY RELATED MOTOR CONTROL
 #HIGH
 #MILK SAMPLE
 #SUPPRESSION
 #REACTOR COOLANT LEAK DETECTION PARTICULATE
 #DRYWELL TO SUPPRESSION
 #RHR SUPPRESSION
 #UPDATE REPORT ON SUPPRESSION
 #SUPPRESSION
 #HPCI SUPPRESSION
 #SUPPRESSION
 #REACTOR BUILDING TO SUPPRESSION
 #HPCI TURBINE REVERSING
 #VALVE INSTALLED WITHOUT DESIGN
 #CONTAINMENT ATMOSPHERE MONITOR HAS A STEP
 #STEP
 BRUNSWICK 1*
 #OXYGEN CHANNEL OF CONTAINMENT ATMOSPHERIC MONITOR HAS STEP
 #NRC FAILURE - STATION ORGANIZATION
 #INSTRUMENT MAINTENANCE PROCEDURE
 #STANDBY GAS TREATMENT PROCEDURE
 #SET POINT DRIFT IN APRM
 #SET POINT DRIFT IN HIGH STEAMLINE RADIATION
 #SET POINT DRIFT IN HIGH STEAMLINE RADIATION
 #SET POINT DRIFT IN APRM
 DRIFT AND FAILURE OF AVERAGE POWER RANGE MONITORS IN ONE
 #LOW READING IN DRYWELL-TORUS DIFFERENTIAL PRESSURE
 #REACTOR DEPRESSURIZING SYSTEM
 #APRM
 #WIND DIRECTION
 #RDS SENSOR
 #RPS TRIP
 #OXYGEN
 #TEST CIRCUIT ALARMS RECEIVED FROM SENSOR
 #SETPOINT DRIFTS IN SENSOR
 #SETPOINT DRIFTS IN SENSOR
 #SETPOINT DRIFTS IN SENSORS
 #AIR PARTICULATE
 #MSIV LIMIT SWITCH FAILS TO DEENERGIZE SCRAM
 #VENTILATION SYSTEM ISOLATION
 #REACTOR DEPRESSURIZING SYSTEM
 #ADS SENSOR
 #REACTOR DEPRESSURIZING SYSTEM
 #RDS
 #STANDBY GAS TREATMENT
 #EMERGENCY VENT SYSTEM
 #REACTOR DEPRESSURIZING BATTERY FAILS TO HOLD
 #RHR PUMP BREAKER FOUND NOT
 #SWITCHYARD 125 VOLT DC BATTERY
 #125V DC CONTROL BATTERY
 #STATION BATTERY
 #FIRE
 CALIBRATE AT BROWNS FERRY 3*
 CALIBRATED AT HATCH 1*
 CALIBRATED INCORRECTLY AT PEACH BOTTOM 3*
 CALIBRATED ON TIME AT HATCH 2*
 CALIBRATION AT BRUNSWICK 1*
 CALIBRATION AT BRUNSWICK 2*
 CALIBRATION AT BRUNSWICK 2*
 CALIBRATION AT FITZPATRICK*
 CALIBRATION AT FITZPATRICK*
 CALIBRATION AT FITZPATRICK*
 CALIBRATION AT HATCH 2*
 CALIBRATION NOT PERFORMED ON TIME AT HATCH 1*
 CALIBRATION NOT PERFORMED ON TIME AT VERMONT YANKEE*
 CALIBRATION PROCEDURE NOT REVIEWED AT HATCH 2*
 CALIBRATIONS ARE NONCONSERVATIVE AT PILGRIM 1*
 CAM SYSTEM INSTALLED AT BROWNS FERRY 1*
 CANAL AT PEACH BOTTOM 2*
 CANAL AT PILGRIM 1*
 CAPACITY OF FIRE PUMP LESS THAN THAT REQUIRED BY NEW
 CARBON DIOXIDE FIRE PROTECTION SYSTEM INOPERABLE AT
 CARBON LOST FROM FILTERS IN REFUELING FLOOR VENTILATION
 CARDOX SYSTEM VAPOR PILOT VALVE FOUND CLOSED AT PEACH
 CARDOX TANK PRESSURE FALLS BELOW LIMIT WITHOUT
 CARTRIDGE LOST ON SITE BEFORE ANALYSIS AT ARNOLD*
 CASING GASKET LEAKS AT PILGRIM 1*
 CASING LEAKS AT DRESDEN 3*
 CAUSE LOSS OF CORE SPRAY SPARGER BREAK DETECTION ALARM AT
 CAUSED BY STEAM LINE RADIATION MONITOR AT DRESDEN 2*
 CAUSES FALSE ALARM AT BROWNS FERRY 3*
 CAUSES INCORRECT ROD BLOCK TRIP AT DRESDEN 2*
 CAUSES INDICATED HIGH THERMAL LIMIT AT FITZPATRICK*
 CCSW PUMP CASING LEAKS AT DRESDEN 3*
 CCSW PUMPS INOPERABLE DURING CHLORINATION AT BROWNS FERRY 2*
 CELL FAILS AT BIG ROCK POINT*
 CELL WITHOUT CONTROL ROD INSERTED AT ARNOLD*
 CENTER FEEDER BREAKER TRIPS AT QUAD CITIES 1*
 CESIUM ACTIVITY FOUND IN CRANBERRIES AT PILGRIM*
 CESIUM CONTENT EXCEEDS CONTROL BY FACTOR OF TEN AT PILGRIM
 CHAMBER COOLING VALVE FAILS AT QUAD-CITIES 1*
 CHAMBER COVER NUTS STRIPPED AT PILGRIM 1*
 CHAMBER DIFFERENTIAL PRESSURE OUT OF LIMITS AT BROWNS
 CHAMBER DUMP VALVE BREAKER TRIPS AT QUAD CITIES 1*
 CHAMBER LOW LEVEL AT QUAD CITIES*
 CHAMBER OXYGEN CONCENTRATION EXCEEDS LIMIT AT ARNOLD*
 CHAMBER SUCTION VALVE FAILS TO OPEN AT HATCH 2*
 CHAMBER TEMPERATURE RECORDER OUT OF CALIBRATION AT
 CHAMBER VACUUM BREAKER FAILS AT CYSTER CREEK*
 CHAMBERS CRACK AT DUANE ARNOLD*
 CHANGE APPROVAL AT LA CROSSE*
 CHANGE AT BRUNSWICK 1*
 CHANGE IN CONTAINMENT ATMOSPHERIC MONITOR READING AT
 CHANGED AT BRUNSWICK 1*
 CHANGED AT PILGRIM 1*
 CHANGES NOT REVIEWED AT FITZPATRICK*
 CHANGES NOT REVIEWED AT HATCH 1*
 CHANNEL AT BROWNS FERRY 3*
 CHANNEL AT BRUNSWICK 1*
 CHANNEL AT BRUNSWICK 1*
 CHANNEL AT FITZPATRICK*
 CHANNEL AT FITZPATRICK*
 CHANNEL AT HATCH 1*
 CHANNEL BATTERY FAILS AT BIG ROCK POINT*
 CHANNEL FAILS TO GO INOPERABLE WITH LESS THAN 11 LPRM
 CHANNEL FAILS UPSCALE AT BROWNS FERRY 1*
 CHANNEL INOPERABLE AT BIG ROCK POINT*
 CHANNEL INOPERABLE AT BRUNSWICK 2*
 CHANNEL OF CONTAINMENT ATMOSPHERIC RECORDER FAILS AT
 CHANNEL OF CONTAINMENT ATMOSPHERIC MONITOR HAS STEP
 CHANNEL OF RDS AT BIG ROCK POINT*
 CHANNEL OF REACTOR DEPRESSURIZING SYSTEM AT BIG ROCK POINT*
 CHANNEL OF REACTOR DEPRESSURIZING SYSTEM AT BIG ROCK POINT*
 CHANNEL OF REACTOR DEPRESSURIZING SYSTEM AT BIG ROCK POINT*
 CHANNEL RECORDER FAILS AT BROWNS FERRY 2*
 CHANNEL RELAY AT BROWNS FERRY 2*
 CHANNEL RELAYS FAILS AT BROWNS FERRY 1*
 CHANNEL REMOVED FROM SERVICE AT BIG ROCK POINT*
 CHANNEL REMOVED FROM SERVICE AT BIG ROCK POINT*
 CHANNEL REMOVED FROM SERVICE AT BIG ROCK POINT*
 CHANNEL REMOVED FROM SERVICE AT BIG ROCK POINT*
 CHARCOAL BED LEAKS AT QUAD CITIES 1*
 CHARCOAL NOT ANALYZED WHEN REQUIRED AT NINE MILE POINT 1*
 CHARGE AT BIG ROCK POINT*
 CHARGED AT COOPER*
 CHARGER FAILS AT PILGRIM 1*
 CHARGER FAILS AT PILGRIM 1*
 CHARGERS FAIL TO MAINTAIN REQUIRED LOAD AT HATCH 2*
 CHECK AT AUXILIARY OFF GAS BUILDING MISSED AT PILGRIM 1*
 161935 P121
 159378 P346
 160294 P493
 157119 P360
 154510 P125
 159690 P181
 163400 P203
 154656 P261
 154654 P268
 156915 P277
 154948 P348
 157089 P314
 156882 P571
 161874 P401
 159385 P517
 156945 P 61
 159483 P480
 159560 P510
 155476 P205
 161799 P203
 156986 P365
 159194 P478
 158593 P442
 156475 P 26
 159179 P515
 159547 P236
 156620 P 10
 157163 P211
 158682 P112
 157696 P232
 155418 P273
 159547 P236
 161451 P 97
 154904 P 32
 156078 P 7
 158624 P542
 161074 P533
 157023 P507
 157008 P542
 159463 P522
 153461 P100
 155522 P539
 153945 P536
 155520 P 2
 159317 P390
 154656 P261
 153938 P449
 156929 P 28
 163464 P414
 154876 P130
 156186 P138
 156115 P128
 160229 P523
 160250 P203
 160277 P321
 153457 P102
 157057 P134
 160317 P142
 154503 P264
 158627 P280
 154881 P304
 159088 P 37
 155299 P363
 154440 P 47
 159257 P 39
 159451 P183
 160084 P153
 156115 P128
 155482 P 33
 158266 P 36
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 158632 P 87
 159162 P 89
 154919 P 49
 154905 P 32
 157053 P 33
 158574 P 35
 163495 P 41
 154920 P539
 154446 P439
 160072 P 40
 154052 P241
 153466 P500
 160239 P523
 156121 P360
 159523 P516

#SECONDARY CONTAINMENT INTEGRITY	CHECK FAILED AT BRUNSWICK 1*	159164 P140
#SCRAM DISCHARGE VOLUME RESIDUAL WATER	CHECK NOT PERFORMED AT HATCH 1*	160135 P337
#LEAK RATE OF HPCI TURBINE EXHAUST	CHECK VALVE EXCEEDS LIMIT AT MONTICELLO*	156239 P429
#LEAK RATE OF RCIC TURBINE EXHAUST	CHECK VALVE EXCEEDS LIMIT AT MONTICELLO*	156242 P431
#RHR-SW	CHECK VALVE FAILS TO SEAT AT VERNONT YANKEE*	160297 P576
#HPCI	CHECK VALVE LEAK RATE EXCEEDS LIMIT AT BROWNS FERRY 2*	160072 P 94
#FEEDWATER INBOARD	CHECK VALVE LEAK RATE EXCEEDS LIMIT AT CRESDEN 3*	155518 P227
#FEEDWATER	CHECK VALVE LEAK RATE EXCEEDS LIMIT AT CRESDEN 3*	156159 P229
#RHR	CHECK VALVE LEAKS AT BROWNS FERRY 2*	159395 P 92
#EXCESS FLOW	CHECK VALVE MISSING INTERNALS AT BROWNS FERRY 2*	161452 P 96
#LPCI	CHECK VALVE UPSTREAM DRAIN LINE LEAKS AT CRESDEN 2*	158554 P212
#ADS ACCUMULATOR	CHECK VALVES LEAK AT COOPER*	156900 P246
#ADS ACCUMULATOR	CHECK VALVES LEAK AT HATCH 3*	157000 P366
#ADS SAFETY-RELIEF VALVE AIR SUPPLY	CHECK VALVES LEAK AT PEACH BOTTOM 2*	156734 P475
#FEEDWATER	CHECK VALVES LEAKS AT BIG ROCK POINT*	161983 P 44
#LINEAR HEAT GENERATION RATE NOT	CHECKED AT BROWNS FERRY 2*	159337 P 91
#BOTH MAIN	CHIMNEY OFF GAS SAMPLE PUMPS FAIL AT QUAD CITIES 1*	159331 P545
#REACTOR WATER SAMPLES INDICATE HIGH	CHLORIDE CONCENTRATION AT FITZPATRICK*	155291 P272
#REACTOR COOLANT	CHLORIDE CONCENTRATION EXCEEDS LIMIT AT HATCH 2*	156996 P362
#ONE POINT OF	CHLORIDE INTRUSION MONITOR INDICATES DOWNSCALE AT	153732 P127
#CCW PUMPS INOPERABLE DURING	CHLORINATION AT BROWNS FERRY 2*	161451 P 97
#DISCHARGE	CHLORINE CONCENTRATION EXCEEDS LIMIT AT BROWNS FERRY 2*	163470 P 97
#DISCHARGE BAY	CHLORINE CONCENTRATION EXCEEDS LIMIT AT QUAD CITIES*	159155 P550
#CONTROL ROOM	CHLORINE MONITOR FAN INOPERABLE AT HATCH 1*	160810 P339
#CONTROL ROOM AIR INTAKE	CHLORINE MONITOR INOPERABLE AT HATCH 1*	159433 P333
#TEST	CIRCUIT ALARMS RECEIVED FROM SENSOR CHANNEL OF RDS AT BIG	155482 P 33
#RHR LOGIC	CIRCUIT INOPERABLE AT QUAD-CITIES 2*	163335 P563
	#CIRCULATING WATER DELTA T EXCEEDS LIMIT AT PILGRIM 1*	161940 P534
	#CIRCULATING WATER DELTA TEMPERATURE EXCEEDS LIMIT AT NINE	158696 P442
MILE POINT 1*	CITIES 1*	153947 P537
#SUPPRESSION POOL LEVEL OUT OF LIMITS THREE TIMES AT QUAD	CITIES 1*	153948 P538
#DRYWELL FURGE VALVE CLOSING TIME EXCEEDS LIMIT AT QUAD	CITIES 1*	153491 P538
#MSIV CLOSURE TIME EXCEEDS LIMIT AT QUAD	CITIES 1*	154920 P539
#STANDBY GAS TREATMENT CHARCOAL BED LEAKS AT QUAD	CITIES 1*	155522 P539
#RHR SUPPRESSION CHAMBER CUMP VALVE BREAKER TRIPS AT QUAD	CITIES 1*	156024 P540
#MSIV FAILS TO CLOSE AT QUAD-	CITIES 1*	156004 P541
#MAIN STEAM LINE RADIATION MONITOR READS LOW AT QUAD	CITIES 1*	157008 P542
#SUPPRESSION CHAMBER COOLING VALVE FAILS AT QUAD-	CITIES 1*	158629 P543
#RECIRCULATION PUMP MOTOR GENERATOR SET TRIPS AT QUAD	CITIES 1*	156912 P543
#SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT QUAD	CITIES 1*	158751 P544
#TARGET ROCK SAFETY RELIEF VALVE FAILS TO OPEN AT QUAD	CITIES 1*	158708 P544
#MAIN STEAM ISOLATION VALVE FAILS TO CLOSE AT QUAD	CITIES 1*	159281 P545
#VACUUM BREAKER VALVE OPENS AT QUAD	CITIES 1*	159331 P545
#BOTH MAIN CHIMNEY OFF GAS SAMPLE PUMPS FAIL AT QUAD	CITIES 1*	159413 P545
#RCIC FLOW CONTROLLER LEFT IN MANUAL FOLLOWING TEST AT QUAD	CITIES 1*	160452 P546
#ELECTROMATIC RELIEF VALVE FAILS TO CLOSE AT QUAD	CITIES 1*	162541 P546
#UPDATE CN LEAKY CONTAINMENT ISOLATION VALVES AT QUAD	CITIES 1*	160059 P547
#FUEL BUNDLE MOVED PREMATURELY AT QUAD-	CITIES 1*	160091 P548
#CRACKS DISCOVERED IN CORE SPRAY PIPING AT QUAD	CITIES 1*	161063 P548
#DIESEL GENERATOR TRIPS ON HIGH ENGINE TEMPERATURE AT QUAD	CITIES 1*	160904 P548
#TEN PIPES NOT SUPPORTED PROPERLY AT QUAD-	CITIES 1*	161454 P549
#SAFETY RELIEF VALVE LINE CRACKED AT QUAD-	CITIES 1*	162089 P550
#PRIMARY CONTAINMENT INTEGRITY VIOLATED AT QUAD	CITIES 1*	156025 P540
RCIC STEAM SUPPLY VALVES LEFT CLOSED FOLLOWING TEST AT QUAD-	CITIES 1*	160815 P546
CONTAINMENT ISOLATION VALVE LEAK RATES EXCEED LIMIT AT QUAD	CITIES 1*	#SET 156964 P543
POINT DRIFT OF HIGH DRYWELL PRESSURE SWITCH FOUND AT QUAD	CITIES 1*	#FUEL 153946 P537
EXPOSURE EXCEEDS MAPLHGR LIMIT ANALYSIS EXPOSURES AT QUAD	CITIES 1*	#DIESEL 156006 P541
GENERATOR FAILS TO START FROM THE CONTROL ROOM AT QUAD	CITIES 1*	#DIESEL 161898 P549
GENERATOR COOLING WATER PUMP MOTOR INOPERABLE AT QUAD-	CITIES 1*	#SAFETY 158624 P542
RELATED MOTOR CONTROL CENTER FEEDER BREAKER TRIPS AT QUAD	CITIES 1*	#SET POINT 160451 P547
DRIFT IN HPCI TURBINE AREA HIGH TEMPERATURE SWITCH AT QUAD	CITIES 1*	#REACTOR LOW- 155369 P540
LOW WATER LEVEL SWITCH FAILS TO OPERATE PROPERLY AT QUAD	CITIES 1*	#DIFFERENTIAL 154443 P538
PRESSURE TRANSMITTER VALVE FOUND CLOSED AT QUAD	CITIES 1*	#SET POINT DRIFT 156962 P542
IN ELECTROHYDRAULIC CONTROL FLUID PRESSURE SWITCH AT QUAD-	CITIES 2*	153487 P550
#CONTAINMENT OXYGEN ANALYZER VALVE FAILS TO CLOSE AT QUAD	CITIES 2*	154916 P551
#SLC RELIEF VALVES UNTIL PRESSURE EXCEEDS LIMIT AT QUAD	CITIES 2*	154915 P552
#RHR SERVICE WATER VAULT PENETRATION LEAKS AT QUAD	CITIES 2*	155491 P552
#SET POINT DRIFT IN AUTOMATIC BLOWDOWN TIMER RELAY AT QUAD	CITIES 2*	155945 P553
#RHR PUMP TIMER RELAY FAILS AT QUAD-	CITIES 2*	155987 P553
#CORE SPRAY PIPE CRACKS DISCOVERED AT QUAD-	CITIES 2*	157065 P553
#CRACK FOUND IN JET PUMP BEAM ASSEMBLY AT QUAD-	CITIES 2*	159569 P555
#SET POINT DRIFT FOUND IN MSIV CLOSURE TIMING AT QUAD-	CITIES 2*	156942 P555
#PRESSURE RELIEF VALVE FAILS TO OPEN AT QUAD-	CITIES 2*	158494 P555
#REACTOR COOLANT CONDUCTIVITY EXCEEDS LIMIT AT QUAD	CITIES 2*	158495 P556
#SUPPRESSION FLOCL COOLING VALVE FAILS TO CLOSE AT QUAD	CITIES 2*	158714 P556
#HPCI EMERGENCY OIL PUMP DISCHARGE LINE LEAKS AT QUAD	CITIES 2*	159241 P557
#HPCI STEAM LINE LEAKS AT QUAD-	CITIES 2*	159524 P558
#HPCI STUCK ON HIGH SPEED AT QUAD	CITIES 2*	159689 P558
#RECIRC PUMP MOTOR GENERATOR BREAKER OPENS AT QUAD-	CITIES 2*	160067 P559
#CORE SPRAY VALVE FAILS TO OPEN AT QUAD	CITIES 2*	160567 P559
#LPCI VALVE FAILS TO OPEN FULLY AT QUAD-	CITIES 2*	160878 P560
#RHR CONTAINMENT COOLING VALVE FAILS TO OPEN AT QUAD-	CITIES 2*	161455 P560
#RCIC PUMP DISCHARGE VALVE FAILS TO OPEN AT QUAD	CITIES 2*	163490 P560
#UPDATE ON PRESSURE RELIEF VALVE FAILURE AT QUAD	CITIES 2*	160564 P561
#RHR PUMP FAILS TO START AT QUAD-	CITIES 2*	161458 P561
#SET POINT DRIFT IN CONTAINMENT PRESSURE SWITCH AT QUAD-	CITIES 2*	161900 P562
#PRIMARY VENT VALVE FAILS TO CLOSE IN TIME AT QUAD-	CITIES 2*	161901 P562
#RCIC AND HPCI INOPERABLE AT QUAD-	CITIES 2*	

#HPCI STOP VALVE COVER LEAKS AT QUAD-	CITIES 2*	161902 P562
#RHR LOGIC CIRCUIT INOPERABLE AT QUAD-	CITIES 2*	163335 P563
#HPCI VALVE INOPERABLE AT QUAD-	CITIES 2*	161861 P563
#ELECTROMAGNETIC RELIEF VALVE FAILS TO OPEN AT QUAD-	CITIES 2*	163334 P564
#RHR PUMP INOPERABLE AT QUAD-	CITIES 2*	162032 P564
CONTAINMENT ISOLATION NITROGEN VALVE FAILS TO CLOSE AT QUAD-	CITIES 2*	159688 P558
POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT QUAD-	CITIES 2*	#SET 159342 P557
RHR DELAY TIMERS FAIL TO ACTUATE THE TIMER CONTACTS AT QUAD-	CITIES 2*	#TWO 156019 P554
DRIFT IN TORUS VACUUM BREAKER PRESSURE SWITCH AT QUAD-	CITIES 2*	#SETPOINT 159344 P557
WATER VAULT BED PLATE DRAIN VALVE FAILS TO CLOSE AT QUAD-	CITIES 2*	#RHR SERVICE 153951 P551
VENTILATION SYSTEM ISOLATION VALVE FAILS CLOSED AT QUAD-	CITIES 2*	#REACTOR BUILDING 155490 P552
VALVES CLOSE TOO FAST AND FAIL TO INDICATE CLOSED AT QUAD-	CITIES 2*	#MAIN STEAM ISOLATION 160835 P559
FROM THE CORE ON CONTAINMENT ISOLATION TEST AT QUAD-	CITIES 2*	#TIP FAILS TO WITHDRAW 156161 P554
#UPDATE REPORT ON SUPPRESSION CHAMBER LOW LEVEL AT QUAD-	CITIES*	153945 P536
#DISCHARGE BAY CHLORINE CONCENTRATION EXCEEDS LIMIT AT QUAD-	CITIES*	159155 P550
#HPCI PUMP DISCHARGE PIPE	CLAMP NOT CONNECTED AT BRUNSWICK 1*	163393 P155
#SAFETY	CLASS PIPE SNUBBER FAILS AT VERMONT YANKEE*	155509 P568
#REACTOR WATER	CLEAN-UP ISOLATION VALVE FAILS TO CLOSE AT BROWNS FERRY 3*	156965 P106
#UPDATE REPORT ON REACTOR	CLEAN-UP SYSTEM PIPING INDICATIONS AT BIG ROCK POINT*	153974 P 29
#LINEAR INDICATION FOUND IN REACTOR WATER	CLEAN-UP SYSTEM WELD AT BROWNS FERRY 1.*	154615 P 48
#LEAK IN REACTOR WATER	CLAMPUP HEAT EXCHANGER LINE AT DRESDEN 3*	161882 P237
#REACTOR WATER	CLEANUP PIPE AND SNUBBER FAIL AT DRESDEN 3*	156207 P230
#PRELIMINARY REPORT ON LINEAR INDICATIONS IN REACTOR	CLEANUP PIPE AT VERMONT YANKEE*	160828 P579
#REACTOR WATER	CLEANUP PIPE CRACKS AT HATCH 1*	158724 P329
#UPDATE ON REACTOR WATER	CLEANUP SUCTION LINE CRACKED AT VERMONT YANKEE*	163493 P579
#REACTOR WATER	CLEANUP SYSTEM INSTRUMENT LINE LEAKS AT DRESDEN 2*	159439 P217
#REACTOR WATER	CLEANUP SYSTEM ISOLATION VALVE FAILS TO CLOSE IN TIME AT	160855 P 20
#CRACK IN REACTOR	CLEANUP SYSTEM LINE AT BIG ROCK POINT*	161913 P 45
#REACTOR WATER	CLEANUP SYSTEM PIPE CRACKS AT BRUNSWICK 2*	157059 P174
#SET POINT DRIFT IN REACTOR WATER	CLEANUP TEMPERATURE SWITCH AT PEACH BOTTOM 3*	160431 P498
#SCFAM DISCHARGE VOLUME FAILS TO DRAIN AND ALARMS	CLEAR AT DRESDEN 3*	158229 P235
#RHR ALARM FAILS TO	CLEAR AT DUANE ARNOLD*	160825 P 22
#LPCI PIPE RESTRAIN	CLEVIS PIN FOUND MISSING AT HATCH 1*	154670 P300
#HPCI STEAM SUPPLY VALVES	CLOSE ABOVE PRESSURE LIMIT AT HATCH 1*	153503 P161
#HPCI STEAM SUPPLY VALVES	CLOSE ABOVE PRESSURE LIMIT AT HATCH 1*	153503 P299
#MAIN STEAM ISOLATION VALVE FAILS TO	CLOSE AT BIG ROCK POINT*	161674 P 42
#SHUTDOWN BOARD ALTERNATE FEED BREAKER FAILS TO	CLOSE AT BROWNS FERRY 1*	155524 P 53
#RHR INJECTION VALVE FAILS TO	CLOSE AT BROWNS FERRY 1*	156014 P 56
#THREE RWCU ISOLATION VALVES FAIL TO	CLOSE AT BROWNS FERRY 1*	156878 P 59
#DRYWELL SAMPLE ISOLATION VALVE FAILS TO	CLOSE AT BROWNS FERRY 1*	158631 P 62
#MODULATING DAMPER FAILS TO	CLOSE AT BROWNS FERRY 1*	160214 P 71
#COOLING TOWER TRANSFORMER FEEDER BREAKERS FAIL TO	CLOSE AT BROWNS FERRY 1*	161794 P 77
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#REACTOR WATER CLEAN-UP ISOLATION VALVE FAILS TO	CLOSE AT BROWNS FERRY 3*	156965 P106
#RCIC MINIMUM FLOW BYPASS VALVE FAILS TO	CLOSE AT BROWNS FERRY 3*	159416 P112
#REACTOR SCRAMS WHEN BREAKER FAILS TO	CLOSE AT BROWNS FERRY 3*	160152 P117
#CONTAINMENT ATMOSPHERE MONITOR LINE VALVE FAILS TO	CLOSE AT BRUNSWICK 1*	156229 P129
#TWO INSTRUMENT SENSING LINE ISOLATION VALVES	CLOSE AT BRUNSWICK 1*	156228 P131
#RIP VALVE DOES NOT FULLY	CLOSE AT BRUNSWICK 1*	156920 P142
#SUPPRESSION POOL EXHAUST VALVE FAILS TO	CLOSE AT BRUNSWICK 2*	160487 P185
#CONTAINMENT PURGE VALVE FAILS TO	CLOSE AT COOPER*	155582 P243
#EQUIPMENT DRAIN VALVE FAILS TO	CLOSE AT COOPER*	161594 P255
#RHR SERVICE WATER VALVE FAILS TO	CLOSE AT COOPER*	161844 P256
#4160 VOLT BREAKER FAILS TO	CLOSE AT COOPER*	161593 P257
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#CONTAINMENT ISOLATION VALVES FAIL TO	CLOSE AT DUANE ARNOLD*	161715 P 23
#TWO FIRE DOORS FAIL TO	CLOSE AT FITZPATRICK*	154651 P262
#HPCI PUMP MINIMUM FLOW VALVE FAILS TO	CLOSE AT FITZPATRICK*	158301 P276
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#CONTAINMENT ISOLATION VALVE FAILS TO	CLOSE AT FITZPATRICK*	160917 P293
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#HPCI MINIMUM FLOW VALVE FAILS TO	CLOSE AT HATCH 1*	160868 P340
#HPCI MINIMUM FLOW VALVE FAILS TO	CLOSE AT HATCH 2*	154744 P351
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#CONTAINMENT ISOLATION VALVES FAIL TO	CLOSE AT HATCH 2*	156992 P362
#RCIC STEAM SUPPLY LINE ISOLATION VALVE FAILS TO	CLOSE AT HATCH 2*	158643 P370
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	#SECONDARY	# CONTAINMENT	INTEGRITY MOMENTARILY VIOLATED AT HATCH 1*	156092	P308
	#SECONDARY	# CONTAINMENT	INTEGRITY MOMENTARILY VIOLATED AT HATCH 1*	155410	P310
	#SECONDARY	# CONTAINMENT	INTEGRITY VIOLATED AT BROWNS FERRY 2*	161894	P 96
	#SECONDARY	# CONTAINMENT	INTEGRITY VIOLATED AT NINE MILE POINT 1*	159258	P445
		# CONTAINMENT	INTEGRITY VIOLATED AT OYSTER CREEK*	160234	P461
		# CONTAINMENT	INTEGRITY VIOLATED AT CYSTER CREEK*	161667	P467
	#PRIMARY	# CONTAINMENT	INTEGRITY VIOLATED AT QUAD CITIES 1*	162089	P550
AT MONTICELLO*		# CONTAINMENT	INTEGRITY VIOLATED BY REMOVING MSIV INTERNALS	156047	P431
BOTTOM 2*		# CONTAINMENT	INTEGRITY VIOLATED DURING REFUELING AT PEACH	156973	P478
		# CONTAINMENT	ISOLATION BELLOW APPEARS TO LEAK AT HATCH 2*	162417	P405
QUAD-CITIES 2*		# CONTAINMENT	ISOLATION NITROGEN VALVE FAILS TO CLOSE AT	159688	P558
	#TIP FAILS TO WITHDRAW FROM THE CORE ON	# CONTAINMENT	ISOLATION TEST AT QUAD-CITIES 2*	156161	P554
	#GROUND FAULT OCCURS IN	# CONTAINMENT	ISOLATION VALVE AT FITZPATRICK*	155587	P270
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	#RHR	# CONTAINMENT	ISOLATION VALVE FAILS TO CLOSE AT FITZPATRICK*	158610	P277
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3*		# CONTAINMENT	ISOLATION VALVE FAILS TO CLOSE AT PEACH BOTTOM	160137	P495
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		# CONTAINMENT	ISOLATION VALVE LEAKS EXCESSIVELY AT LACROSSE*	162014	P417
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		# CONTAINMENT	ISOLATION VALVES FAIL CLOSED AT PEACH BOTTOM 2*	160927	P483
		# CONTAINMENT	ISOLATION VALVES FAIL TO CLOSE AT DUANE ARNOLD*	161715	P 23
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*	#SEVEN	# CONTAINMENT	ISOLATION VALVES FOUND CLOSED AT PEACH BOTTOM 3	160504	P499
		# CONTAINMENT	ISOLATION VALVES INOPERABLE AT PILGRIM 1*	159363	P518
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	#LEAKAGE RATE OF THREE	# CONTAINMENT	ISOLATION VALVES UNACCEPTABLE AT HATCH 2*	155432	P356
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	#TUBING GOING INTO	# CONTAINMENT	LACKS PROPER SUPPORT AT HATCH 1*	158788	P319
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	#URIFT IN	# CONTAINMENT	OXYGEN ANALYZER AT BRUNSWICK 2*	160819	P193
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CITIES 2*	#UPDATE ON	#CONTAINMENT OXYGEN ANALYZER VALVE FAILS TO CLOSE AT QUAD	153487	P550
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BRUNSWICK 2*		#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS LIMIT AT	160874	P191
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		#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS LIMIT AT HATCH 1*	156187	P312
		#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS LIMIT AT HATCH 1*	158598	P316
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HATCH 2*		#CONTAINMENT PURGE VACUUM BREAKER PRESSURE SWITCH FAILS AT	158726	P369
		#CONTAINMENT PURGE VALVE FAILS TO CLOSE AT COOPER*	155582	P243
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		#CONTAINMENT SAMPLE EXHAUST PUMP FAILS AT PEACH BOTTOM 3*	160489	P498
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1*		#CONTAINMENT SPRAY ISOLATION VALVE FAILS AT NINE MILE POINT	158697	P441
AT PEACH BOTTOM 3*		#CONTAINMENT SPRAY OUTBOARD ISOLATION VALVE FAILS TO CLOSE	159095	P494
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	#SET POINT DRIFT IN	#CONTAINMENT SPRAY PRESSURE SWITCHES AT DUANE ARNOLD*	155512	P 5
	#SET POINT DRIFT IN	#CONTAINMENT SPRAY PRESSURE SWITCHES AT OYSTER CREEK*	161763	P467
	#SET POINT DRIFT IN	#CONTAINMENT SPRAY SWITCHES AT OYSTER CREEK*	162041	P470
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YANKEE*		#CONTAINMENT SPRAY VALVE FAILURE AT PEACH BOTTOM 3*	163583	P494
		#CONTAINMENT SUMP ISOLATION VALVE FAILS TO CLOSE AT VERMONT	158722	P573
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		#CONTAINMENT VACUUM BREAKER INOPERABLE AT DRESDEN 3*	160230	P234
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	#FCIC FAILS TO RESPOND TO SPEED	#CONTROL AT HATCH 1*	159502	P324
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ARNOLD*		#CONTROL BUILDING ISOLATION DAMPER FAILS TO CLOSE AT DUANE	160457	P 18
	#NINE	#CONTROL BUILDING WALLS OVERSTRESSED AT HATCH 1*	160843	P342
	#MILK SAMPLE CESIUM CONTENT EXCEEDS	#CONTROL BY FACTOR OF TEN AT PILGRIM 1*	157023	P507
	#CONTAINMENT ATMOSPHERIC	#CONTROL CABLE NOT ROUTED PROPERLY AT HATCH 1*	158791	P320
	#SAFETY RELATED MOTOR	#CONTROL CENTER FEEDER BREAKER TRIPS AT QUAD CITIES 1*	158624	P542
	#SETPOINT DRIFT IN STANDBY LIQUID	#CONTROL DISCHARGE RELIEF VALVE AT HATCH 2*	157072	P367
	#RCIC TURBINE	#CONTROL FAILS AT FITZPATRICK*	159382	P290
	#MSL LEAKAGE	#CONTROL FLOW INDICATOR FAILS AT HATCH 2*	159593	P385
	#SET POINT DRIFT IN ELECTROHYDRAULIC	#CONTROL FLUID PRESSURE SWITCH AT QUAD-CITIES 1*	156962	P542
FITZPATRICK*		#CONTROL LEVEL TRANSMITTER FOUND OUT OF CALIBRATION AT	156915	P277
	#RCIC REMOTE SHUTDOWN FLOW	#CONTROL LOOP FAILS AT HATCH 2*	154739	P352
	#DIESEL GENERATOR SPEED	#CONTROL LOST AT BROWNS FERRY 1*	154441	P 47
	#HPCI	#CONTROL POWER FAILS AT VERMONT YANKEE*	160337	P575
	#RCIC	#CONTROL POWER FUSE OPENS AT MONTICELLO*	158818	P434
	#HPCI AUTOMATIC FLOW	#CONTROL POWER INVERTER TRIPS AT HATCH 2*	153705	P349
		#CONTROL POWER TO DIESEL GENERATOR FAILS AT BRUNSWICK 1*	156922	P142
		#CONTROL POWER TO RHR VALVE FAILS AT COOPER*	155580	P243
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	#STANDBY LIQUID	#CONTROL PUMP FAILS OPERABILITY TEST AT HATCH 2*	156937	P368
	#SET POINT DRIFT IN STANDBY LIQUID	#CONTROL RELIEF VALVE AT HATCH 1*	154889	P303
	#STANDBY LIQUID	#CONTROL RELIEF VALVE FAILS TO OPEN AT BRUNSWICK 1*	159199	P147
	#SETPOINT DRIFT IN STANDBY LIQUID	#CONTROL RELIEF VALVES AT DRESDEN 3*	156010	P228
		#CONTROL RW BLOCK MONITOR FAILS AT DRESDEN 3*	160922	P237
		#CONTROL ROD BLOCK MONITOR INOPERABLE AT DUANE ARNOLD*	159561	P 16
		#CONTROL ROD BLOCK MONITOR INOPERABLE AT PILGRIM 1*	159555	P511
		#CONTROL ROD BLOCK MONITOR SETPOINT DRIFTS AT BRUNSWICK 1*	160467	P151
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		#CONTROL ROD DRIFTS OUT AT BROWNS FERRY 2*	158725	P 88
		#CONTROL ROD DRIVE ACCUMULATOR LEVEL SWITCH FAILS AT BROWNS	155296	P 49
FERRY 1*	#SET POINT DRIFT IN	#CONTROL ROD DRIVE ACCUMULATOR PRESSURE INDICATORS AT HATCH	158644	P378
2*		#CONTROL ROD DRIVE ACCUMULATOR PRESSURE SWITCHES SET	157131	P361
INCORRECTLY AT HATCH 2*		#CONTROL ROD DRIVE ACCUMULATORS FAIL TO MAINTAIN NITROGEN	160269	P321
PRESSURE AT HATCH 1*				

STRESS LIMITS AT MCNTICELLO* POINT*	#UPDATE REPORT ON	#CONTROL	ROD DRIVE FAILS TO WITHDRAW AT BRUNSWICK 2*	160047	P185
		#CONTROL	ROD DRIVE HOUSING LEAK AT BIG ROCK POINT*	153935	P 29
		#CONTROL	ROD DRIVE HYDRAULIC PIPE SUPPORTS FAIL TO MEET	156339	P433
		#CONTROL	ROD DRIVE PUMP VIBRATES EXCESSIVELY AT BIG ROCK	155473	P 34
	#TWO	#CONTROL	ROD DRIVE PUMPS INOPERABLE AT OYSTER CREEK*	162046	P468
ADEQUATE AT DRESDEN 2*		#CONTROL	ROD DRIVE SCRAM DISCHARGE PIPE SUPPORTS ARE NOT	158692	P214
MODIFICATION AT DRESDEN 3*		#CONTROL	ROD DRIVE SCRAM DISCHARGE PIPE SUPPORTS REQUIRE	158706	P234
AT NINE MILE PCINT*		#CONTROL	ROD DRIVE SCRAM PILECT SCLENDIOS NCT TESTED ON TIME	163384	P447
	#LEAK IN	#CONTROL	ROD DRIVE SYSTEM RETURN LINE AT BIG ROCK POINT*	161911	P 45
	#UPDATE REPORT ON	#CONTROL	ROD DRIVE TEMPERATURE AT BIG ROCK POINT*	153975	P 31
		#CONTROL	ROD FAILS TO INSERT AT BRWNS FERRY 3*	154896	P103
		#CONTROL	ROD FAILS TO SCRAM AT NINE MILE PCINT 1*	158780	P443
		#CONTROL	ROD FAILS TO WITHDRAW AT MCNTICELLO*	160336	P437
PERFORMED ON TIME AT OYSTER CREEK*		#CONTROL	ROD FREE TRAVEL INTERLOCK SURVEILLANCE NOT	158270	P458
BRUNSWICK 1*		#CONTROL	ROD HAS NO POSITION INDICATION FOR ONE NOTCH AT	153731	P128
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		#CONTROL	ROD INCORRECTLY WITHDRAWN AT COOPER*	158686	P248
	#FUEL ASSEMBLY LOADED INTO CELL WITHOUT	#CONTROL	ROD INSERTED AT ARNOLD*	156078	P 7
		#CONTROL	ROD INSERTION TIME EXCEEDS LIMIT AT BRUNSWICK 2*	160513	P190
BRUNSWICK 2*		#CONTROL	ROD MOVED WITH SHORTING LINKS INSTALLED AT	163471	P172
AT HATCH 2*	#ONE	#CONTROL	ROD NOT PULLED TO TARGET POSITION DURING STARTUP	156132	P357
		#CONTROL	ROD POSITION INDICATION FAILS AT BRUNSWICK 1*	156175	P135
		#CONTROL	ROD POSITION INDICATION FAILS AT BRUNSWICK 1*	160304	P141
		#CONTROL	ROD POSITION INDICATION FAILS AT BRUNSWICK 1*	161687	P155
		#CONTROL	ROD POSITION INDICATION FAILS AT DRESDEN 2*	159447	P216
		#CONTROL	ROD POSITION INDICATION INCORRECT AT BRUNSWICK 2*	161626	P198
		#CONTROL	ROD POSITION INDICATION LCST AT DRESDEN 2*	160056	P220
		#CONTROL	ROD POSITION INDICATION LCST AT DRESDEN 2*	160925	P220
	#TWO	#CONTROL	ROD POSITION INDICATIONS FAIL AT BRUNSWICK 2*	160146	P182
		#CONTROL	ROD POSITION INDICATIONS LOST AT BRUNSWICK 1*	163506	P157
BRUNSWICK 1*		#CONTROL	ROD POSITION INDICATOR FAILS AT BRUNSWICK 1*	158600	P144
		#CONTROL	ROD POSITION INDICATOR LIGHT FAILS TO LIGHT AT	154712	P125
OYSTER CREEK*		#CONTROL	ROD POSITION INDICATORS FAIL AT BRUNSWICK 1*	159197	P146
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	#TWO	#CONTROL	RODS TO INSERT AT BRWNS FERRY 3*	163405	P111
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ARNOLD*		#CONTROL	ROOM AIR INTAKE CHLORINE MONITOR INOPERABLE AT	159433	P333
	#DIESEL GENERATOR FAILS TO START FROM THE	#CONTROL	ROOM AIR TREATMENT SYSTEM INCAPERABLE AT DUANE	159558	P 60
	#FIRE BARRIER PENETRATION SEAL INTO	#CONTROL	ROOM AT QUAD CITIES 1*	156006	P541
		#CONTROL	ROOM BREACHED AT HATCH 2*	159304	P353
		#CONTROL	ROOM CHLORINE MONITOR FAN INCAPERABLE AT HATCH 1*	160810	P339
BRUNSWICK 1*		#CONTROL	ROOM FILTER FAN TRIPS AT HATCH 1*	157121	P312
	#RTGB	#CONTROL	SWITCH FOR HPCI TORUS SUCTION VALVE FAILS AT	155397	P132
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	#STANDBY LIQUID	#CONTROL	SYSTEM FAILS TO COME INTO SERVICE WHEN REQUIRED AT	155525	P271
	#INBOARD MSIV LEAKAGE	#CONTROL	SYSTEM INOPERABLE AT HATCH 2*	159670	P368
	#MSIV LEAKAGE	#CONTROL	SYSTEM INOPERABLE AT HATCH 2*	159373	P395
	#CRD HYDRAULIC	#CONTROL	SYSTEM RELAY FAILS TO OPEN AT HATCH 2*	156863	P378
	#TURBINE	#CONTROL	UNIT INSTRUMENT READINGS DRIFT AT FITZPATRICK*	159226	P285
BRUNSWICK 2*	#MAIN TURBINE	#CONTROL	VALVE CLOSURE SCRAM FAILS TO RESET AT DRESDEN 2*	154620	P207
	#HPCI MINIMUM FLOW	#CONTROL	VALVE CLOSURE SWITCH RESPONSE TIME IS SLOW AT	156930	P176
	#LEAK RATE OF STANDBY LIQUID	#CONTROL	VALVE CYCLES AT HATCH 2*	156856	P375
	#HPCI TURBINE	#CONTROL	VALVE EXCEEDS LIMIT AT MCNTICELLO*	156240	P429
	#RECIRC SYSTEM FLOW	#CONTROL	VALVE FAILS TO OPEN AT BRUNSWICK 2*	160082	P162
BROWN'S FERRY 1*		#CONTROL	VALVE FAILS TO OPERATE AT BRWNS FERRY 2*	154437	P 80
	#MAIN TURBINE	#CONTROL	VALVE FAST CLOSURE PRESSURE SWITCH MISWIRED AT	158295	P 65
	#TURBINE	#CONTROL	VALVE FAST CLOSURE RELAY FAILS AT BRUNSWICK 2*	161070	P183
	#FEEDWATER/HPCI FLOW	#CONTROL	VALVE FAST CLOSURE TEST NOT PERFORMED AT HATCH 1*	154665	P301
	#RCIC DRAIN POT LEVEL	#CONTROL	VALVE OPERATOR LEAKS AT NINE MILE POINT 1*	163380	P448
	#SET POINT DRIFT IN TURBINE	#CONTROL	VALVE PACKING RLPTURES AT ARNOLD*	154711	P 1
	#RESIDUAL HEAT REMOVAL SYSTEM	#CONTROL	VALVE PRESSURE SWITCH AT HATCH 2*	156118	P359
	#CAD TANK FLOW	#CONTROL	VALVE TRIPS IN MID-POSITION AT BRWNS FERRY 3*	154707	P103
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	#REACTOR RECIRCULATION PUMP SPEED	#CONTROL	VALVES NOT TESTED ON TIME AT LACRESSE*	161891	P416
	#RCIC AUTOMATIC FLOW	#CONTROLLER	FAILS AT DRESDEN 3*	160456	P236
	#HPCI FLOW	#CONTROLLER	FAILS AT PEACH BOTTOM 3*	155998	P491
	#RCIC FLOW	#CONTROLLER	FAILS AT PEACH BOTTOM 3*	161772	P499
	#HIGH	#CONTROLLER	LEFT IN MANUAL FOLLOWING TEST AT QUAD CITIES 1*	159413	P545
	#MAIN	#COOLANT	ACTIVITY AFTER SCRAM AT BRUNSWICK 2*	161758	P194
	#MAIN	#COOLANT	ALPHA ACTIVITY EXCEEDS LIMIT AT LA CROSSE*	160363	P414
	#REACTOR	#COOLANT	ALPHA ACTIVITY EXCEEDS LIMIT AT LA CROSSE*	160364	P415
	#REACTOR	#COOLANT	CHLORIDE CONCENTRATION EXCEEDS LIMIT AT HATCH 2*	156996	P362
	#REACTOR	#COOLANT	CONDUCTIVITY EXCEEDS LIMIT AT BRUNSWICK 1*	160403	P150
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	#REACTOR	#COOLANT	CONDUCTIVITY EXCEEDS LIMIT AT PEACH BOTTOM 3*	155494	P490
	#REACTOR	#COOLANT	CONDUCTIVITY EXCEEDS LIMIT AT QUAD CITIES 2*	158494	P555
	#REACTOR	#COOLANT	CONDUCTIVITY LIMITS EXCEEDED AT HATCH 2*	160509	P398
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#SET POINT DRIFT IN	COOPER*	163501 P577
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#SET POINT DRIFT IN	COOPER*	155292 P 50
#SET POINT DRIFT IN	COOPER*	157065 P553
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CREEK*
 #TWO THROUGH-WALL
 #HIGH CESIUM ACTIVITY FOUND IN
 #DIESEL GENERATOR LOWER
 #DIESEL GENERATOR LOWER
 FITZPATRICK*
 BROWNS FERRY 1*
 #WATER TEMPERATURE IN
 #STACK RELEASES NOT MONITORED AT OYSTER
 #CORE SPRAY SYSTEM INOPERABLE AT OYSTER
 #PRESSURE DRCP ACROSS HEPA FILTER EXCEEDS LIMIT AT OYSTER
 #CORE HEAT GENERATION RATE TESTS MISSED AT OYSTER
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 #FISH KILL OCCURS AFTER A SHUT DOWN AT OYSTER
 #ELECTROMATIC RELIEF VALVE FAILS TO OPEN AT OYSTER
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 #DRIFT IN RECIRCULATION FLOW SENSORS AT OYSTER
 #IMPROPERLY INSTALLED PIPE SNUBBERS DISCOVERED AT OYSTER
 #CONTAINMENT SPRAY HEAT EXCHANGER TUBES LEAK AT OYSTER
 #IMPROPERLY INSTALLED PIPE SUPPORTS DISCOVERED AT OYSTER
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 #CORE SPRAY BOOSTER PUMP VENT LINE LEAKS AT OYSTER
 #CORE SPRAY PUMP SUCTION VENT LINE LEAKS AT OYSTER
 #CONTAINMENT INTEGRITY VIOLATED AT OYSTER
 #TWC CONTROL ROD DRIVE PUMPS INOPERABLE AT OYSTER
 #CORE SPRAY SYSTEM PUMPS INOPERABLE AT OYSTER
 #SET POINT DRIFT IN CORE SPRAY PRESSURE SWITCHES AT OYSTER
 #SET POINT DRIFT IN CONTAINMENT SPRAY SWITCHES AT OYSTER
 #FISH KILL OCCURS AFTER A SHUT DOWN AT OYSTER
 #RIVER WATER TEMPERATURE EXCEEDS LIMIT AT OYSTER
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 #DISCHARGE TEMPERATURE EXCEEDS LIMIT 4 TIMES AT OYSTER
 #WATER TEMPERATURE IN CREEK EXCEEDS LIMIT AT OYSTER
 #DILUTION PUMP TRIPS AT OYSTER
 #DILUTION PUMPS INOPERABLE AT OYSTER
 #DIESEL DRIVEN FIRE PUMP FAILS AT OYSTER
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 SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCHES AT OYSTER
 SET POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCHES AT OYSTER
 SET POINT DRIFT IN REACTOR LOW WATER LEVEL SENSOR AT OYSTER
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#RIP VALVE	DISSENGAGE WHEN REQUIRED AT DRESDEN 2*	163494 P207
#STANDBY SERVICE WATER PUMP	DOCUMENTATION NOT COMPLETED AT DUANE ARNOLD*	158305 P 9
#CAD SYSTEM	DOES NOT FULLY CLOSE AT BRUNSWICK 1*	156920 P142
#RHR SERVICE WATER PUMP COOLING	DOES NOT MEET OPERATING SPECS AT HATCH 1*	157721 P302
#EMERGENCY FLOODING VENT VALVE	DOES NOT MEET SINGLE FAILURE CRITERION AT BRUNSWICK 1 AND 2	161702 P194
#HPCI TURBINE	DOES NOT MEET SINGLE FAILURE CRITERION AT HATCH 1*	157123 P314
#FIRE	DOES NOT OPEN AT LA CROSSE*	157165 P413
#FIRE	DOES NOT REACH RATED SPEED AT DUANE ARNOLD*	160275 P 10
#CONTAINMENT AIR LOCK	DOOR CLOSERS NOT REPAIRED IN TIME AT BRUNSWICK 1 AND 2*	162412 P160
#DRYWELL EQUIPMENT HATCH	DOOR FAILS TO CLOSE AT HATCH 1*	160486 P340
#DRYWELL PERSONNEL AIR LOCK	DOOR INTERLOCK FAILS AT LACROSSE*	161888 P415
#ELECTRONIC ANNUNCIATION NOT ON	DOOR LEAKS AT BROWNS FERRY 3*	163460 P101
#FOUR FIRE	DOOR LEAKS AT BRUNSWICK 1*	160865 P153
#TWO FIRE	DOOR TO CONTROL BUILDING AT HATCH 1*	156085 P308
#CONTAINMENT AIR LOCK	DOORS FAIL TEST AT HATCH 1*	160840 P341
#CONTAINMENT AIR LOCK	DOORS FAIL TO CLOSE AT FITZPATRICK*	154651 P262
#HIGH RADIATION AREA	DOORS FOUND OPEN AT BRUNSWICK 1*	159143 P146
#FIRE	DOORS INTERLOCK TEST NOT PERFORMED ON TIME AT HATCH 2*	156463 P372
#FISH KILL OCCURS AFTER A SHUT	DOORS NOT LOCKED AT HATCH 1*	159320 P336
#FISH KILL OCCURS AFTER A SHUT	DOORS NOT RETURNED TO SERVICE IN TIME AT BRUNSWICK 2*	162429 P205
DIESEL GENERATOR FAILS TO SYNCHRONIZE WHILE REDUNDANT DIESEL	DOORS OPENED SIMULTANEOUSLY AT PILGRIM 1*	160258 P524
#CRACK FOUND IN JET PUMP HOLD-	DOWN AT OYSTER CREEK*	156222 P348
#TORUS WATER LEVEL PUMPED	DOWN AT OYSTER CREEK*	154622 P470
#CONTAINMENT PRESSURE RECORDER FAILS	DOWN AT OYSTER CREEK*	155929 P455
#STEAM LINE RADIATION MONITOR FAILS	DOWN BEAM AT VERMONT YANKEE*	160062 P578
#CONTAINMENT ATMOSPHERIC MONITORS FAIL	DOWN BELOW LIMIT AT DUANE ARNOLD*	163370 P 25
#CONTAINMENT ATMOSPHERIC MONITOR FAILS	DOWNSCALE AT ARNOLD*	154507 P 1
#ONE POINT OF CHLORIDE INTRUSION MONITOR INDICATES	DOWNSCALE AT BROWNS FERRY 2*	155488 P 83
#CONTAINMENT GASEOUS MONITOR SHIFTS	DOWNSCALE AT BRUNSWICK 1*	154522 P124
#CONTAINMENT ATMOSPHERE RECORDER FAILS	DOWNSCALE AT BRUNSWICK 1*	154519 P125
#HPCI HIGH STEAM FLOW INSTRUMENT FAILS	DOWNSCALE AT BRUNSWICK 1*	153732 P127
#REACTOR BUILDING VENT MONITOR FAILED	DOWNSCALE AT BRUNSWICK 1*	156227 P133
#DRYWELL OXYGEN CONCENTRATION INDICATOR FAILS	DOWNSCALE AT BRUNSWICK 1*	160387 P136
#TORUS WATER LEVEL INSTRUMENT READS	DOWNSCALE AT COOPER*	154051 P241
#SET POINT DRIFT IN HPCI STEAM LINE	DOWNSCALE AT COOPER*	159209 P252
#SCRAM DISCHARGE VOLUME FAILS TO	DOWNSCALE AT DRESDEN 2*	159531 P215
#DRYWELL FLOOR	DOWNSCALE AT HATCH 2*	158297 P367
#MAIN STEAM LINE	DP DROPPED BELOW LIMITS AT DRESDEN 2*	159247 P214
#DRYWELL EQUIPMENT	DP SWITCH AT HATCH 2*	161872 P400
#STEAM LEAK IN CONDENSER	DRAIN AND ALARMS CLEAR AT DRESDEN 3*	158229 P235
#UPDATE ON RWCU	DRAIN FLOW INTEGRATOR FAILS AT BRUNSWICK 1*	160211 P148
#LPCI CHECK VALVE UPSTREAM	DRAIN FLOW SENSORS FAIL AT BRUNSWICK 1*	160386 P135
#REACTOR VESSEL	DRAIN ISOLATION VALVE FAILS TO CLOSE AT PILGRIM 1*	159280 P520
#RCIC	DRAIN LEAKAGE INTEGRATOR REQUIRES CALIBRATION AT BRUNSWICK	163400 P203
#RHR PUMP	DRAIN LINE AT MONTICELLO*	160918 P437
#SCRAM DISCHARGE VOLUME	DRAIN LINE LEAK AT PILGRIM 1*	163482 P534
#RCIC STEAM LINE	DRAIN LINE LEAKS AT DRESDEN 2*	158554 P212
#RCIC	DRAIN LINE LEAKS AT PILGRIM 1*	161606 P533
#DRYWELL	DRAIN LINE LEAKS STEAM AT MONTICELLO*	160210 P437
#DRYWELL	DRAIN LINE PIPE CRACKS AT PEACH BOTTOM 3*	156971 P492
#LEAK RATE OF DRYWELL EQUIPMENT	DRAIN LINE PIPE SUPPORTS REQUIRE MODIFICATION AT BRUNSWICK	159195 P143
#LAUNDRY	DRAIN PIPE LEAKS AT MONTICELLO*	163492 P427
#LEAK FOUND IN RECOMBINER	DRAIN POT LEVEL CONTROL VALVE PACKING RUPTURES AT ARNOLD*	154711 P 1
#MAIN STEAM LINE	DRAIN SUMP FLOW INSTRUMENT INOPERABLE AT COOPER*	159505 P252
#DRYWELL EQUIPMENT	DRAIN SUMP PUMP FLOW SENSORS OUT OF TOLERANCE AT	159575 P288
#RHR SERVICE WATER VAULT BED PLATE	DRAIN SUMP VALVE EXCEEDS LIMIT AT MONTICELLO*	156244 P432
#SCRAM DISCHARGE VOLUME	DRAIN TANK DISCHARGED WITHOUT A PERMIT AT FITZPATRICK*	157428 P281
#SCRAM DISCHARGE VOLUME VENT AND	DRAIN TRAP CONDENSATE LINE AT MONTICELLO*	163488 P427
#SOME TORUS WATER	DRAIN VALVE FAILS IN MID POSITION AT HATCH 1*	154667 P301
#DIESEL GENERATOR DAY TANK	DRAIN VALVE FAILS TO CLOSE AT COOPER*	161594 P255
#DISCHARGE LIQUID EFFLUENT RADIATION LEVEL EXCEEDS LIMIT AT	DRAIN VALVE FAILS TO CLOSE AT QUAD CITIES 2*	153951 P551
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#RADIOACTIVITY IN WASTE SAMPLE TANK EXCEEDS LIMIT	AT	DRESDEN 2*	153495 P206
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#DIESEL GENERATOR COOLING HEAT EXCHANGER LEAKS	AT	DRESDEN 2*	155312 P210
#CENTRCL ROD UNCOUPLED IN FULL WITHDRAWN POSITION	AT	DRESDEN 2*	155372 P210
#SET POINT DRIFT IN ISOLATION CONDENSER FLOW SWITCH	AT	DRESDEN 2*	160002 P211
#RPS HALF SCRAM CAUSED BY STEAM LINE RADIATION MONITOR	AT	DRESDEN 2*	157163 P211
#TORUS TO DRYWELL VACUUM BREAKER FAILS	AT	DRESDEN 2*	158556 P211
#LPCI CHECK VALVE UPSTREAM DRAIN LINE LEAKS	AT	DRESDEN 2*	158554 P212
#UPDATE ON LPCI PIPE LEAKS	AT	DRESDEN 2*	163598 P212
#HPCI VALVE FAILS TO OPERATE	AT	DRESDEN 2*	157698 P212
#HPCI VALVE FAILS TO OPERATE	AT	DRESDEN 2*	157686 P213
#MAIN STEAM LINE RADIATION MONITOR TRIPPED	AT	DRESDEN 2*	160264 P213
#DRYWELL TO TORUS DP DROPPED BELOW LIMITS	AT	DRESDEN 2*	158247 P214
#TORUS VENT VALVES FAIL TO OPEN	AT	DRESDEN 2*	158704 P215
#DRYWELL OXYGEN CONCENTRATION INDICATOR FAILS DOWNSCALE	AT	DRESDEN 2*	159531 P215
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#DIESEL FIRE PUMP DAY TANK SAMPLES NOT TAKEN	AT	DRESDEN 2*	160361 P218
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#CONTROL ROD POSITION INDICATION LOST	AT	DRESDEN 2*	160056 P220
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#HPCI STEAM SUPPLY VALVE FAILS TO OPEN	AT	DRESDEN 2*	160566 P220
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TO DRYWELL VACUUM BREAKER FAILS TO GIVE OPEN INDICATION	AT	DRESDEN 2*	160266 P214
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#SET POINT DRIFT IN STEAM LINE OVER TEMPERATURE SWITCH	AT	DRESDEN 3*	155445 P229
#FEEDWATER CHECK VALVE LEAK RATE EXCEEDS LIMIT	AT	DRESDEN 3*	156159 P229
#REACTOR WATER CLEANUP PIPE AND SMOOTHER FAIL	AT	DRESDEN 3*	156207 P230
#HPCI SUCTION LINE ISOLATION VALVE LEAKS	AT	DRESDEN 3*	157031 P230
#DIESEL GENERATOR FAILS TO START	AT	DRESDEN 3*	157030 P231
#PRESSURE SWITCH IN MAIN STEAM SYSTEM TRIPS	AT	DRESDEN 3*	157058 P231
#CORE SPRAY RELIEF VALVE LEAKS	AT	DRESDEN 3*	156937 P231
#AUTOMATIC DEPRESSURIZATION VALVES FAIL TO OPEN	AT	DRESDEN 3*	158231 P232
#REACTOR WATER LEVEL SWITCH TRIPS BELOW SETPOINT	AT	DRESDEN 3*	158749 P232
#REACTOR WATER LEVEL SWITCH TRIPS BELOW SETPOINT	AT	DRESDEN 3*	158750 P233
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#CONTAINMENT VACUUM BREAKER INOPERABLE	AT	DRESDEN 3*	160230 P234
#MSIV CLOSURE TIMES EXCEED LIMITS	AT	DRESDEN 3*	160176 P235
#SCRAM DISCHARGE VOLUME FAILS TO DRAIN AND ALARMS CLEAR	AT	DRESDEN 3*	158229 P235
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#CCSW PUMP CASING LEAKS	AT	DRESDEN 3*	159547 P236
#REACTOR RECIRCULATION PUMP SPEED CONTROLLER FAILS	AT	DRESDEN 3*	160456 P236
#STANDBY GAS TREATMENT SYSTEM TRIPS	AT	DRESDEN 3*	161062 P236
#CONTROL ROD BLOCK MONITOR FAILS	AT	DRESDEN 3*	160922 P237
#SET POINT DRIFT IN RPS LEVEL SWITCH	AT	DRESDEN 3*	161460 P237
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#RCIC ISOLATION CONDENSER VALVE INOPERABLE	AT	DRESDEN 3*	161457 P238
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#SET POINT	DRIFT	CAUSES INCORRECT ROD BLOCK TRIP AT DRESDEN 2*		157496 P232
#SET POINT	DRIFT	FOUND IN MSIV CLOSURE TIMING AT QUAD-CITIES 2*		159569 P585
#SET POINT	DRIFT	IN APRM AT FITZPATRICK*		154672 P264
#SET POINT	DRIFT	IN APRM CHANNEL AT BROWNS FERRY 3*		153457 P102
#SET POINT	DRIFT	IN APRM CHANNEL AT FITZPATRICK*		154503 P264
#SET POINT	DRIFT	IN AUTOMATIC BLOWDOWN TIMER RELAY AT QUAD CITIES 2*		155491 P552
#SET POINT	DRIFT	IN CONDENSATE STORAGE TANK LEVEL SWITCH AT		156197 P274
#SET POINT	DRIFT	IN CONDENSATE STORAGE TANK LEVEL SWITCH AT BRUNSWICK		155565 P127
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#SET POINT	DRIFT	IN CONDENSER PRESSURE SWITCH AT DRESDEN 2*		161871 P221
#SET POINT	DRIFT	IN CONTAINMENT ATMOSPHERE MONITOR AT BRUNSWICK 1*		163502 P159
#SET POINT	DRIFT	IN CONTAINMENT GAS ANALYZER AT BRUNSWICK 2*		160499 P186
#SET POINT	DRIFT	IN CONTAINMENT HIGH PRESSURE SWITCH AT HILLSTONE 1*		160459 P423
#SET POINT	DRIFT	IN CONTAINMENT OXYGEN ANALYZER AT BRUNSWICK 1*		160816 P157
#SET POINT	DRIFT	IN CONTAINMENT OXYGEN ANALYZER AT BRUNSWICK 2*		160819 P193
#SET POINT	DRIFT	IN CONTAINMENT OXYGEN ANALYZER AT BRUNSWICK 2*		161981 P201
#SET POINT	DRIFT	IN CONTAINMENT PRESSURE SWITCH AT QUAD-CITIES 2*		161458 P561
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#SET POINT	DRIFT	IN CONTAINMENT SPRAY PRESSURE SWITCHES AT OYSTER		161763 P467
#SET POINT	DRIFT	IN CONTAINMENT SPRAY SWITCHES AT CYSTER CREEK*		162041 P470
#SET POINT	DRIFT	IN CONTAINMENT VENT AND FUEL POOL MONITORS AT		156336 P229
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#SET POINT	DRIFT	IN CORE SPRAY PERMISSIVE SWITCH AT FITZPATRICK*		154664 P265
#SET POINT	DRIFT	IN CORE SPRAY PIPE BREAK DETECTION SWITCHES AT		159313 P286
#SET POINT	DRIFT	IN CORE SPRAY PRESSURE SWITCH AT DUANE ARNOLD*		160353 P 17
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#SET POINT	DRIFT	IN CORE SPRAY PRESSURE SWITCHES AT OYSTER CREEK*		162044 P469
#SET POINT	DRIFT	IN CORE SPRAY PUMP DISCHARGE PRESSURE SWITCH AT		154017 P488
#SET POINT	DRIFT	IN CORE SPRAY SWITCH AT BROWNS FERRY 1*		163338 P 78
#SET POINT	DRIFT	IN DEMINERALIZER TEMPERATURE SWITCH AT PEACH BOTTOM 2		162047 P467
#SET POINT	DRIFT	IN DRYWELL AND TORUS TEMPERATURE RECORDER AT HATCH 1*		160128 P335
#SET POINT	DRIFT	IN DRYWELL HIGH PRESSURE SWITCH AT BROWNS FERRY 3*		161598 P118
#SET POINT	DRIFT	IN DRYWELL HIGH PRESSURE SWITCH AT DUANE ARNOLD*		161990 P 23
#SET POINT	DRIFT	IN DRYWELL HIGH PRESSURE SWITCHES AT OYSTER CREEK*		160817 P465
#SET POINT	DRIFT	IN DRYWELL PRESSURE SWITCH AT PEACH BOTTOM 3*		157744 P494
#SET POINT	DRIFT	IN ELECTROHYDRAULIC CONTROL FLUID PRESSURE SWITCH AT		156962 P542
#SET POINT	DRIFT	IN FISSION PRODUCT MONITOR AT HATCH 1*		162743 P343
#SET POINT	DRIFT	IN HIGH DRYWELL PRESSURE SWITCH AT FITZPATRICK*		160435 P291
#SET POINT	DRIFT	IN HIGH DRYWELL PRESSURE SWITCHES AT HATCH 2*		154940 P351
#SET POINT	DRIFT	IN HIGH DRYWELL PRESSURE SWITCHES AT HATCH 2*		158774 P387
#SET POINT	DRIFT	IN HIGH DRYWELL PRESSURE SWITCHES AT OYSTER CREEK*		160326 P462
#SET POINT	DRIFT	IN HIGH DRYWELL PRESSURE SWITCHES AT OYSTER CREEK*		161644 P466
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#SET POINT	DRIFT	IN HPCI DIFFERENTIAL PRESSURE SWITCH AT HATCH 1*		160317 P142
#SET POINT	DRIFT	IN HPCI DIFFERENTIAL PRESSURE SWITCH AT HATCH 1*		154492 P181
#SET POINT	DRIFT	IN HPCI EXHAUST PRESSURE SWITCHES AT HATCH 2*		154492 P298
#SET POINT	DRIFT	IN HPCI EXHAUST PRESSURE SWITCHES AT HATCH 2*		156130 P356
#SET POINT	DRIFT	IN HPCI STEAM FLOW SENSOR AT PEACH BOTTOM 2*		160485 P481
#SET POINT	DRIFT	IN HPCI STEAM LINE DP SWITCH AT HATCH 2*		161872 P400
#SET POINT	DRIFT	IN HPCI STEAM LINE FLOW SWITCH AT HATCH 2*		158771 P386
#SET POINT	DRIFT	IN HPCI STEAM LINE SPACE TEMPERATURE SWITCH AT		161796 P 77
#SET POINT	DRIFT	IN HPCI STEAMLINE HIGH D/P SWITCH AT BRUNSWICK 2*		156107 P173
#SET POINT	DRIFT	IN HPCI STEAMLINE LOW PRESSURE SWITCH AT HATCH 1*		161614 P342
#SET POINT	DRIFT	IN HPCI TURBINE AREA HIGH TEMPERATURE SWITCH AT QUAD		160451 P547
#SET POINT	DRIFT	IN HPCI TURBINE PRESSURE SWITCH AT HATCH 2*		160519 P399
#SET POINT	DRIFT	IN ISOLATION CONDENSER CONDENSATE FLOW SWITCH AT		159243 P216
#SET POINT	DRIFT	IN ISOLATION CONDENSER FLOW SWITCH AT DRESDEN 2*		160002 P211
#SET POINT	DRIFT	IN LOW REACTOR LEVEL SWITCHES AT COOPER*		161422 P256
#SET POINT	DRIFT	IN LOW WATER LEVEL SCRAM SWITCH AT HILLSTONE 1*		160923 P424
#SET POINT	DRIFT	IN LPCI DRYWELL HIGH PRESSURE SWITCH AT DRESDEN 2*		163379 P222
#SET POINT	DRIFT	IN LPCI PRESSURE PERMISSIVE AT PILGRIM 1*		157044 P507
#SET POINT	DRIFT	IN MAIN STEAM LINE AREA TEMPERATURE SWITCHES AT		156044 P430
#SET POINT	DRIFT	IN MAIN STEAM LINE HIGH FLOW SWITCH AT HILLSTONE 1*		155198 P420
#SET POINT	DRIFT	IN MAIN STEAM LINE HIGH RADIATION MONITOR AT		154882 P130
#SET POINT	DRIFT	IN MAIN STEAM LINE LOW PRESSURE SWITCH AT MONTICELLO*		155191 P428
#SET POINT	DRIFT	IN MAIN STEAM LINE LOW PRESSURE SWITCH AT PEACH		162487 P486
#SET POINT	DRIFT	IN MAIN STEAM LINE LOW PRESSURE SWITCH AT QUAD		159342 P557
#SET POINT	DRIFT	IN MAIN STEAM LINE PRESSURE SWITCH AT DRESDEN 2*		163515 P223
#SET POINT	DRIFT	IN MAIN STEAM LINE RADIATION MONITOR AT BRUNSWICK 2*		154559 P162
#SET POINT	DRIFT	IN MAIN STEAM LINE TEMPERATURE SWITCHES AT HATCH 2*		167129 P361
#SET POINT	DRIFT	IN MAIN STEAM RELIEF VALVES AT VERMONT YANKEE*		160930 P578
#SET POINT	DRIFT	IN MAINSTEAM LINE HIGH FLOW SWITCH AT BROWNS FERRY 2*		153489 P 79
#SET POINT	DRIFT	IN MSIV LOW PRESSURE SENSORS AT OYSTER CREEK*		159675 P464
#SET POINT	DRIFT	IN POWER RANGE MONITOR AT BROWNS FERRY 3*		161633 P114
#SET POINT	DRIFT	IN PRESSURE RELIEF VALVE AT VERMONT YANKEE*		160535 P579
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	#SET POINT	DRIFT IN RCIC EXHAUST PRESSURE SWITCH AT BRUNSWICK 2*	155317	P173
	#SET POINT	DRIFT IN RCIC FLOW INSTRUMENT AT HATCH 1*	154493	P298
	#SET POINT	DRIFT IN RCIC FLOW SWITCH AT HATCH 1*	156096	P309
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	#SET POINT	DRIFT IN RCIC STEAM LINE LOW PRESSURE SWITCH AT FITZPATRICK	163404	P296
	#SET POINT	DRIFT IN RCIC TURBINE EXHAUST PRESSURE SWITCHES AT HATCH 1*	155326	P307
PEACH BOTTOM 2*	#SET POINT	DRIFT IN RCIC TURBINE STEAM FLOW SWITCH AT PEACH BOTTOM 3*	155347	P491
CREEK*	#SET POINT	DRIFT IN RCIC TURBINE STEAM LINE HIGH FLOW SWITCHES AT	161779	P484
	#SET POINT	DRIFT IN REACTOR HIGH PRESSURE SCRAM SENSORS AT OYSTER	159326	P460
	#SET POINT	DRIFT IN REACTOR HIGH PRESSURE SWITCHES AT BROWNS FERRY 2*	159336	P 90
	#SET POINT	DRIFT IN REACTOR HIGH PRESSURE SWITCHES AT HATCH 2*	160370	P396
	#SET POINT	DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK POINT*	157074	P 34
	#SET POINT	DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK POINT*	157076	P 35
CREEK 1*	#SET POINT	DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK POINT*	160170	P 41
	#SET POINT	DRIFT IN REACTOR LO-LO-LO WATER LEVEL SWITCHES AT OYSTER	161873	P468
	#SET POINT	DRIFT IN REACTOR LOW PRESSURE SWITCH AT BROWNS FERRY 3*	157716	P109
	#SET POINT	DRIFT IN REACTOR LOW PRESSURE SWITCH AT BRUNSWICK 2*	159604	P178
	#SET POINT	DRIFT IN REACTOR LOW PRESSURE SWITCH AT BRUNSWICK 2*	161945	P193
	#SET POINT	DRIFT IN REACTOR LOW PRESSURE SWITCH AT VERMONT YANKEE*	154714	P566
	#SET POINT	DRIFT IN REACTOR LOW PRESSURE SWITCHES AT BRUNSWICK 2*	158755	P171
	#SET POINT	DRIFT IN REACTOR LOW WATER LEVEL SENSOR AT OYSTER CREEK*	160148	P465
	#SET POINT	DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT BRUNSWICK 1*	160301	P139
	#SET POINT	DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT BRUNSWICK 1*	156932	P143
	#SET POINT	DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT BRUNSWICK 2*	156938	P178
	#SET POINT	DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT BRUNSWICK 2*	161652	P197
	#SET POINT	DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT QUAD CITIES 1*	156912	P543
	#SET POINT	DRIFT IN REACTOR LOW WATER LEVEL SWITCHES AT BRUNSWICK 1*	163468	P157
	#SET POINT	DRIFT IN REACTOR LOW WATER LEVEL SWITCHES AT BRUNSWICK 2*	161069	P182
	#SET POINT	DRIFT IN REACTOR PRESSURE SWITCH AT BROWNS FERRY 2*	156948	P 87
	#SET POINT	DRIFT IN REACTOR PRESSURE SWITCH AT HATCH 2*	160430	P397
	#SET POINT	DRIFT IN REACTOR PRESSURE SWITCHES AT BROWNS FERRY 3*	153456	P102
BOTTOM 3*	#SET POINT	DRIFT IN REACTOR VESSEL SHROUD LEVEL SWITCH AT BRUNSWICK 1*	154554	P124
	#SET POINT	DRIFT IN REACTOR WATER CLEANUP TEMPERATURE SWITCH AT PEACH	160431	P498
	#SET POINT	DRIFT IN REACTOR WATER LEVEL SENSORS AT OYSTER CREEK*	159672	P463
	#SET POINT	DRIFT IN REACTOR WATER LEVEL SWITCH AT BROWNS FERRY 2*	155205	P 81
FITZPATRICK*	#SET POINT	DRIFT IN REACTOR WATER LEVEL SWITCH AT DRESDEN 2*	155197	P208
	#SET POINT	DRIFT IN REACTOR WATER LEVEL SWITCH SET POINT AT	161717	P294
	#SET POINT	DRIFT IN REACTOR WATER LEVEL SWITCHES AT FITZPATRICK*	163361	P295
	#SET POINT	DRIFT IN REACTOR WATER LEVEL TRANSMITTER AT BIG ROCK POINT*	158777	P 37
	#SET POINT	DRIFT IN RECIRCULATION FLOW SENSORS AT OYSTER CREEK*	155560	P452
	#SET POINT	DRIFT IN RECIRCULATION VALVE SWITCH AT BROWNS FERRY 3*	161934	P122
*	#SET POINT	DRIFT IN REFUEL FLOOR RADIATION MONITOR AT DRESDEN 2*	160524	P221
	#SET POINT	DRIFT IN RHR LOW PRESSURE PERMISSIVE SWITCH AT DUANE ARNOLD	155510	P 4
	#SET POINT	DRIFT IN RHR PUMP START RELAY AT HATCH 2*	156133	P358
	#SET POINT	DRIFT IN RPS LEVEL SWITCH AT DRESDEN 3*	161460	P237
FITZPATRICK*	#SET POINT	DRIFT IN SHUTDOWN COOLING PERMISSIVE SWITCHES AT	158634	P281
*	#SET POINT	DRIFT IN SHUTDOWN COOLING PRESSURE SWITCH AT PEACH BOTTOM 3	159410	P493
HATCH 2*	#SET POINT	DRIFT IN SHUTDOWN COOLING SYSTEM PRESSURE SWITCHES AT	158662	P379
	#SET POINT	DRIFT IN SOURCE RANGE MONITOR AT DRESDEN 3*	161456	P239
OYSTER CREEK*	#SET POINT	DRIFT IN STANDBY GAS TREATMENT RADIATION MONITORS AT	155557	P451
HATCH 2*	#SET POINT	DRIFT IN STANDBY LIQUID CONTROL DISCHARGE RELIEF VALVE AT	157072	P367
	#SET POINT	DRIFT IN STANDBY LIQUID CONTROL RELIEF VALVE AT HATCH 1*	154889	P303
	#SET POINT	DRIFT IN STANDBY LIQUID CONTROL RELIEF VALVES AT DRESDEN 3*	156010	P228
	#SET POINT	DRIFT IN STEAM LINE OVER TEMPERATURE SWITCH AT DRESDEN 3*	155445	P229
	#SET POINT	DRIFT IN STEAM LINE PRESSURE SWITCH AT PEACH BOTTOM 2*	161961	P485
	#SET POINT	DRIFT IN THREE RELIEF VALVES AT ARNOLD*	156225	P 6
CITIES 2*	#SET POINT	DRIFT IN TORUS VACUUM BREAKER PRESSURE SWITCH AT QUAD	159344	P557
POINT 1*	#SET POINT	DRIFT IN TURBINE ANTICIPATORY TRIP SWITCH AT NINE MILE	159235	P442
	#SET POINT	DRIFT IN TURBINE CONTROL VALVE PRESSURE SWITCH AT HATCH 2*	156118	P359
AT BROWNS FERRY 1*	#SET POINT	DRIFT IN TURBINE FIRST STAGE PRESSURE PERMISSIVE SWITCHES	159418	P 68
1*	#SET POINT	DRIFT IN TURBINE REACTOR SCRAM SWITCHES AT NINE MILE POINT	160313	P444
BROWNS FERRY 2*	#SET POINT	DRIFT OCCURS ON TURBINE PRESSURE PERMISSIVE SWITCHES AT	157743	P 88
1*	#SET POINT	DRIFT OF HIGH DRYWELL PRESSURE SWITCH FOUND AT QUAD CITIES	156964	P543
FITZPATRICK*	#SET POINT	DRIFTING LPRM CAUSES INDICATED HIGH THERMAL LIMIT AT	155418	P273
	#CONTROL ROD BLOCK MONITOR SETPOINT	DRIFTS AT BRUNSWICK 1*	160467	P151
	#DRYWELL OXYGEN MONITOR	DRIFTS AT DRESDEN 2*	155295	P209
	#REACTOR HIGH PRESSURE SWITCH SETPOINT	DRIFTS AT HATCH 2*	159588	P328
	#REFUEL FLOOR EXHAUST RAD MONITOR READING	DRIFTS AT PEACH BOTTOM 3*	160373	P495
	#SET POINT	DRIFTS IN CORE SPRAY PUMP PRESSURE SWITCH AT HATCH 2*	160455	P397
AT BIG ROCK POINT*	#SET POINT	DRIFTS IN SENSOR CHANNEL OF REACTOR DEPRESSURIZING SYSTEM	158266	P 36
AT BIG ROCK POINT*	#SET POINT	DRIFTS IN SENSOR CHANNEL OF REACTOR DEPRESSURIZING SYSTEM	158267	P 36
AT BIG ROCK POINT*	#SET POINT	DRIFTS IN SENSORS CHANNEL OF REACTOR DEPRESSURIZING SYSTEM	158268	P 37
	#CONTROL ROD	DRIFTS CUT AT BROWNS FERRY 2*	158725	P 88
	#CONTROL ROD	DRIVE ACCUMULATOR LEVEL SWITCH FAILS AT BROWNS FERRY 1*	155296	P 49
	#SET POINT DRIFT IN CONTROL ROD	DRIVE ACCUMULATOR PRESSURE INDICATORS AT HATCH 2*	158644	P378
HATCH 2*	#CONTROL ROD	DRIVE ACCUMULATOR PRESSURE SWITCHES SET INCORRECTLY AT	157131	P361
HATCH 1*	#CONTROL ROD	DRIVE ACCUMULATORS FAIL TO MAINTAIN NITROGEN PRESSURE AT	160269	P321
	#CONTROL ROD	DRIVE AT BROWNS FERRY 1*	163339	P 78
	#CONTROL ROD	DRIVE FAILS TO WITHDRAW AT BRUNSWICK 2*	160047	P185
	#UPDATE REPORT ON CONTROL ROD	DRIVE HOUSING LEAK AT BIG ROCK POINT*	153935	P 29
AT MONTICELLO*	#CONTROL ROD	DRIVE HYDRAULIC PIPE SUPPORTS FAIL TO MEET STRESS LIMITS	156339	P433
	#SOURCE RANGE MONITORS FAIL TO	DRIVE INTO CORE AT BRUNSWICK 2*	159603	P179
	#CONTROL ROD	DRIVE PUMP VIBRATES EXCESSIVELY AT BIG ROCK POINT*	155473	P 34
	#TWO CONTROL ROD	DRIVE PUMPS INOPERABLE AT OYSTER CREEK*	162046	P468
DRESDEN 2*	#CONTROL ROD	DRIVE SCRAM DISCHARGE PIPE SUPPORTS ARE NOT ADEQUATE AT	158692	P214
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MILE POINT*	#CONTROL ROD	DRIVE SCRAM PILOT SOLENOIDS NOT TESTED ON TIME AT NINE	163384 P447
	#LEAK IN CONTROL ROD	DRIVE SYSTEM RETURN LINE AT BIG ROCK POINT*	161911 P 45
	#UPDATE REPORT ON CONTROL ROD	DRIVE TEMPERATURE AT BIG ROCK POINT*	153975 P 31
BOTTOM 2*	#DIESEL	DRIVEN FIRE PUMP FAILS AT OYSTER CREEK*	162433 P473
	#DIESEL	DRIVEN FIRE PUMP FLOWRATE FALLS BELOW LIMIT AT PEACH	155382 P476
	#DIESEL	DRIVEN FIRE PUMP OUT OF SERVICE TOO LONG AT DRESDEN 2*	160362 P217
	#PRESSURE	DROP ACROSS HEPA FILTER EXCEEDS LIMIT AT OYSTER CREEK 1*	160520 P466
	#DRYWELL TO TORUS OP	DROPPED BELOW LIMITS AT DRESDEN 2*	158247 P214
#DIESEL GENERATOR LUBE OIL LEVEL		DROPS BELOW LIMIT AT ARNOLD*	153730 P 2
#TORUS WATER LEVEL		DROPS BELOW LIMIT AT FITZPATRICK*	154666 P265
#FIRE WATER STORAGE TANK LEVEL		DROPS BELOW LIMIT AT HATCH 1*	157090 P313
#CAD STORAGE TANK LEVEL		DROPS BELOW LIMIT DURING INERTING AT BRUNSWICK 2*	156110 P175
#RRHR SERVICE WATER PUMP FLOW		DROPS SUDDENLY AT HATCH 2*	155433 P357
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	#DRYWELL AND TORUS	HYDROGEN OXYGEN RECORDER INOPERABLE AT	159290 P333
	#DRYWELL AND TORUS	TEMPERATURE RECORDERS AT HATCH 1*	160128 P335
	#DRYWELL AND TORUS	TEMPERATURE RECORDERS FAIL AT HATCH 1*	159271 P333
	#DRYWELL	ATMOSPHERE MONITORS INOPERABLE AT FITZPATRICK*	155306 P272
	#DRYWELL	ATMOSPHERE MONITORS OUT OF SERVICE AT FITZPATRICK*	154502 P264
HATCH 2*	#DRYWELL	AVERAGE TEMPERATURE EXCEEDED THE 145 F LIMIT AT	159626 P384
	#DRYWELL	CONTINUOUS AIR MONITOR FLOW LOW AT BROWNS FERRY 1*	153950 P 47
	#DRYWELL	CONTROL AIR VALVE FAILS TO CLOSE AT BROWNS FERRY 2*	160154 P 94
	#DRYWELL	DRAIN SUMP FLOW INSTRUMENT INOPERABLE AT COOPER*	160508 P280
	#DRYWELL	DRAIN SUMP FLOW FLOW SENSORS OUT OF TOLERANCE AT	159575 P288
	#DRYWELL	EQUIPMENT DRAIN FLOW SENSORS FAIL AT BRUNSWICK 1*	160386 P135
	#DRYWELL	EQUIPMENT DRAIN LEAKAGE INTEGRATOR REQUIRES	163400 P203
	#DRYWELL	EQUIPMENT DRAIN SUMP VALVE EXCEEDS LIMIT AT	156244 P432
	#DRYWELL	EQUIPMENT DRAIN VALVE FAILS TO CLOSE AT COOPER*	161594 P255
	#DRYWELL	EQUIPMENT HATCH DOOR LEAKS AT BROWNS FERRY 3*	153460 P101
	#DRYWELL	EQUIPMENT HATCH LEAK AT BROWNS FERRY 3*	154590 P100
FERRY 1*	#DRYWELL	EXHAUST SOLENOID COIL NOT QUALIFIED AT BROWNS	161892 P 76
	#DRYWELL	FLOOR DRAIN FLOW INTEGRATOR FAILS AT BRUNSWICK 1*	160211 P148
	#DRYWELL	FLOOR SUMP PUMP FLOW INTEGRATOR INOPERABLE AT	160528 P530
	#DRYWELL	GASEOUS RADIATION RECORDERS FAIL AT DUANE ARNOLD*	159203 P 13
	#DRYWELL	HIGH PRESSURE SWITCH AT BROWNS FERRY 3*	161598 P118
	#DRYWELL	HIGH PRESSURE SWITCH AT DRESDEN 2*	163379 P222
	#DRYWELL	HIGH PRESSURE SWITCH AT DUANE ARNOLD*	161990 P 23
	#DRYWELL	HIGH PRESSURE SWITCHES AT OYSTER CREEK*	160817 P465
	#DRYWELL	HYDROGEN MONITORS FAIL TO CALIBRATE AT BROWNS	160213 P 93
	#DRYWELL	HYDROGEN OXYGEN ANALYZER GIVES FALSE READINGS AT	159310 P393
	#DRYWELL	HYDROGEN RECORDER READS ABNORMALLY AT HATCH	159510 P325
	#DRYWELL	HYDROGEN SENSOR FAILS TO CALIBRATE AT BROWNS FERRY	161935 P121
	#DRYWELL	HYDROGEN-OXYGEN ANALYZER FAILS AT HATCH 2*	156857 P375
	#DRYWELL	HYDROGEN-OXYGEN ANALYZER PUMP DIAPHRAGM FAILS AT	156858 P374
	#DRYWELL	HYDROGEN-OXYGEN ANALYZER READING IN ERROR AT HATCH	155454 P359
	#DRYWELL	OXYGEN ANALYZER AUTOMATIC ADVANCE FAILS AT DRESDEN	155193 P225
	#DRYWELL	OXYGEN CONCENTRATION INDICATOR FAILS DOWNSCALE AT	159531 P215
	#DRYWELL	OXYGEN MONITOR DRIFTS AT DRESDEN 2*	155295 P209
	#DRYWELL	OXYGEN-HYDROGEN ANALYSIS INDICATES LOW AT HATCH 2*	156116 P355
	#DRYWELL	OXYGEN-HYDROGEN ANALYZER FAILS AT HATCH 2*	156144 P355
	#DRYWELL	PARTICULATE RADIATION RECORDERS FAIL AT DUANE	159411 P 17
	#DRYWELL	PERSONNEL AIR LOCK DOOR LEAKS AT BRUNSWICK 1*	160865 P153
	#DRYWELL	PNEUMATIC RETURN ISOLATION VALVE LEAK RATE EXCEEDS	161880 P406
	#DRYWELL	PRESSURE INDICATOR READS HIGH AT BRUNSWICK 1*	154730 P123
	#DRYWELL	PRESSURE RECORDER INOPERABLE AT DUANE ARNOLD*	161999 P 24
	#DRYWELL	PRESSURE RECORDER INOPERATIVE AT HATCH 1*	159589 P330
	#DRYWELL	PRESSURE SENSOR ISOLATED AT MILLSTONE 1*	156157 P421
	#DRYWELL	PRESSURE SWITCH AT FITZPATRICK*	160435 P291
	#DRYWELL	PRESSURE SWITCH AT PEACH BOTTOM 3*	157744 P494
	#DRYWELL	PRESSURE SWITCH FOUND AT QUAD CITIES 1*	156964 P543
	#DRYWELL	PRESSURE SWITCH FOUND CLOSED AT BRUNSWICK 2*	153736 P164
	#DRYWELL	PRESSURE SWITCH IS OUT OF TOLERANCE AT BRUNSWICK 2*	159621 P181
AT HATCH 1*	#DRYWELL	PRESSURE SWITCH SURVEILLANCE NOT PERFORMED ON TIME	159064 P330
	#DRYWELL	PRESSURE SWITCHES AT HATCH 2*	154940 P351
	#DRYWELL	PRESSURE SWITCHES AT HATCH 2*	158774 P387
	#DRYWELL	PRESSURE SWITCHES AT OYSTER CREEK*	160326 P462
	#DRYWELL	PRESSURE SWITCHES AT OYSTER CREEK*	161644 P466
	#DRYWELL	PRESSURE TRANSMITTER NOT QUALIFIED AT BROWNS FERRY	161640 P 98
	#DRYWELL	PRESSURE TRANSMITTER NOT QUALIFIED AT BROWNS FERRY	161599 P119
	#DRYWELL	PRESSURE TRANSMITTERS NOT QUALIFIED AT BROWNS	161893 P 76
	#DRYWELL	PURGE VALVE CLOSING TIME EXCEEDS LIMIT AT QUAD	153948 P538
	#DRYWELL	SACRIFICIAL SHIELD AT HATCH 2*	159325 P389
FERRY 1*	#DRYWELL	SAMPLE ISOLATION VALVE FAILS TO CLOSE AT BROWNS	158631 P 62
	#DRYWELL	SUMP FLOW TRANSMITTER FALLS OFF AT BROWNS FERRY 3*	159492 P109
	#DRYWELL	SUMP INTEGRATOR AND FLOW RECORDER INOPERABLE AT	160882 P292
	#DRYWELL	SUMP ISOLATION VALVE FAILS TO CLOSE AT MONTICELLO*	161495 P438
	#DRYWELL	SUMP PUMP FAILS AT FITZPATRICK*	160880 P292
	#DRYWELL	TEMPERATURE AT PILGRIM 1*	160042 P514
	#DRYWELL	TEMPERATURE EXCEEDS LIMIT AT HATCH 2*	158673 P381
	#DRYWELL	TEMPERATURE RECORDER INOPERABLE AT HATCH 1*	162413 P344
	#DRYWELL	TEMPERATURE RECORDER PRINTS ERRATICALLY AND HIGH	155556 P305
	#DRYWELL	TEMPERATURE RECORDER WAS STAMPING UPSCALE AT HATCH	159673 P326
	#DRYWELL	TEMPERATURE SENSORS CONNECTED TO WRONG INDICATORS	156983 P365
	#DRYWELL	TO SUPPRESSION CHAMBER DIFFERENTIAL PRESSURE OUT	153461 P100
	#DRYWELL	TO TEMPERATURE RECORDER WAS NOT STAMPING AT HATCH 1	159669 P327
	#DRYWELL	TO TORUS DIFFERENTIAL PRESSURE FALLS BELOW LIMIT	155305 P270
	#DRYWELL	TO TORUS DIFFERENTIAL PRESSURE FALLS BELOW LIMIT	157084 P275

TOO LONG AT VERMONT YANKEE*	# DRYWELL TO TORUS DIFFERENTIAL PRESSURE FALLS BELOW LIMIT	159171 P574
OPERATE AT BROWNS FERRY 2*	# DRYWELL TO TORUS DIFFERENTIAL PRESSURE INDICATOR FAILS TO	154439 P 79
	# DRYWELL TO TORUS OP DROPPED BELCH LIMITS AT DRESDEN 2*	158247 P214
DRESDEN 2*	#TORUS TO DRYWELL VACUUM BREAKER FAILS AT DRESDEN 2*	158556 P211
	#TORUS TO DRYWELL VACUUM BREAKER FAILS TO GIVE OPEN INDICATION AT	160266 P214
	#TORUS- DRYWELL VACUUM BREAKER FAILS TO CFEN AT HATCH 2*	156143 P355
	# DRYWELL VACUUM BREAKER POSITION INDICATOR FAILS AT HATCH 1*	159436 P336
2*	#TORUS VENT VALVES FOUND TO BE FULLY OPEN AT PEACH BOTTOM	154740 P474
	# DRYWELL-TORUS DIFFERENTIAL PRESSURE CHANNEL AT HATCH 1*	154881 P304
*	# DRYWELL-TORUS VACUUM BREAKERS NOT TESTED ON TIME AT HATCH 2	160845 P400
1*	# DRYWELL/TORUS DIFFERENTIAL PRESSURE FALLS TOO LOW AT HATCH	156953 P315
HATCH 1*	# DRYWELL/TORUS DIFFERENTIAL PRESSURE RECORDER FAILS AT	156995 P317
HATCH 1*	# DRYWELL/TORUS TEMPERATURE RECORDER PRINTS ERRATICALLY AT	153738 P303
	#SET POINT DRIFT IN RHR LOW PRESSURE PERMISSIVE SWITCH AT	DUANE ARNOLD*
	#SET POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCHES AT	DUANE ARNOLD*
	#BATTERY SURVEILLANCE DOCUMENTATION NOT COMPLETED AT	DUANE ARNOLD*
	#REACTOR RECIRCULATION PUMP MOTOR SHORTS AT	DUANE ARNOLD*
#LOW DIESEL GENERATOR GOVERNOR HYDRAULIC OIL LEVEL FOUND AT	DUANE ARNOLD*	158616 P 9
#EMERGENCY BUS RELAYS HAVE EXCESSIVE TIME DELAY AT	DUANE ARNOLD*	159645 P 10
#HPCI TURBINE DOES NOT REACH RATED SPEED AT	DUANE ARNOLD*	160275 P 10
#RECIRCULATION PUMP MOTOR OIL LEVEL IS LOW AT	DUANE ARNOLD*	160265 P 11
#CONTAINMENT PRESSURE SWITCHES TRIP OUT OF SPECS AT	DUANE ARNOLD*	160268 P 11
#EMERGENCY BUS RELAYS HAVE EXCESSIVE TIME DELAY AT	DUANE ARNOLD*	160324 P 11
#DRYWELL GASEOUS RADIATION RECORDERS FAIL AT	DUANE ARNOLD*	160262 P 12
#SCRAM DISCHARGE VOLUME DRAIN VALVE LEAKS AT	DUANE ARNOLD*	159203 P 13
#TORUS WATER LEVEL FALLS BELOW LIMIT AT	DUANE ARNOLD*	159205 P 13
#LPCI LCCP SELECTION PRESSURE SWITCH FAILS TO RESET AT	DUANE ARNOLD*	159215 P 13
#DIESEL GENERATOR FAILS TO START AT	DUANE ARNOLD*	159057 P 14
#RCIC TURBINE TRIP AND THROTTLE VALVE FAILS TO OPEN AT	DUANE ARNOLD*	159058 P 15
#RECIRCULATION PUMP TRIP SYSTEM NOT TESTED AT	DUANE ARNOLD*	159059 P 15
#CORE SPRAY TO CORE PLATE DELTA P ALARM ACTIVATED AT	DUANE ARNOLD*	160202 P 15
#CONTROL ROD BLOCK MONITOR INOPERABLE AT	DUANE ARNOLD*	159564 P 16
#CONTROL ROOM AIR TREATMENT SYSTEM INOPERABLE AT	DUANE ARNOLD*	159561 P 16
#DRYWELL PARTICULATE RADIATION RECORDERS FAIL AT	DUANE ARNOLD*	159558 P 16
#SET POINT DRIFT IN CORE SPRAY PRESSURE SWITCH AT	DUANE ARNOLD*	159411 P 17
#DRIVER WATER SUPPLY LOOP OUT OF SERVICE AT	DUANE ARNOLD*	160353 P 17
#CONTROL BUILDING ISOLATION DAMPER FAILS TO CLOSE AT	DUANE ARNOLD*	160458 P 18
#SET POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCH AT	DUANE ARNOLD*	160457 P 18
#RCIC INOPERABLE AT	DUANE ARNOLD*	160460 P 18
#CONDENSATE STORAGE TANK LOW LEVEL SWITCH FAILS AT	DUANE ARNOLD*	160452 P 19
#RCIC STEAM SUPPLY VALVE LIMIT SWITCH FAILS AT	DUANE ARNOLD*	160829 P 19
#ONE OF THREE RCS SAMPLING POINTS ISOLATED AT	DUANE ARNOLD*	160856 P 19
#RCIC STEAM SUPPLY LINE VALVE FAILS TO OPEN AT	DUANE ARNOLD*	160827 P 20
#DIESEL GENERATOR FAILS TO RESPOND TO VOLTAGE CONTROL AT	DUANE ARNOLD*	160501 P 21
#RHR ALARM FAILS TO CLEAR AT	DUANE ARNOLD*	160801 P 21
#TURBINE VALVE CLOSURE TEST NOT PERFORMED AT	DUANE ARNOLD*	160825 P 22
#STEAM PRESSURE RELIEF VALVE STICKS OPEN AT	DUANE ARNOLD*	161752 P 22
#CONTAINMENT ISOLATION VALVES FAIL TO CLOSE AT	DUANE ARNOLD*	161716 P 22
#SET POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCH AT	DUANE ARNOLD*	161715 P 23
#DRYWELL PRESSURE RECORDER INOPERABLE AT	DUANE ARNOLD*	161990 P 23
#REACTOR COOLANT ISOTOPIC ANALYSIS MISSED AT	DUANE ARNOLD*	161999 P 24
#TORUS WATER LEVEL PUMPED DOWN BELOW LIMIT AT	DUANE ARNOLD*	161942 P 24
#STACK FILTERS NOT ANALYZED FOR ALPHAS DURING APRIL AT	DUANE ARNOLD*	163370 P 25
#FIRE PUMP REMOVED FROM SERVICE FOR REPAIR AT	DUANE ARNOLD*	159069 P 27
#HPCI TURBINE REVERSING CHAMBERS CRACK AT	DUANE ARNOLD*	158271 P 27
#RCIC TURBINE BEARINGS FAIL AT	DUANE ARNOLD*	156929 P 28
POINT DRIFT IN CORE SPRAY DIFFERENTIAL PRESSURE SWITCH AT	DUANE ARNOLD*	158248 P 29
LEAK DETECTION TEMPERATURE DIFFERENTIAL SWITCH FAILS AT	DUANE ARNOLD*	#SET 155514 P 5
STEAM LINE LEAK DETECTION TEMPERATURE SWITCH SET HIGH AT	DUANE ARNOLD*	#HPCI 160851 P 21
FIRE WATCH NOT ESTABLISHED IN CABLE SPREADING ROOM AT	DUANE ARNOLD*	#MAIN 160325 P 12
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AC UNDERVOLTAGE RELAY SETPOINT FALLS BELOW LIMIT AT	DUANE ARNOLD*	#REACTOR 155516 P 26
CAUSE LOSS OF CORE SPRAY SPARGER BREAK DETECTION ALARM AT	DUANE ARNOLD*	#INSTRUMENT 163373 P 24
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VOLUME HIGH LEVEL INSTRUMENT TEST NOT PERFORMED AT	DUANE ARNOLD*	#REACTOR WATER 160855 P 20
DAY TANK ROOM FIRE SPRINKLERS OUT OF SERVICE TOO LONG AT	DUANE ARNOLD*	#SCRAM DISCHARGE 161926 P 25
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#RCIC TRIPPED ON OVERSPEED	DUANE ARNOLD*	154683 P103
#DIESEL GENERATOR INOPERABLE	DUANE ARNOLD*	157436 P107
#ROD BLOCK MONITOR DISABLED	DUANE ARNOLD*	159508 P324
#HPCI FAILS TO MEET FLOW REQUIREMENT	DUANE ARNOLD*	158633 P280
#RHR SUPPRESSION CHAMBER	DUANE ARNOLD*	158272 P 63
#HPCI TRIPS	DUANE ARNOLD*	155522 P539
#STACK FILTERS NOT ANALYZED FOR ALPHAS	DUANE ARNOLD*	154511 P122
#CCW PUMPS INOPERABLE	DUANE ARNOLD*	159069 P 27
#CAD STORAGE TANK LEVEL DROPS BELOW LIMIT	DUANE ARNOLD*	161451 P 97
#RMOV BOARD BREAKER FAILS TO TRANSFER	DUANE ARNOLD*	156110 P175
#CONTAINMENT INTEGRITY VIOLATED	DUANE ARNOLD*	156028 P 83
#CMFP EXCEEDS LIMIT	DUANE ARNOLD*	156973 P478
#ONE CONTROL ROD NOT PULLED TO TARGET POSITION	DUANE ARNOLD*	154741 P352
#HPCI TURBINE TRIPS	DUANE ARNOLD*	156132 P357
#HPCI TURBINE TRIPS	DUANE ARNOLD*	154650 P262
#HPCI TURBINE TRIPS	DUANE ARNOLD*	156017 P 86
#DIESEL GENERATOR FAILS 3 TIMES	DUANE ARNOLD*	154875 P566
	159171 P574	158646 P509

BOTTOM 2*	#TWO SERVICE WATER PUMPS #RHR SYSTEM FAILS TO MEET SAFE SHUTDOWN	EARTHQUAKE CRITERIA AT PILGRIM 1*	160327 P521
POINT 1*	#A FIRE IN SOME ELECTRICAL RACEWAYS COULD #DISCHARGE LIQUID #HPCI #OFF SITE	EARTHQUAKE CRITERIA AT PILGRIM 1* #ECCS LOGIC RELAY FAILS TO FUNCTION PROPERLY AT PEACH #ECCS SNUBBERS FAIL AT HATCH 1* #EFFECT REDUNDANT TRAINS AT PILGRIM 1* #EFFLUENT DISCHARGE TEMPERATURE EXCEEDS LIMIT AT NINE MILE #EFFLUENT RADIATION LEVEL EXCEEDS LIMIT AT CRESDEN 1* #EGR ACTUATOR GROUNDED AT BROWNS FERRY 1* #ELECTRIC POWER LINE TRIPS AT BROWNS FERRY 1* #ELECTRIC POWER LOST TO SBLC SYSTEM AT PEACH BOTTOM 2* #ELECTRICAL AND MECHANICAL RCIC TURBINE OVERSPEED #ELECTRICAL FIRE SEALS DISCOVERED AT FITZPATRICK* #ELECTRICAL PENETRATION LEAK RATES EXCEED LIMIT AT LACROSSE* #ELECTRICAL PENETRATION LEAKS AT LACROSSE* #ELECTRICAL POWER SOURCES NOT TESTED WHEN REQUIRED AT HATCH #ELECTRICAL RACEWAYS COULD EFFECT REDUNDANT TRAINS AT #ELECTROMYDRAULIC CONTROL FLUID PRESSURE SWITCH AT QUAD- #ELECTROMAGNETIC RELIEF VALVE FAILS TO OPEN AT NINE MILE #ELECTROMAGNETIC RELIEF VALVE FAILS TO OPEN AT QUAD-CITIES 2 #ELECTROMAGNETIC RELIEF VALVE FAILS TO CLOSE AT QUAD-CITIES 1* #ELECTROMAGNETIC RELIEF VALVE FAILS TO OPEN AT OYSTER CREEK* #ELECTROMAGNETIC RELIEF VALVE SENSOR SETPOINTS WERE TOO HIGH #ELECTRONIC ANNUNCIATION NOT ON DCCR TO CONTROL BUILDING AT #ELECTRONIC DRIFT CAUSES INCORRECT ROD CLOCK TRIP AT #EMERGENCY BUS MONITOR RELAY TERMINAL POINTS OVERHEAT AT #EMERGENCY BUS RELAYS HAVE EXCESSIVE TIME DELAY AT DUANE #EMERGENCY BUS RELAYS HAVE EXCESSIVE TIME DELAY AT DUANE #EMERGENCY CONDENSER OUTLET VALVE LEAKS THROUGH SEAT AT BIG #EMERGENCY CONDENSER VALVE SEAT LEAKAGE AT BIG ROCK POINT* #EMERGENCY EQUIPMENT COOLING WATER VALVE FAILS CLOSED AT #EMERGENCY FILTER FAN FAILS TO START AT BRUNSWICK 2* #EMERGENCY FLOODING VENT VALVE DOES NOT OPEN AT LA CROSSE* #EMERGENCY OIL PUMP DISCHARGE LINE LEAKS AT QUAD-CITIES 2* #EMERGENCY POWER CONTROL SYSTEM AT HATCH 1* #EMERGENCY STATION BATTERIES FAIL TO MAINTAIN THEIR LOADS #EMERGENCY SWITCHGEAR BUS AT HATCH 2* #EMERGENCY VENT SYSTEM CHARCCAL NOT ANALYZED WHEN REQUIRED #ENCOUNTERED AT FITZPATRICK* #ENERGIZED AT HATCH 1* #ENGINE TEMPERATURE AT QUAD-CITIES 1* #ENVIRONMENTAL AIR SAMPLE NOT OBTAINED AT VERMONT YANKEE* #ENVIRONMENTAL AIR SAMPLER FAILS AT VERMONT YANKEE* #ENVIRONMENTAL AIR SAMPLES NOT TAKEN AT VERMONT YANKEE* #EQUIPMENT AND PERSONNEL LOCK LEAKAGE TESTS NOT PERFORMED #EQUIPMENT COOLING PIPE CRACKS AT COOPER* #EQUIPMENT COOLING WATER VALVE FAILS CLOSED AT BROWNS FERRY #DRAIN FLOW SENSORS FAIL AT BRUNSWICK 1* #DRAIN LEAKAGE INTEGRATOR REQUIRES CALIBRATION AT #DRAIN SUMP VALVE EXCEEDS LIMIT AT MONTICELLO* #DRAIN VALVE FAILS TO CLOSE AT CCCPER* #DRAIN DOOR LEAKS AT BROWNS FERRY 3* #EQUIPMENT HATCH LEAK AT BROWNS FERRY 3* #EROSION NOTED IN SW PUMPS STRAINER BACKWASH LINE AT COOPER* #ERRATIC AT BRUNSWICK 2* #ERRATIC INDICATIONS AT BRUNSWICK 1* #ERRATICALLY AND HIGH AT HATCH 1* #ERRATICALLY AT HATCH 1* #ERRONEOUS MANUAL OPERATION OF A RELAY TRIPS RECIRC PUMP AT #ERROR AT BROWNS FERRY 2* #ERROR AT HATCH 1* #ERROR FOUND IN CALCULATED SAFETY VALVE PRESSURE MARGIN AT #ERROR FOUND IN EMERGENCY POWER CONTROL SYSTEM AT HATCH 1* #ERRORS DISCOVERED IN MAPLHGR DETERMINATION AT HILLSTONE 1* #ESTABLISHED AT OYSTER CREEK* #ESTABLISHED IN TIME AT LACROSSE* #ESTABLISHED IN CABLE SPREADING RCCM AT DUANE ARNOLD* #EXCEED LEAK RATE AT BROWNS FERRY 2* #EXCEED LEAK RATE AT LACROSSE* #EXCEED LEAK RATE LIMIT AT VERMONT YANKEE* #EXCEED LIMIT AT BIG ROCK POINT* #EXCEED LIMIT AT BROWNS FERRY 1* #EXCEED LIMIT AT CRESDEN 3* #EXCEED LIMIT AT FITZPATRICK* #EXCEED LIMIT AT HATCH 2* #EXCEED LIMIT AT HATCH 2* #EXCEED LIMIT AT HATCH 2* #EXCEED LIMIT AT LACROSSE* #EXCEED LIMIT AT QUAD-CITIES 1* #EXCEED LIMITS AT BRUNSWICK 1* #EXCEED LIMITS AT CRESDEN 3* #EXCEED LIMITS AT HATCH 2* #EXCEED LIMITS AT PEACH BOTTOM 2* #EXCEED LIMITS AT PEACH BOTTOM 3* #EXCEED REPORT LIMITS AT PILGRIM 1* #EXCEED SET POINT LIMIT AT PILGRIM 1* #EXCEED TEN TIMES CONTROL ACTIVITIES AT HILLSTONE* #EXCEEDED AT BROWNS FERRY 1*	160490 P527 160333 P481 160138 P338 154694 P502 155298 P440 156224 P205 161453 P 75 159267 P 68 160480 P482 155595 P 51 156198 P275 156223 P412 162538 P417 154942 P350 154694 P502 156962 P542 159511 P443 163334 P564 160432 P546 154450 P449 160261 P458 156085 P308 157696 P232 158310 P367 159645 P 10 160262 P 12 154457 P 31 154458 P 30 161821 P120 162727 P197 157165 P413 158714 P556 154884 P306 156117 P359 159067 P388 154446 P439 154505 P263 155554 P306 161063 P548 154606 P566 160093 P580 158703 P573 156984 P 34 156898 P245 161821 P120 160386 P135 163400 P203 156244 P432 161594 P255 153460 P101 154590 P100 153972 P240 165530 P164 158661 P145 155556 P305 153738 P303 155365 P 82 160496 P 95 155454 P359 161798 P447 154884 P306 155196 P419 158250 P457 161890 P418 158304 P 8 160921 P 95 162536 P418 161966 P581 163388 P 45 154617 P 48 163344 P240 160498 P291 156131 P356 157132 P362 161845 P404 156223 P412 160815 P546 160204 P149 160176 P235 161914 P404 159578 P479 160372 P495 156067 P506 160345 P521 161680 P425 159212 P 67
ASSEMBLIES DAMAGED AT BROWNS FERRY 1*	#MISSING AND DEFECTIVE #CONTAINMENT #A FIRE IN SOME #SET POINT DRIFT IN		
2* PILGRIM 1* CITIES 1* POINT 1* *			
AT OYSTER CREEK* HATCH 1* CRESDEN 2* HATCH 2* ARNOLD* ARNOLD* ROCK POINT*			
BROWNS FERRY 3*	#UPDATE REPORT ON #CONTROL BUILDING #HPCI #ERROR FOUND IN #POWER LOST TO		
AT HATCH 2* AT NINE MILE POINT 1*			
AT BIG ROCK POINT*			
3* BRUNSWICK 2*	#REACTOR #EMERGENCY #DRYWELL #DRYWELL #LEAK RATE OF DRYWELL #DRYWELL #DRYWELL #UPDATE REPORT ON DRYWELL #EXCESSIVE #CONTAINMENT ATMOSPHERE MONITOR #CONTAINMENT OXYGEN ANALYZER GIVES #DRYWELL TEMPERATURE RECORDER PRINTS #DRYWELL/TCRUS TEMPERATURE RECORDER PRINTS		
BROWNS FERRY 2* NINE MILE POINT*	#FUEL SHUFFLING #DRYWELL HYDROGEN-OXYGEN ANALYZER READING IN #ACCIDENT ANALYSIS #DEGRADED FIRE BARRIERS FOUND AND FIRE WATCH NOT #FIRE WATCH NOT #PROPER FIRE WATCH NOT #MAIN STEAM ISOLATION VALVES #TWO CONTAINMENT ISOLATION VALVES #TWO CONTAINMENT ISOLATION VALVES #CONTAINMENT ISOLATION VALVES* LEAK RATES #LEAK RATE OF THREE MAIN STEAM ISOLATION VALVES #REACTOR PRESSURE AND COOLANT TEMPERATURE #COBALT ACTIVITY IN PERIPHYTON SAMPLE #LEAKAGE OF FIVE MSIV'S #CONTAINMENT ISOLATION VALVE LEAK RATES #FEEDWATER ISOLATION VALVE LEAK RATES #ELECTRICAL PENETRATION LEAK RATES #CONTAINMENT ISOLATION VALVE LEAK RATES #APRM SETPOINTS #MSIV CLOSURE TIMES #HPCI AND RHR VALVE LEAK RATES #SEVERAL CONTAINMENT ISOLATION VALVES* LEAK RATES #PIPE SUPPORT STRESSES #RADIOACTIVE IN MUSSEL SAMPLES #REACTOR WATER LEVEL SWITCHES #CCBALT AND SILVER ACTIVITY LEVELS #LINEAR HEAT GENERATION RATE		

#LINEAR HEAT GENERATION RATE	EXCEEDED AT BROWNS FERRY 1*	161886 P 75
#CONDENSER COOLING WATER TEMPERATURE LIMIT	EXCEEDED AT COOPER*	159493 P249
#CONDENSER COOLING WATER TEMPERATURE LIMIT	EXCEEDED AT COOPER*	159469 P249
#CONDENSER COOLING WATER TEMPERATURE LIMIT	EXCEEDED AT COOPER*	159485 P251
#CONDENSER COOLING WATER TEMPERATURE LIMIT	EXCEEDED AT COOPER*	159460 P251
#CONDENSER COOLING WATER TEMPERATURE LIMIT	EXCEEDED AT COOPER*	159491 P251
#REACTOR COOLDOWN RATE	EXCEEDED AT COOPER*	162521 P258
#REACTOR COOLANT CONDUCTIVITY LIMITS	EXCEEDED AT HATCH 2*	160509 P398
#MAXIMUM COOLDOWN RATE	EXCEEDED AT LA CROSSE*	161631 P416
#LINEAR HEAT GENERATION RATE LIMIT	EXCEEDED IN THREE NODES, AT BROWNS FERRY 1*	159192 P 66
#DRYWELL AVERAGE TEMPERATURE	EXCEEDED THE 145 F LIMIT AT HATCH 2*	159626 P384
#UPDATE ON CONTAINMENT OXYGEN CONCENTRATION	EXCEEDING LIMIT AT BRUNSWICK 2*	163503 P191
#MILK SAMPLE CESIUM CONTENT	EXCEEDS CONTROL BY FACTOR OF TEN AT PILGRIM 1*	157023 P507
#TORUS LEVEL	EXCEEDS HIGH LIMIT AT BRUNSWICK 2*	155813 P173
#SUPPRESSION CHAMBER OXYGEN CONCENTRATION	EXCEEDS LIMIT AT ARNOLD*	155529 P 2
#LEAK RATE OF MSIV'S	EXCEEDS LIMIT AT ARNOLD*	155526 P 4
#TOTAL CONTAINMENT LEAK RATE	EXCEEDS LIMIT AT BROWNS FERRY 1*	155532 P 55
#RIVER WATER TEMPERATURE RISE	EXCEEDS LIMIT AT BROWNS FERRY 1*	160156 P 73
#DIFFERENTIAL RIVER TEMPERATURE	EXCEEDS LIMIT AT BROWNS FERRY 1*	161754 P 76
#HPCI CHECK VALVE LEAK RATE	EXCEEDS LIMIT AT BROWNS FERRY 2*	160092 P 94
#DISCHARGE CHLORINE CONCENTRATION	EXCEEDS LIMIT AT BROWNS FERRY 2*	163470 P 97
#CONTAINMENT LEAK RATE	EXCEEDS LIMIT AT BROWNS FERRY 2*	161792 P 98
#RIVER TEMPERATURE	EXCEEDS LIMIT AT BROWNS FERRY*	158700 P 66
#REACTOR VESSEL CONDUCTIVITY	EXCEEDS LIMIT AT BRUNSWICK 1*	155311 P135
#REACTOR VESSEL CONDUCTIVITY	EXCEEDS LIMIT AT BRUNSWICK 1*	163665 P146
#REACTOR COOLANT CONDUCTIVITY	EXCEEDS LIMIT AT BRUNSWICK 1*	160403 P150
#MILK SAMPLE IODINE ACTIVITY	EXCEEDS LIMIT AT BRUNSWICK 1*	162480 P159
#GROSS BETA CONCENTRATION	EXCEEDS LIMIT AT BRUNSWICK 1*	162396 P159
#REACTOR COOLANT CONDUCTIVITY	EXCEEDS LIMIT AT BRUNSWICK 2*	153737 P164
#SUPPRESSION POOL LEVEL	EXCEEDS LIMIT AT BRUNSWICK 2*	160514 P190
#CONTROL ROD INSERTION TIME	EXCEEDS LIMIT AT BRUNSWICK 2*	160513 P190
#CONTAINMENT OXYGEN CONCENTRATION	EXCEEDS LIMIT AT BRUNSWICK 2*	160874 P191
#CONTAINMENT OXYGEN CONCENTRATION	EXCEEDS LIMIT AT BRUNSWICK 2*	160820 P193
#CONTAINMENT OXYGEN CONCENTRATION	EXCEEDS LIMIT AT BRUNSWICK 2*	161817 P199
#TORUS LEVEL	EXCEEDS LIMIT AT BRUNSWICK 2*	161813 P200
#DISCHARGE LIQUID EFFLUENT RADIATION LEVEL	EXCEEDS LIMIT AT DRESDEN 1*	156224 P205
#RADIOACTIVITY IN WASTE SAMPLE TANK	EXCEEDS LIMIT AT DRESDEN 2*	153498 P206
#WASTE SAMPLE TANK ACTIVITY	EXCEEDS LIMIT AT DRESDEN 2*	154927 P209
#FEEDWATER INBOARD CHECK VALVE LEAK RATE	EXCEEDS LIMIT AT DRESDEN 3*	155518 P227
#CONTAINMENT VENT LINE ISOLATION VALVE LEAKAGE	EXCEEDS LIMIT AT DRESDEN 3*	155521 P227
#FEEDWATER CHECK VALVE LEAK RATE	EXCEEDS LIMIT AT DRESDEN 3*	156159 P229
#TORUS WATER LEVEL	EXCEEDS LIMIT AT FITZPATRICK*	155550 P265
#CORE SPRAY PIPE BREAK DETECTOR SET POINT	EXCEEDS LIMIT AT FITZPATRICK*	155303 P270
#IODINE RELEASE RATE	EXCEEDS LIMIT AT FITZPATRICK*	158622 P279
#MILK SAMPLE IODINE ACTIVITY	EXCEEDS LIMIT AT FITZPATRICK*	163381 P296
#HEAD DEVELOPED BY PLANT SERVICE WATER PUMP	EXCEEDS LIMIT AT HATCH 1*	156100 P310
#CONTAINMENT OXYGEN CONCENTRATION	EXCEEDS LIMIT AT HATCH 1*	156187 P312
#CONTAINMENT OXYGEN CONCENTRATION	EXCEEDS LIMIT AT HATCH 1*	155598 P316
#REACTOR COOLANT CHLORIDE CONCENTRATION	EXCEEDS LIMIT AT HATCH 2*	156996 P362
#FEEDWATER ISOLATION VALVE LEAK RATE	EXCEEDS LIMIT AT HATCH 2*	156222 P364
#RADWASTE DISCHARGE ISOLATION VALVE LEAKAGE	EXCEEDS LIMIT AT HATCH 2*	158308 P368
#DRYWELL TEMPERATURE	EXCEEDS LIMIT AT HATCH 2*	158673 P381
#TORUS TEMPERATURE	EXCEEDS LIMIT AT HATCH 2*	159308 P392
#FEEDWATER ISOLATION VALVE LEAK RATE	EXCEEDS LIMIT AT HATCH 2*	161854 P403
#RCIC TURBINE EXHAUST ISOLATION VALVE LEAK RATE	EXCEEDS LIMIT AT HATCH 2*	161852 P404
#DRYWELL PNEUMATIC RETURN ISOLATION VALVE LEAK RATE	EXCEEDS LIMIT AT HATCH 2*	161880 P406
#CONTAINMENT ISOLATION VALVE LEAKAGE	EXCEEDS LIMIT AT HATCH 2*	162703 P407
#MAIN COOLANT ALPHA ACTIVITY	EXCEEDS LIMIT AT LA CROSSE*	160363 P414
#MAIN COOLANT ALPHA ACTIVITY	EXCEEDS LIMIT AT LA CROSSE*	160364 P415
#CONTAINMENT ISOLATION VALVE LEAK RATE	EXCEEDS LIMIT AT LACROSSE*	162016 P418
#LEAK RATE OF OUTBOARD MSIV	EXCEEDS LIMIT AT MONTICELLO*	156238 P428
#LEAK RATE OF HPCI TURBINE EXHAUST CHECK VALVE	EXCEEDS LIMIT AT MONTICELLO*	156239 P429
#LEAK RATE OF STANDBY LIQUID CONTROL VALVE	EXCEEDS LIMIT AT MONTICELLO*	156240 P429
#LEAK RATE OF TORUS VENT VALVE	EXCEEDS LIMIT AT MONTICELLO*	156241 P430
#LEAK RATE OF RCIC TURBINE EXHAUST CHECK VALVE	EXCEEDS LIMIT AT MONTICELLO*	156242 P431
#LEAK RATE OF TORUS INSTRUMENT AIR VALVE	EXCEEDS LIMIT AT MONTICELLO*	156243 P431
#LEAK RATE OF DRYWELL EQUIPMENT DRAIN SUMP VALVE	EXCEEDS LIMIT AT MONTICELLO*	156244 P432
#LEAK RATE OF INBOUND MSIV	EXCEEDS LIMIT AT MONTICELLO*	156245 P432
#AVERAGE PLANAR HEAT GENERATION RATE	EXCEEDS LIMIT AT NINE MILE POINT 1*	154448 P438
#INDICATED TEMPERATURE ACROSS CONDENSER	EXCEEDS LIMIT AT NINE MILE POINT 1*	154447 P439
#AVERAGE PLANAR LINEAR HEAT GENERATION RATE	EXCEEDS LIMIT AT NINE MILE POINT 1*	154445 P439
#LIQUID EFFLUENT DISCHARGE TEMPERATURE	EXCEEDS LIMIT AT NINE MILE POINT 1*	155298 P440
#CIRCULATING WATER DELTA TEMPERATURE	EXCEEDS LIMIT AT NINE MILE POINT 1*	158696 P442
#MILK SAMPLE IODINE ACTIVITY	EXCEEDS LIMIT AT NINE MILE POINT*	163383 P447
#PRESSURE DROP ACROSS HEPA FILTER	EXCEEDS LIMIT AT OYSTER CREEK 1*	160520 P466
#TORUS OXYGEN CONCENTRATION	EXCEEDS LIMIT AT OYSTER CREEK*	159327 P461
#RIVER WATER TEMPERATURE	EXCEEDS LIMIT AT OYSTER CREEK*	159137 P471
#DISCHARGE TEMPERATURE	EXCEEDS LIMIT AT OYSTER CREEK*	159520 P472
#WATER TEMPERATURE IN CREEK	EXCEEDS LIMIT AT OYSTER CREEK*	160357 P472
#ROD WITHDRAWAL BLOCK SETPOINT	EXCEEDS LIMIT AT PEACH BOTTOM 2*	155380 P476
#REACTOR COOLANT CONDUCTIVITY	EXCEEDS LIMIT AT PEACH BOTTOM 3*	155499 P490
#CONDENSER COOLING WATER TEMPERATURE RISE	EXCEEDS LIMIT AT PILGRIM 1*	155398 P502
#LEAKAGE OF TORUS TO RB VACUUM BREAKER	EXCEEDS LIMIT AT PILGRIM 1*	154680 P503
#REACTOR WATER CONDUCTIVITY	EXCEEDS LIMIT AT PILGRIM 1*	159277 P510
#CONDENSER TEMPERATURE GRADIENT	EXCEEDS LIMIT AT PILGRIM 1*	160523 P529
#CIRCULATING WATER DELTA T	EXCEEDS LIMIT AT PILGRIM 1*	161940 P534
#DRYWELL PURGE VALVE CLOSING TIME	EXCEEDS LIMIT AT QUAD CITIES 1*	153948 P538

#MSIV CLOSURE TIME	EXCEEDS LIMIT AT QUAD CITIES 1*	153491 P538
#SLC RELIEF VALVES UNTIL PRESSURE	EXCEEDS LIMIT AT QUAD CITIES 2*	154916 P551
#REACTOR COOLANT CONDUCTIVITY	EXCEEDS LIMIT AT QUAD CITIES 2*	158494 P555
#DISCHARGE BAY CHLORINE CONCENTRATION	EXCEEDS LIMIT AT QUAD CITIES*	159155 P550
#PRESSURE SWITCH SETPOINT	EXCEEDS LIMIT AT VERMONT YANKEE*	159525 P575
#CMPP	EXCEEDS LIMIT DURING STARTUP AT HATCH 2*	154741 P352
#DISCHARGE TEMPERATURE	EXCEEDS LIMIT 4 TIMES AT OYSTER CREEK*	160300 P472
#LEAK RATE OF OUTBOARD MSIV	EXCEEDS LIMITS AT MONTICELLO*	156237 P428
#CONTAINMENT OXYGEN CONCENTRATION	EXCEEDS LIMITS TWICE AT HATCH 1*	159627 P329
#FUEL EXPOSURE	EXCEEDS MAPLHGR LIMIT ANALYSIS EXPOSURES AT QUAD CITIES 1*	153946 P537
#RADIOACTIVITY RELEASE	EXCEEDS REPORT LIMIT AT FITZPATRICK*	158237 P275
#SR-90 CONCENTRATION IN MILK SAMPLE	EXCEEDS REPORT LIMIT AT PILGRIM 1*	154592 P504
#MUSSEL SAMPLE COBALT 60 CONCENTRATION	EXCEEDS REPORTABLE LIMIT AT PILGRIM 1*	158846 P514
#CO-60 LEVEL IN SEDIMENT SAMPLE	EXCEEDS REPORTING LEVEL AT FITZPATRICK*	154648 P263
#CORE SPRAY PUMP DISCHARGE SWITCH	EXCEEDS SETPOINT AT BROWNS FERRY 1*	158269 P 63
#OYSTER SAMPLE SILVER ACTIVITY	EXCEEDS TEN TIMES CONTROL ACTIVITY AT HILLSTONE*	161827 P426
AT COOPER*	EXCESS FLOW CHECK VALVE MISSING INTERNALS AT BROWNS FERRY 2	161452 P 96
MONTICELLO*	EXCESSIVE EROSION NOTED IN SW PUMPS STRAINER BACKWASH LINE	153972 P240
#DIESEL GENERATOR MAKES	EXCESSIVE NOISE AT HATCH 2*	161853 P402
#EMERGENCY BUS RELAYS HAVE	EXCESSIVE OXYGEN CONCENTRATION IN CONTAINMENT FOUND AT	159209 P435
#EMERGENCY BUS RELAYS HAVE	EXCESSIVE PRIMARY CONTAINMENT LEAKAGE FOUND AT COOPER*	159542 P246
#CONTROL ROD DRIVE PUMP VIBRATES	EXCESSIVE TIME DELAY AT DUANE ARNOLD*	159645 P 10
#SERVICE WATER PUMP VIBRATES	EXCESSIVE TIME DELAY AT DUANE ARNOLD*	160262 P 12
#CONTAINMENT ISOLATION VALVE LEAKS	EXCESSIVELY AT BIG ROCK POINT*	155473 P 34
#RESTRICTION IN COOLING WATER LINE FOR RHR PUMP SEAL HEAT	EXCESSIVELY AT COOPER*	162524 P257
RESTRICTION IN COOLING WATER LINE FOR DIESEL GENERATOR HEAT	EXCESSIVELY AT LACROSSE*	162014 P417
#RHR HEAT	EXCHANGER AT BROWNS FERRY 3*	157437 P108
#RHR HEAT	EXCHANGER AT BROWNS FERRY 3*	157438 P108
#RHR HEAT	EXCHANGER INOPERABLE AT COOPER*	162523 P258
#RHR HEAT	EXCHANGER LEAKS AT BROWNS FERRY 1*	157168 P 63
#RHR HEAT	EXCHANGER LEAKS AT BROWNS FERRY 1*	158710 P 64
#RHR HEAT	EXCHANGER LEAKS AT BROWNS FERRY 2*	159398 P 92
#RHR HEAT	EXCHANGER LEAKS AT BROWNS FERRY 2*	160302 P 92
#DIESEL GENERATOR COOLING HEAT	EXCHANGER LEAKS AT DRESDEN 2*	155312 P210
#DG COOLING WATER HEAT	EXCHANGER LEAKS AT DRESDEN 2*	159532 P216
#LPCI HEAT	EXCHANGER LEAKS AT DRESDEN 3*	163345 P239
#LEAK IN REACTOR WATER CLEANUP HEAT	EXCHANGER LINE AT DRESDEN 3*	161882 P237
#RHR HEAT	EXCHANGER ON CROSSTIE LEAKS AT BROWNS FERRY 3*	159391 P115
#RHR HEAT	EXCHANGER RIB PLATE BUCKLES AT BRUNSWICK 2*	160296 P174
#LPCI HEAT	EXCHANGER SW OUTLET VALVE BREAKER FOUND OPEN AT DRESDEN 3*	153944 P224
#LPCI HEAT	EXCHANGER TUBES LEAK AT DRESDEN 2*	160087 P218
#LPCI HEAT	EXCHANGER TUBES LEAK AT DRESDEN 3*	158705 P233
#CONTAINMENT SPRAY HEAT	EXCHANGER TUBES LEAK AT OYSTER CREEK*	155993 P453
#LEAK RATE OF LPCI TURBINE	EXHAUST CHECK VALVE EXCEEDS LIMIT AT MONTICELLO*	156239 P429
#LEAK RATE OF RCIC TURBINE	EXHAUST CHECK VALVE EXCEEDS LIMIT AT MONTICELLO*	156242 P431
#CONTAINMENT VENTILATION	EXHAUST FAN ISOLATION DAMPER LEAKS AT LA CROSSE*	158307 P413
#BOTH PLANT VENT	EXHAUST FANS OUT OF SERVICE AT BIG ROCK POINT*	153498 P 31
#RCIC TURBINE	EXHAUST ISOLATION VALVE LEAK RATE EXCEEDS LIMIT AT HATCH 2*	161852 P404
#MULTIPLE LPCI TURBINE	EXHAUST LINE SNUBBER FAILURES AT PILGRIM 1*	160187 P522
#HPCI	EXHAUST LINE SNUBBER INOPERABLE AT PILGRIM 1*	153465 P501
#SET POINT DRIFT IN RCIC	EXHAUST PRESSURE SWITCH AT BRUNSWICK 2*	155317 P173
#SET POINT DRIFT IN RCIC TURBINE	EXHAUST PRESSURE SWITCHES AT HATCH 1*	155326 P307
#SET POINT DRIFT IN HPCI	EXHAUST PRESSURE SWITCHES AT HATCH 2*	156130 P356
#CONTAINMENT SAMPLE	EXHAUST PUMP FAILS AT PEACH BOTTOM 3*	160409 P498
#REFUEL FLOOR	EXHAUST RAD MONITOR READING DRIFTS AT PEACH BOTTOM 3*	160373 P495
#DRYWELL	EXHAUST SILENOR COIL NOT QUALIFIED AT BROWNS FERRY 1*	161892 P 76
#FB VENTILATION	EXHAUST SURVEILLANCE NOT PERFORMED AT FITZPATRICK*	160272 P283
#SUPPRESSION POOL	EXHAUST VALVE FAILS TO CLOSE AT BRUNSWICK 2*	160487 P185
#RCIC AND HPCI	EXHAUST VALVES CLOSED AT BRUNSWICK 2*	160358 P187
#REACTOR BUILDING	EXHAUST VENTILATION RADIATION MONITOR INOPERABLE AT	161977 P181
BRUNSWICK 2*	EXISTS AT VERMONT YANKEE*	155497 P570
#POTENTIAL FOR HIGH OR LOW VOLTAGE ON 4160 AND 480V SYSTEMS	EXPOSURE EXCEEDS MAPLHGR LIMIT ANALYSIS EXPOSURES AT QUAD	153946 P537
CITIES 1*	EXPOSURE OVERSIGHT AT MONTICELLO*	154608 P427
#FUEL	EXPOSURE TEST NOT PERFORMED ON TIME AT VERMONT YANKEE*	155190 P567
#UPDATE REPORT ON MAPLHGR	EXPOSURES AT QUAD CITIES 1*	153946 P537
#INTEGRATED GAMMA	EXTENDED AT BRUNSWICK 1*	159444 P139
#FUEL EXPOSURE EXCEEDS MAPLHGR LIMIT ANALYSIS	EXTENDED BY ADMINISTRATIVE DECISION AT BROWNS FERRY 2*	156029 P 84
#INSTRUMENT LINE SNUBBER FOUND OVER		
#SHUTDOWN		
#MAXIMUM TOTAL PEAKING	FACTOR CALCULATION INCORRECTLY AT BRUNSWICK 1*	159210 P148
#MILK SAMPLE CESIUM CONTENT EXCEEDS CONTROL BY	FACTOR OF TEN AT PILGRIM 1*	157023 P507
#HPCI PIPE SNUBBER	FAIL AND PUMP CASING GASKET LEAKS AT PILGRIM 1*	159179 P519
#REACTOR WATER LEVEL SWITCHES	FAIL AT BROWNS FERRY 3*	158537 P107
#DRYWELL EQUIPMENT DRAIN FLOW SENSORS	FAIL AT BRUNSWICK 1*	160386 P135
#STARTUP RANGE MONITORS	FAIL AT BRUNSWICK 1*	159161 P138
#DIESEL GENERATOR SERVICE WATER SUPPLY VALVES	FAIL AT BRUNSWICK 1*	156993 P141
#CONTROL ROD POSITION INDICATORS	FAIL AT BRUNSWICK 1*	159197 P146
#CONTROL ROD POSITION INDICATORS	FAIL AT BRUNSWICK 1*	160108 P149
#INTERMEDIATE RANGE MONITORS	FAIL AT BRUNSWICK 2*	158603 P176
#CONTROL ROD POSITION INDICATORS	FAIL AT BRUNSWICK 2*	160146 P182
#REACTOR WATER CLEANUP PIPE AND SNUBBER	FAIL AT DRESDEN 3*	156207 P230
#DRYWELL GASEOUS RADIATION RECORDERS	FAIL AT DUANE ARNOLD*	159203 P 13
#DRYWELL PARTICULATE RADIATION RECORDERS	FAIL AT DUANE ARNOLD*	159411 P 17
#RCIC TURBINE BEARINGS	FAIL AT DUANE ARNOLD*	158248 P 29
#JET PUMP DIFFERENTIAL PRESSURE INDICATORS	FAIL AT FITZPATRICK*	157060 P278

#MAIN STACK RADIATION MONITOR SAMPLE PUMPS	FAIL AT HATCH 1*	157122 P312
#CRYWELL AND TORUS TEMPERATURE RECORDERS	FAIL AT HATCH 1*	159271 P333
#ECCS SNUBBERS	FAIL AT HATCH 1*	160138 P338
#RHR SERVICE WATER PUMPS	FAIL AT HATCH 2*	158671 P381
#SCRAM DISCHARGE VOLUME HIGH LEVEL SWITCHES	FAIL AT HATCH 2*	159584 P391
#AUTOMATIC DEPRESSURIZATION VALVES	FAIL AT HATCH 2*	161883 P407
#TWO MAIN STEAM LINE SUPPORT WELDS	FAIL AT MILLSTONE 1*	161470 P424
#BACKUP AIR SUPPLIES TO CONTAINMENT VENTILATION VALVES	FAIL AT PEACH BOTTOM 3*	155501 P491
#BOTH MAIN CHIMNEY OFF GAS SAMPLE PUMPS	FAIL AT QUAD CITIES 1*	159331 P545
#RADIATION MONITORS	FAIL AT VERMONT YANKEE*	156989 P573
#CONTAINMENT RADIOACTIVE GAS SAMPLER ISOLATION VALVES	FAIL CLCSED AT PEACH BOTTOM 2*	160073 P482
#CONTAINMENT ISOLATION VALVES	FAIL CLCSED AT PEACH BOTTOM 2*	160927 P483
#CONTAINMENT ATMOSPHERIC MONITORS	FAIL DOWNSCALE AT BRUNSWICK 1*	154522 P124
#RHR SERVICE WATER PUMPS	FAIL FLCW TEST AT BRUNSWICK 2*	154877 P170
#HYDRAULIC SNUBBERS	FAIL TEST AT FITZPATRICK*	16020J P286
#FOUR FIRE DOORS	FAIL TEST AT HATCH 1*	160840 P341
#MAIN STEAM RELIEF VALVES	FAIL TO ACTUATE PROPERLY AT BROWNS FERRY 2*	160153 P 94
#TWO RHR DELAY TIMERS	FAIL TO ACTUATE THE TIMER CCNTACTS AT QUAD CITIES 2*	156019 P554
#RETENTION BUILDING FIRE DETECTORS	FAIL TO ALARM AT PILGRIM 1*	159083 P310
#HPCI AND RCIC FIRE DETECTORS	FAIL TO ALARM AT PILGRIM 1*	159268 P520
#DRYWELL HYDROGEN MONITORS	FAIL TO CALIBRATE AT BROWNS FERRY 2*	160213 P 93
#THREE RWCU ISOLATION VALVES	FAIL TO CLOSE AT BROWNS FERRY 1*	156878 P 59
#COOLING TOWER TRANSFORMER FEEDER BREAKERS	FAIL TO CLOSE AT BROWNS FERRY 1*	161794 P 77
#CONTAINMENT ISOLATION VALVES	FAIL TC CLOSE AT DUANE ARNOLD*	161715 P 23
#TWO FIRE DOORS	FAIL TC CLOSE AT FITZPATRICK*	154651 P262
#CONTAINMENT ISOLATION VALVES	FAIL TO CLOSE AT HATCH 2*	156992 P362
#MAIN STEAM ISOLATION VALVES	FAIL TC CLOSE AT NINE MILE POINT 1*	160001 P441
#DIESEL GENERATOR PINION GEARS	FAIL TO DISENGAGE WHEN REQUIRED AT DRESDEN 2*	153494 P207
#SOURCE RANGE MONITORS	FAIL TO DRIVE INTO CORE AT BRUNSWICK 2*	159603 P179
#72 OF 185 CONTROL RODS	FAIL TO FULLY INSERT AT BROWNS FERRY 3*	158291 P111
#MAIN STEAM ISOLATION VALVES CLOSE TOO FAST AND	FAIL TO INDICATE CLOSED AT QUAD CITIES 2*	160835 P559
#CONTAINMENT VACUUM BREAKER LIGHTS	FAIL TO INDICATE OPEN AT HATCH 2.*	154619 P347
#CENTROL ROD DRIVE ACCUMULATORS	FAIL TO MAINTAIN NITROGEN PRESSURE AT HATCH 1*	160269 P321
#STATION BATTERY CHARGERS	FAIL TO MAINTAIN REQUIRED LCAD AT HATCH 2*	156121 P360
#EMERGENCY STATION BATTERIES	FAIL TO MAINTAIN THEIR LOADS AT HATCH 2*	156117 P359
#TWO MAIN STEAM ISOLATION VALVES	FAIL TO MEET LEAK RATE AT MILLSTONE 1*	160060 P423
#CONTROL ROD DRIVE HYDRAULIC PIPE SUPPORTS	FAIL TO MEET STRESS LIMITS AT MONTICELLI*	156339 P433
#SOURCE RANGE MONITORS	FAIL TO MOVE AND GIVE UNUSUAL INDICATION AT BRUNSWICK 2*	158655 P179
#CAC MONITOR ISOLATION VALVES	FAIL TO OPEN AT BRUNSWICK 2*	161595 P194
#TWO CAD SYSTEM VALVES	FAIL TO OPEN AT BRUNSWICK 2*	161653 P196
#TORUS VENT VALVES	FAIL TO OPEN AT DRESDEN 2*	158704 P215
#AUTOMATIC DEPRESSURIZATION VALVES	FAIL TO OPEN AT DRESDEN 3*	158231 P232
#MAIN STEAM ISOLATION SWITCHES	FAIL TO OPERATE AT BROWNS FERRY 3*	158235 P106
#CAD TANK FLOW CONTROL VALVES	FAIL TO OPERATE AT BRUNSWICK 2*	161655 P195
#SCRAM DISCHARGE VOLUME VENT AND DRAIN VALVES	FAIL TO OPERATE AT PEACH BOTTOM 2*	159644 P479
#LIQUID LEVEL SWITCHES	FAIL TO OPERATE PROPERLY AT BROWNS FERRY 2*	155204 P 81
#FOUR RIP VALVES	FAIL TO OPERATE PROPERLY AT BRUNSWICK 1*	154731 P123
#RHR SERVICE WATER PUMPS	FAIL TO PROVIDE SUFFICIENT FLOW AT FITZPATRICK*	160227 P286
#RHR SERVICE WATER PUMPS	FAIL TO START AT BRUNSWICK 2*	160466 P187
#CORE SPRAY PUMPS	FAIL TO START AT COOPER*	159565 P247
#REACTOR BLDG VENT RAD MONITOR SAMPLE PUMPS	FAIL TO START AT HATCH 1*	159248 P335
#MAIN STEAM LINE HIGH FLOW SENSORS	FAIL TO TRIP ON SETPOINT AT OYSTER CREEK*	163385 P470
#AIR TEMPERATURE RECORDER	FAILED AT BROWNS FERRY 1*	160906 P 74
#SECONDARY CONTAINMENT INTEGRITY CHECK	FAILED AT BRUNSWICK 1*	159164 P140
WATER TRAVELING SCREEN FAILS WHILE REDUNDANT SYSTEM IS	FAILED AT DUANE ARNOLD*	#RIVER 159051 P 14
#INDICATING VALVES ON THE FIRE PROTECTION SYSTEM	FAILED AT OYSTER CREEK*	160263 P459
#REACTOR BUILDING VENT MONITOR	FAILED DOWNSCALE AT COOPER*	159299 P252
#TORUS VACUUM BREAKER VALVE	FAILED OPEN AT HATCH 2*	159629 P385
#LPIC INJECTION VALVE	FAILED TO OPEN AT PEACH BOTTOM 3*	160140 P497
#REACTOR DEPRESSURIZING SYSTEM BATTERY CELL	FAILS AT BIG ROCK POINT*	154904 P 32
#REACTOR DEPRESSURIZING SYSTEM CHANNEL BATTERY	FAILS AT BIG ROCK POINT*	159088 P 37
#PRESSURE INDICATOR SWITCH	FAILS AT BIG ROCK POINT*	160291 P 38
#CENTROL ROD DRIVE ACCUMULATOR LEVEL SWITCH	FAILS AT BROWNS FERRY 1*	155296 P 49
#VENTILATION SYSTEM ISOLATION CHANNEL RELAYS	FAILS AT BROWNS FERRY 1*	154919 P 49
#ONE OFFSITE POWER LINE	FAILS AT BROWNS FERRY 1*	156026 P 54
#RADIATION MONITOR	FAILS AT BROWNS FERRY 1*	156946 P 58
#HALOGEN DETECTOR	FAILS AT BROWNS FERRY 1*	157167 P 50
#DRYWELL AIR SAMPLING PUMP	FAILS AT BROWNS FERRY 1*	157738 P 64
#SCRAM DISCHARGE VOLUME HIGH LEVEL SWITCH	FAILS AT BROWNS FERRY 1*	158293 P 65
#TURBINE BUILDING ROOF VENT MONITOR	FAILS AT BROWNS FERRY 1*	159405 P 69
#WIND DIRECTION INDICATOR	FAILS AT BROWNS FERRY 1*	160225 P 70
#REACTOR BUILDING VENTILATION MONITOR	FAILS AT BROWNS FERRY 1*	160157 P 72
#ONE OFFSITE POWER LINE	FAILS AT BROWNS FERRY 2*	156031 P 84
#AIR PARTICULATE CHANNEL RECORDER	FAILS AT BROWNS FERRY 2*	158632 P 87
#HPCI TURBINE RUPTURE DISC	FAILS AT BROWNS FERRY 2*	159340 P 91
#REFUELING ZONE INBOARD ISOLATION TIME DELAY RELAY	FAILS AT BROWNS FERRY 2*	161065 P 96
#DIESEL GENERATOR	FAILS AT BROWNS FERRY 3*	157009 P105
#RCIC SPEED FEEDBACK MAGNETIC PICKUP CONNECTOR	FAILS AT BROWNS FERRY 3*	160115 P114
#RHR PUMP AREA COOLER FAN THERMAL OVERLOAD RELAY	FAILS AT BROWNS FERRY 3*	159389 P115
#RTGB CONTROL SWITCH FOR HPCI TORUS SUCTION VALVE	FAILS AT BRUNSWICK 1*	155397 P132
#CONTROL ROD POSITION INDICATION	FAILS AT BRUNSWICK 1*	156175 P135
#ROD BLOCK MONITOR	FAILS AT BRUNSWICK 1*	155308 P136
#CONTROL ROD POSITION INDICATION	FAILS AT BRUNSWICK 1*	160304 P141
#CONTROL POWER TO DIESEL GENERATOR	FAILS AT BRUNSWICK 1*	156922 P142
#RHR FLOW INDICATOR ON REMOTE SHUTDOWN PANEL	FAILS AT BRUNSWICK 1*	158605 P144
#REACTOR WATER LEVEL SWITCH	FAILS AT BRUNSWICK 1*	158545 P144
#CONTROL ROD POSITION INDICATOR	FAILS AT BRUNSWICK 1*	158600 P144

#RE VENTILATION RADIATION MONITORING SYSTEM	FAILS AT BRUNSWICK 1*	159166 P145
#DRYWELL FLOOR DRAIN FLOW INTEGRATOR	FAILS AT BRUNSWICK 1*	160211 P148
#OXYGEN CHANNEL OF CONTAINMENT ATMOSPHERE RECORDER	FAILS AT BRUNSWICK 1*	160084 P153
#REMOTE SHUTDOWN PANEL RHR FLOW INDICATOR	FAILS AT BRUNSWICK 1*	163394 P153
#CONTROL ROD POSITION INDICATION	FAILS AT BRUNSWICK 1*	161687 P155
#CONTAINMENT OXYGEN MONITOR	FAILS AT BRUNSWICK 1*	160927 P156
#CONTAINMENT ATMOSPHERIC MONITOR	FAILS AT BRUNSWICK 1*	161811 P158
#SERVICE WATER HEADER ANTI-SIPHON PIPE SNUBBER	FAILS AT BRUNSWICK 1*	163391 P158
#SAFETY RELATED PIPE SNUBBER	FAILS AT BRUNSWICK 2*	159066 P177
#MAIN TURBINE CONTROL VALVE FAST CLOSURE RELAY	FAILS AT BRUNSWICK 2*	161070 P183
#RHR FLOW INSTRUMENTATION	FAILS AT BRUNSWICK 2*	160367 P185
#REACTOR WATER LEVEL INDICATION SWITCH	FAILS AT BRUNSWICK 2*	160045 P186
#CONTAINMENT ATMOSPHERIC MONITOR	FAILS AT BRUNSWICK 2*	160464 P186
#RHR SERVICE WATER PRESSURE ALARM	FAILS AT BRUNSWICK 2*	161656 P192
#SERVICE WATER PIPE SNUBBER	FAILS AT BRUNSWICK 2*	162724 P198
#CONTAINMENT ATMOSPHERIC MONITOR	FAILS AT BRUNSWICK 2*	161814 P199
#CONTAINMENT ATMOSPHERIC MONITOR	FAILS AT BRUNSWICK 2*	161816 P200
#CONTAINMENT ATMOSPHERIC MONITOR	FAILS AT BRUNSWICK 2*	162707 P202
#TRAVERSING INCORE PROBE POSITION INDICATION	FAILS AT BRUNSWICK 2*	162706 P202
#HPCI STOP VALVE STEM	FAILS AT COOPER*	155604 P242
#CONTROL POWER TO RHR VALVE	FAILS AT COOPER*	155580 P243
#DIESEL GENERATOR CYLINDER	FAILS AT COOPER*	159470 P252
#SUPPRESSION POOL COOLING INBOARD THROTTLE VALVE	FAILS AT COOPER*	159247 P253
#CONTAINMENT ISOLATION VALVE	FAILS AT COOPER*	160094 P254
#TORUS TO DRYWELL VACUUM BREAKER	FAILS AT DRESDEN 2*	158556 P211
#CONTROL ROD POSITION INDICATION	FAILS AT DRESDEN 2*	159447 P216
#SCRAM DISCHARGE VOLUME HIGH HIGH LEVEL ALARM	FAILS AT DRESDEN 2*	163371 P223
#ROD BLOCK MONITOR	FAILS AT DRESDEN 3*	153493 P223
#DRYWELL OXYGEN ANALYZER AUTOMATIC ADVANCE	FAILS AT DRESDEN 3*	155193 P225
#JET PUMP	FAILS AT DRESDEN 3*	155600 P226
#REACTOR RECIRCULATION PUMP SPEED CONTROLLER	FAILS AT DRESDEN 3*	160456 P236
#CONTROL ROD BLOCK MONITOR	FAILS AT DRESDEN 3*	160922 P237
#CONDENSATE STORAGE TANK LOW LEVEL SWITCH	FAILS AT DUANE ARNOLD*	160829 P 19
#RCIC STEAM SUPPLY VALVE LIMIT SWITCH	FAILS AT DUANE ARNOLD*	160856 P 19
#HPCI LEAK DETECTION TEMPERATURE DIFFERENTIAL SWITCH	FAILS AT DUANE ARNOLD*	160851 P 21
#STANDBY GAS TREATMENT SYSTEM	FAILS AT FITZPATRICK*	159581 P287
#RCIC TURBINE CONTROL	FAILS AT FITZPATRICK*	159382 P290
#OFF GAS RADIATION MONITOR	FAILS AT FITZPATRICK*	160104 P290
#DRYWELL SUMP PUMP	FAILS AT FITZPATRICK*	160880 P292
#HPCI STEAM SUPPLY VALVE MOTOR	FAILS AT FITZPATRICK*	162035 P295
#RCIC HIGH AMBIENT TEMPERATURE SWITCH	FAILS AT FITZPATRICK*	158636 P281
#REACTOR BUILDING VENT STACK RADIATION MONITOR	FAILS AT HATCH 1*	155558 P305
#CONTAINMENT HYDROGEN AND OXYGEN ANALYZER	FAILS AT HATCH 1*	156972 P311
#TCRUS AIR AND WATER TEMPERATURE RECORDER	FAILS AT HATCH 1*	158597 P316
#DRYWELL/TORUS DIFFERENTIAL PRESSURE RECORDER	FAILS AT HATCH 1*	156995 P317
#DRYWELL VACUUM BREAKER POSITION INDICATOR	FAILS AT HATCH 1*	159486 P336
#ROD SEQUENCE CONTROL SYSTEM	FAILS AT HATCH 2*	155643 P351
#RCIC REMOTE SHUTDOWN FLOW CONTROL LOOP	FAILS AT HATCH 2*	154739 P352
#DRYWELL OXYGEN-HYDROGEN ANALYZER	FAILS AT HATCH 2*	156144 P355
#HYDRAULIC SNUBBER	FAILS AT HATCH 2*	158299 P364
#CONTAINMENT PURGE VACUUM BREAKER PRESSURE SWITCH	FAILS AT HATCH 2*	158726 P369
#RPS LOGIC FEEDER BREAKER	FAILS AT HATCH 2*	156936 P370
#TORUS VACUUM BREAKER	FAILS AT HATCH 2*	166933 P372
#TORUS TEMPERATURE RECORDER	FAILS AT HATCH 2*	156934 P373
#DRYWELL HYDROGEN-OXYGEN ANALYZER PUMP DIAPHRAGM	FAILS AT HATCH 2*	156858 P374
#DRYWELL HYDROGEN-OXYGEN ANALYZER	FAILS AT HATCH 2*	156857 P375
#REACTOR WATER LEVEL SWITCH	FAILS AT HATCH 2*	158674 P382
#REACTOR WATER LEVEL SWITCH	FAILS AT HATCH 2*	158675 P382
#MSL LEAKAGE CONTROL FLOW INDICATOR	FAILS AT HATCH 2*	159593 P385
#DIESEL GENERATOR	FAILS AT HATCH 2*	161881 P406
DISCHARGE VOLUME HIGH LEVEL ROD WITHDRAWAL BLOCK SWITCH	FAILS AT HATCH 2*	159159 P390
#CONTAINMENT AIR LOCK DOOR INTERLOCK	FAILS AT LACROSSE*	161888 P415
#RECIR LOOP SAMPLE ISOLATION VALVE	FAILS AT MONTICELLO*	160374 P436
#HPCI STEAM SUPPLY ISOLATION VALVE	FAILS AT MONTICELLO*	159422 P436
#CONTAINMENT SPRAY ISOLATION VALVE	FAILS AT NINE MILE POINT 1*	158697 P441
#AVERAGE POWER RANGE MONITOR	FAILS AT NINE MILE POINT 1*	160862 P446
#REACTOR BUILDING TO SUPPRESSION CHAMBER VACUUM BREAKER	FAILS AT OYSTER CREEK*	153938 P449
#STANDBY GAS TREATMENT UNIT	FAILS AT OYSTER CREEK*	155994 P454
#REACTOR BUILDING AUTOMATIC ISOLATION VALVE	FAILS AT OYSTER CREEK*	157006 P455
#DIESEL DRIVEN FIRE PUMP	FAILS AT OYSTER CREEK*	162433 P473
#RHR PUMP MOTOR	FAILS AT PEACH BOTTOM 2*	158287 P487
#MAIN STEAM LINE RADIATION MONITOR	FAILS AT PEACH BOTTOM 3*	154729 P489
#RCIC AUTOMATIC FLOW CONTROLLER	FAILS AT PEACH BOTTOM 3*	155998 P491
#CONTAINMENT SAMPLE EXHAUST PUMP	FAILS AT PEACH BOTTOM 3*	160489 P498
#HPCI FLOW CONTROLLER	FAILS AT PEACH BOTTOM 3*	161772 P499
#SWITCHYARD 125 VOLT DC BATTERY CHARGER	FAILS AT PILGRIM 1*	153466 P500
#RHR SYSTEM SNUBBER	FAILS AT PILGRIM 1*	155210 P504
#DIESEL GENERATOR FIRE PROTECTION SYSTEM	FAILS AT PILGRIM 1*	157021 P50C
#AUTOMATIC DEPRESSURIZATION SYSTEM RELIEF VALVE	FAILS AT PILGRIM 1*	158834 P514
#REACTOR PROTECTION SYSTEM FUNCTION	FAILS AT PILGRIM 1*	159383 P517
#125V DC CONTROL BATTERY CHARGER	FAILS AT PILGRIM 1*	160239 P523
#REACTOR COOLANT LEAK DETECTION AIR SAMPLING SYSTEM	FAILS AT PILGRIM 1*	160252 P526
#TORUS WATER LEVEL INDICATOR	FAILS AT PILGRIM 1*	161937 P535
#SUPPRESSION CHAMBER COOLING VALVE	FAILS AT QUAD-CITIES 1*	157008 P542
#RHR PUMP TIMER RELAY	FAILS AT QUAD-CITIES 2*	155985 P553
#SAFETY CLASS PIPE SNUBBER	FAILS AT VERMONT YANKEE*	155589 P568
#HPCI CONTROL POWER	FAILS AT VERMONT YANKEE*	160337 P575

#ENVIRONMENTAL AIR SAMPLER	FAILS AT VERMONT YANKEE*	160093 P580
#EMERGENCY EQUIPMENT COOLING WATER VALVE	FAILS CLOSED AT BROWNS FERRY 3*	161821 P120
#CONTAINMENT VACUUM BREAKER VALVE	FAILS CLOSED AT HATCH 2*	158445 P384
#REACTOR BUILDING VENTILATION SYSTEM ISOLATION VALVE	FAILS CLOSED AT QUAD CITIES 2*	155490 P552
#HPCI GOVERNOR VALVE	FAILS CLOSED AT VERMONT YANKEE*	155590 P568
#CONTAINMENT PRESSURE RECORDER	FAILS DOWNSCALE AT ARNOLD*	154507 P 1
#STEAM LINE RADIATION MONITOR	FAILS DOWNSCALE AT BROWNS FERRY 2*	155488 P 83
#CONTAINMENT ATMOSPHERIC MONITOR	FAILS DOWNSCALE AT BRUNSWICK 1*	154518 P125
#CONTAINMENT ATMOSPHERE RECORDER	FAILS DOWNSCALE AT BRUNSWICK 1*	160387 P136
#HPCI HIGH STEAM FLOW INSTRUMENT	FAILS DOWNSCALE AT COOPER*	154051 P241
#DRYWELL OXYGEN CONCENTRATION INDICATOR	FAILS DOWNSCALE AT DRESDEN 2*	159531 P215
#MAIN STEAM LINE DRAIN VALVE	FAILS IN MID POSITION AT HATCH 1*	154667 P301
#VACUUM BREAKER VALVE INDICATING LIGHT	FAILS OFF AT HATCH 1*	160267 P322
#NEUTRALIZER TANK DISCHARGE VALVE	FAILS OPEN AT FITZPATRICK*	154669 P265
#GENERATOR LOAD REJECTION SENSOR PRESSURE SWITCH	FAILS OPEN AT OYSTER CREEK*	157162 P456
#STANDBY LIQUID CONTROL PUMP	FAILS OPERABILITY TEST AT HATCH 2*	156937 P368
#REACTOR LOW WATER LEVEL	FAILS TO ACTUATE AT BRUNSWICK 1*	160534 P155
#TORUS WATER LEVEL SWITCH	FAILS TO ACTUATE AT BRUNSWICK 2*	155572 P167
#AUTOMATIC DEPRESSURIZATION SYSTEM VALVE	FAILS TO ACTUATE AT BRUNSWICK 2*	160886 P169
#HYDROGEN MONITOR	FAILS TO CALIBRATE AT BROWNS FERRY 3*	160330 P116
#DRYWELL HYDROGEN SENSOR	FAILS TO CALIBRATE AT BROWNS FERRY 3*	161935 P121
#RHR ALARM	FAILS TO CLEAR AT DUANE ARNOLD*	160825 P 22
#MAIN STEAM ISOLATION VALVE	FAILS TO CLOSE AT BIG ROCK POINT*	161674 P 42
#SHUTDOWN BOARD ALTERNATE FEED BREAKER	FAILS TO CLOSE AT BROWNS FERRY 1*	155524 P 53
#RHR INJECTION VALVE	FAILS TO CLOSE AT BROWNS FERRY 1*	156014 P 56
#DRYWELL SAMPLE ISOLATION VALVE	FAILS TO CLOSE AT BROWNS FERRY 1*	158631 P 62
#MODULATING DAMPER	FAILS TO CLOSE AT BROWNS FERRY 1*	160214 P 71
#DRYWELL CONTROL AIR VALVE	FAILS TO CLOSE AT BROWNS FERRY 2*	160154 P 94
#REACTOR WATER CLEAN-UP ISOLATION VALVE	FAILS TO CLOSE AT BROWNS FERRY 3*	156965 P106
#RCIC MINIMUM FLOW BYPASS VALVE	FAILS TO CLOSE AT BROWNS FERRY 2*	159416 P112
#REACTOR SCRAMS WHEN BREAKER	FAILS TO CLOSE AT BROWNS FERRY 3*	160152 P117
#CONTAINMENT ATMOSPHERE MONITOR LINE VALVE	FAILS TO CLOSE AT BRUNSWICK 1*	156229 P129
#SUPPRESSION POOL EXHAUST VALVE	FAILS TO CLOSE AT BRUNSWICK 2*	160487 P185
#CONTAINMENT PURGE VALVE	FAILS TO CLOSE AT COOPER*	155582 P243
#DRYWELL EQUIPMENT DRAIN VALVE	FAILS TO CLOSE AT COOPER*	161594 P255
#RHR SERVICE WATER VALVE	FAILS TO CLOSE AT COOPER*	161844 P256
#4160 VOLT BREAKER	FAILS TO CLOSE AT COOPER*	161593 P257
#LPCI VALVE	FAILS TO CLOSE AT DRESDEN 3*	155294 P225
#CONTROL BUILDING ISOLATION DAMPER	FAILS TO CLOSE AT DUANE ARNOLD*	160457 P 18
#HPCI PUMP MINIMUM FLOW VALVE	FAILS TO CLOSE AT FITZPATRICK*	158301 P276
#RHR CONTAINMENT ISOLATION VALVE	FAILS TO CLOSE AT FITZPATRICK*	158610 P277
#CONTAINMENT ISOLATION VALVE	FAILS TO CLOSE AT FITZPATRICK*	160917 P293
#FIRE DOOR	FAILS TO CLOSE AT HATCH 1*	160486 P340
#HPCI MINIMUM FLOW VALVE	FAILS TO CLOSE AT HATCH 1*	160868 P340
#HPCI MINIMUM FLOW VALVE	FAILS TO CLOSE AT HATCH 2*	154744 P351
#PLANT SERVICE WATER ISOLATION VALVE	FAILS TO CLOSE AT HATCH 2*	156108 P358
#RCIC STEAM SUPPLY LINE ISOLATION VALVE	FAILS TO CLOSE AT HATCH 2*	158643 P370
#HPCI ISOLATION VALVE	FAILS TO CLOSE AT HATCH 2*	158656 P375
#MAIN STEAM ISOLATION VALVE	FAILS TO CLOSE AT HATCH 2*	158245 P380
#RCIC OUTBOARD ISOLATION VALVE	FAILS TO CLOSE AT HATCH 2*	159319 P394
#DRYWELL SUMP ISOLATION VALVE	FAILS TO CLOSE AT MONTICELLO*	161895 P438
#RCIC STEAM SUPPLY VALVE	FAILS TO CLOSE AT PEACH BOTTOM 2*	160122 P460
#MAIN STEAM SAMPLE LINE ISOLATION VALVE	FAILS TO CLOSE AT PEACH BOTTOM 3*	154597 P488
#FEEDWATER FLUSH ISOLATION VALVE	FAILS TO CLOSE AT PEACH BOTTOM 3*	153476 P489
#CONTAINMENT SPRAY OUTBOARD ISOLATION VALVE	FAILS TO CLOSE AT PEACH BOTTOM 3*	159095 P494
#CONTAINMENT ISOLATION VALVE	FAILS TO CLOSE AT PEACH BOTTOM 3*	160137 P495
#CONTAINMENT ISOLATION VALVE	FAILS TO CLOSE AT PEACH BOTTOM 3*	159450 P496
#CONTAINMENT VENTILATION ISOLATION VALVE	FAILS TO CLOSE AT PEACH BOTTOM 3*	159440 P497
#HPCI VALVE	FAILS TO CLOSE AT PEACH BOTTOM 3*	161755 P500
#RCIC ISOLATION VALVE	FAILS TO CLOSE AT PILGRIM 1*	159365 P519
#RCIC OUTBOARD ISOLATION VALVE	FAILS TO CLOSE AT PILGRIM 1*	159536 P519
#MAIN STEAM LINE DRAIN ISOLATION VALVE	FAILS TO CLOSE AT PILGRIM 1*	159280 P520
#NITROGEN PURGE SUPPLY ISOLATION VALVE	FAILS TO CLOSE AT PILGRIM 1*	160212 P526
#CONTAINMENT ISOLATION VALVE	FAILS TO CLOSE AT PILGRIM 1*	160553 P532
#MAIN STEAM ISOLATION VALVE	FAILS TO CLOSE AT QUAD CITIES 1*	158708 P544
#ELECTROMAGNETIC RELIEF VALVE	FAILS TO CLOSE AT QUAD CITIES 1*	160452 P546
#CONTAINMENT OXYGEN ANALYZER VALVE	FAILS TO CLOSE AT QUAD CITIES 2*	153487 P550
#RHR SERVICE WATER VAULT BED PLATE DRAIN VALVE	FAILS TO CLOSE AT QUAD CITIES 2*	153991 P551
#SUPPRESSION POOL COOLING VALVE	FAILS TO CLOSE AT QUAD CITIES 2*	158495 P556
#MSIV	FAILS TO CLOSE AT QUAD-CITIES 1*	156024 P540
#CONTAINMENT ISOLATION NITROGEN VALVE	FAILS TO CLOSE AT QUAD-CITIES 2*	159688 P558
#CONTAINMENT MONITORING ISOLATION VALVE	FAILS TO CLOSE AT VERMONT YANKEE*	156889 P572
#CONTAINMENT SUMP ISOLATION VALVE	FAILS TO CLOSE AT VERMONT YANKEE*	158722 P573
#MAIN STEAM ISOLATION VALVE	FAILS TO CLOSE IN TIME AT COOPER*	163531 P260
#REACTOR WATER CLEANUP SYSTEM ISOLATION VALVE	FAILS TO CLOSE IN TIME AT DUANE ARNOLD*	160835 P 20
#NITROGEN PURGE ISOLATION VALVE	FAILS TO CLOSE IN TIME AT PILGRIM 1*	158840 P513
#PRIMARY VENT VALVE	FAILS TO CLOSE IN TIME AT QUAD-CITIES 2*	161900 P562
#MSIV	FAILS TO CLOSE WITHIN TIME LIMIT AT MONTICELLO*	160209 P436
#RDO SEQUENCE CONTROL SYSTEM	FAILS TO COME INTO SERVICE WHEN REQUIRED AT FITZPATRICK*	155525 P271
#RPS LOGIC RELAY	FAILS TO DEENERGIZE FOLLOWING MSIV CLOSURE AT BRUNSWICK 1*	160864 P154
#MSIV LIMIT SWITCH	FAILS TO DEENERGIZE SCRAM CHANNEL RELAY AT BROWNS FERRY 2*	159162 P 89
#SCRAM DISCHARGE VOLUME	FAILS TO DRAIN AND ALARMS CLEAR AT DRESDEN 3*	158229 P235
#MSIV	FAILS TO FULLY OPEN AT VERMONT YANKEE*	153481 P565
#TORUS LEVEL INSTRUMENT	FAILS TO FUNCTION PROPERLY AT BRUNSWICK 1*	154516 P126
#ECCS LOGIC RELAY	FAILS TO FUNCTION PROPERLY AT PEACH BOTTOM 2*	160333 P481
#TORUS TO DRYWELL VACUUM BREAKER	FAILS TO GIVE OPEN INDICATION AT DRESDEN 2*	160266 P214
#APRN CHANNEL	FAILS TO GO INOPERABLE WITH LESS THAN 11 LFRM INPUTS AT	155299 P353

HATCH 2*

#REACTOR DEPRESSURIZING BATTERY	FAILS	TO HOLD CHARGE AT BIG ROCK POINT*	160072 P 40
#TORUS WATER LEVEL SENSOR	FAILS	TC INDICATE ACTUAL LEVEL AT FITZPATRICK*	159104 P286
#CONTAINMENT ISOLATION VALVE	FAILS	TO INDICATE POSITION AT BRUNSWICK 2*	161654 P196
#APRM	FAILS	TC INITIATE ROD BLOCK AT CRESDEN 3*	159533 P235
#HPCI	FAILS	TO INJECT FOLLOWING SCRAM AT HATCH 1*	163478 P325
#RCIC	FAILS	TC INJECT INTO REACTOR VESSEL AT HATCH 1*	158685 P327
#CONTROL ROD	FAILS	TO INSERT AT BROWNS* FERRY 3*	154896 P103
#HPCI	FAILS	TO ISOLATE AT HATCH 2*	159307 P391
#CONTROL ROD POSITION INDICATOR LIGHT	FAILS	TO LIGHT AT BRUNSWICK 1*	154712 P125
#HYDRAULIC SNUBBER	FAILS	TC LOCK AT OYSTER CREEK*	160235 P461
#SNUBBER	FAILS	TO LOCK IN COMPRESSION DIRECTION AT CYSTER CREEK*	160295 P459
#CORE SPRAY SNUBBER	FAILS	TO LOCK UP AT OYSTER CREEK*	160433 P464
#SHOCK SUPPRESSOR	FAILS	TC LOCK UP AT VERMONT YANKEE*	160897 P577
#HPCI	FAILS	TC MEET FLOW REQUIREMENT DUE TO TRIP AT BROWNS FERRY	158272 P 63
#STANDBY GAS TREATMENT FAN	FAILS	TO MEET FLOW REQUIREMENTS AT HATCH 1*	153740 P300
#RHR SERVICE WATER PUMP	FAILS	TO MEET REQUIREMENTS AT NCNTICELLC*	156879 P434
#RHR SYSTEM	FAILS	TC MEET SAFE SHUTDOWN EARTHQUAKE CRITERIA AT PILGRIM	160490 P527
#ONE PIPING RESTRAINT	FAILS	TO MEET SEISMIC CRITERIA AT BROWNS FERRY 1*	155367 P 53
#STANDBY LIQUID CONTROL RELIEF VALVE	FAILS	TO OPEN AT BRUNSWICK 1*	159199 P 47
#RCIC INJECTION VALVE	FAILS	TO OPEN AT BRUNSWICK 2*	160525 P187
#HPCI TURBINE CONTROL VALVE	FAILS	TC OPEN AT BRUNSWICK 2*	160082 P188
#SERVICE WATER VALVE	FAILS	TC OPEN AT COOPER*	162522 P258
#FIRE HYDRANT	FAILS	TO OPEN AT COOPER*	159246 P253
#WASTE LINE VALVE OPERATION	FAILS	TO OPEN AT COOPER*	162519 P259
#HPCI STEAM SUPPLY VALVE	FAILS	TO OPEN AT DRESDEN 2*	160566 P220
#LPCI INJECTION VALVE	FAILS	TC OPEN AT DRESDEN 3*	166007 P228
#HPCI STEAM SUPPLY VALVE	FAILS	TO OPEN AT DRESDEN 3*	160903 P238
#RCIC TURBINE TRIP AND THROTTLE VALVE	FAILS	TO OPEN AT DUANE ARNOLD*	159059 P 15
#RCIC STEAM SUPPLY LINE VALVE	FAILS	TC OPEN AT DUANE ARNOLD*	160501 P 21
#CORE SPRAY VALVE	FAILS	TC OPEN AT FITZPATRICK*	153729 P266
#CORE SPRAY VALVE	FAILS	TC OPEN AT FITZPATRICK*	154660 P267
#RHR SYSTEM DISCHARGE TO RADWASTE VALVE	FAILS	TC OPEN AT FITZPATRICK*	158300 P276
#CONTAINMENT SPRAY VALVE	FAILS	TC OPEN AT HATCH 1*	156991 P315
#SHUTDOWN COOLING SUCTION VALVE	FAILS	TO OPEN AT HATCH 1*	158754 P321
#RHR INBOARD INJECTION VALVE	FAILS	TO OPEN AT HATCH 1*	159314 P335
#TORUS-DRYWELL VACUUM BREAKER	FAILS	TO OPEN AT HATCH 2*	156143 P355
#MSIV LEAKAGE CONTROL SYSTEM RELAY	FAILS	TC OPEN AT HATCH 2*	156863 P378
#HPCI INJECTION VALVE	FAILS	TC OPEN AT HATCH 2*	159157 P387
#HPCI SUPPRESSION CHAMBER SUCTION VALVE	FAILS	TO OPEN AT HATCH 2*	159317 P390
#TORUS/DRYWELL VACUUM BREAKER	FAILS	TO OPEN AT HATCH 2*	160476 P396
#ELECTROMAGNETIC RELIEF VALVE	FAILS	TO OPEN AT NINE MILE POINT 1*	159511 P443
#ELECTROMAGNETIC RELIEF VALVE	FAILS	TO OPEN AT OYSTER CREEK*	154450 P449
#STANDBY GAS TREATMENT FILTER ASSEMBLY ISOLATION VALVE	FAILS	TO OPEN AT PEACH BOTTOM 2*	161071 P483
#LPCI INJECTION VALVE	FAILS	TC OPEN AT PEACH BOTTOM 3*	155416 P490
#LPCI INJECTION VALVE	FAILS	TC OPEN AT PEACH BOTTOM 3*	156969 P493
#CORE SPRAY PUMP FAILS TO START AND VALVE	FAILS	TC OPEN AT PILGRIM 1*	158613 P508
#RELIEF VALVE	FAILS	TO OPEN AT PILGRIM 1*	159499 P520
#CORE SPRAY VALVE	FAILS	TO OPEN AT PILGRIM 1*	160251 P525
#TARGET ROCK SAFETY RELIEF VALVE	FAILS	TC OPEN AT QUAD CITIES 1*	158751 P544
#CORE SPRAY VALVE	FAILS	TC OPEN AT QUAD CITIES 2*	160067 P559
#RCIC PUMP DISCHARGE VALVE	FAILS	TO OPEN AT QUAD CITIES 2*	161455 P560
#PRESSURE RELIEF VALVE	FAILS	TC OPEN AT QUAD-CITIES 2*	156942 P555
#RHR CONTAINMENT COOLING VALVE	FAILS	TC OPEN AT QUAD-CITIES 2*	160878 P560
#ELECTROMAGNETIC RELIEF VALVE	FAILS	TC OPEN AT QUAD-CITIES 2*	163334 P564
#HPCI STOP VALVE	FAILS	TC OPEN COMPLETELY AT BROWNS FERRY 1*	156211 P 56
#LPCI VALVE	FAILS	TO OPEN FULLY AT QUAD-CITIES 2*	160567 P559
#RECIRCULATION PUMP DISCHARGE VALVE	FAILS	TO OPEN FULLY AT VERMONT YANKEE*	157039 P571
#CRD SCRAM ACCUMULATOR LEVEL SWITCH	FAILS	TO OPERATE AT BROWNS FERRY 1*	155208 P 52
#HPCI VALVE	FAILS	TO OPERATE AT BROWNS FERRY 1*	160179 P 67
#RHR TORUS RETURN VALVE	FAILS	TO OPERATE AT BROWNS FERRY 1*	160155 P 72
#DRYWELL TC TORUS DIFFERENTIAL PRESSURE INDICATOR	FAILS	TC OPERATE AT BROWNS FERRY 2*	154439 P 79
#REACTOR WATER LEVEL SWITCH	FAILS	TC OPERATE AT BROWNS FERRY 2*	154438 P 80
#RECIRC SYSTEM FLOW CONTROL VALVE	FAILS	TO OPERATE AT BROWNS FERRY 2*	154437 P 80
#CORE SPRAY DISCHARGE SWITCH	FAILS	TO OPERATE AT BROWNS FERRY 2*	160285 P 90
#LEVEL INDICATING SWITCH	FAILS	TC OPERATE AT BROWNS FERRY 3*	157715 P107
#INBOARD THROTTLE ISOLATION VALVE	FAILS	TC OPERATE AT COOPER*	159465 P250
#HPCI VALVE	FAILS	TO OPERATE AT DRESDEN 2*	157698 P212
#HPCI VALVE	FAILS	TO OPERATE AT DRESDEN 2*	157686 P213
#HYDROGEN RECOMBINER SYSTEM	FAILS	TO OPERATE AT HATCH 2*	157161 P377
#ROD BLOCK MONITOR	FAILS	TC OPERATE AT HATCH 2*	159594 P384
#REACTOR LO LO LO LEVEL SWITCH	FAILS	TC OPERATE PROPERLY AT FITZPATRICK*	155293 P269
#REACTOR LOW-LOW WATER LEVEL SWITCH	FAILS	TO OPERATE PROPERLY AT QUAD CITIES 1*	155369 P540
#CONTAINMENT TEMPERATURE RECORDER	FAILS	TO PRINT AT HATCH 1*	158688 P328
#RCIC SYSTEM CONDENSATE PUMP	FAILS	TC PUMP PROPERLY AT ARNOLD*	155310 P 4
#DIESEL GENERATOR	FAILS	TO REACH OUTPUT VOLTAGE AT BIG ROCK POINT*	161980 P 43
#RCIC	FAILS	TO REACH RATED FLOW AT BROWNS FERRY 3*	153459 P101
#RCIC	FAILS	TC REACH RATED FLOW AT BROWNS FERRY 3*	153458 P101
#HPCI TURBINE	FAILS	TC REACH RATED SPEED AT VERMONT YANKEE*	156151 P570
#DIESEL GENERATOR	FAILS	TO REACH RATED VOLTAGE AT HATCH 2*	155313 P350
#CORE SPRAY VALVE	FAILS	TO REOPEN DURING TEST AT FITZPATRICK*	154650 P262
#STANDBY GAS TREATMENT TRAIN	FAILS	TO RESET AT BRUNSWICK 1*	156176 P136
#TURBINE CONTROL VALVE CLOSURE SCRAM	FAILS	TC RESET AT DRESDEN 2*	154620 P207
#LPCI LOOP SELECTION PRESSURE SWITCH	FAILS	TC RESET AT DUANE ARNOLD*	159057 P 14
#MAIN STEAM ISOLATION VALVE LIMIT SWITCH	FAILS	TO RESET AT FITZPATRICK*	163403 P296
#RCIC TURBINE	FAILS	TC RESET AT HATCH 2*	159311 P393
#RCIC	FAILS	TC RESPOND TO SPEED CONTROL AT HATCH 1*	159502 P324
#DIESEL GENERATOR	FAILS	TO RESPOND TO VOLTAGE CONTROL AT DUANE ARNOLD*	160801 P 21

#DIESEL GENERATOR	FAILS TO RUN AT BIG ROCK POINT*	161982 P 43
#HPCI AUXILIARY OIL PUMP	FAILS TO RUN AT BRUNSWICK 1*	155552 P131
#HPCI	FAILS TO RUN AT BRUNSWICK 1*	156183 P137
#CONTAINMENT ATMOSPHERIC MONITOR	FAILS TO RUN AT BRUNSWICK 1*	156184 P137
#CONTAINMENT ATMOSPHERE ANALYZER	FAILS TO RUN AT BRUNSWICK 1*	156926 P141
#CONTROL ROD	FAILS TO SCRAM AT NINE MILE POINT 1*	158780 P443
#RHR-SW CHECK VALVE	FAILS TO SEAT AT VERMONT YANKEE*	160297 P576
#CORE SPRAY PUMP	FAILS TO START AND VALVE FAILS TO OPEN AT PILGRIM 1*	158613 P508
#RHR SERVICE WATER PUMP	FAILS TO START AT BRUNSWICK 1*	155555 P129
#RHR SERVICE WATER PUMP	FAILS TO START AT BRUNSWICK 1*	155399 P134
#CONTRCL BUILDING EMERGENCY FILTER FAN	FAILS TO START AT BRUNSWICK 2*	162727 P197
#DIESEL GENERATOR	FAILS TO START AT DRESDEN 3*	157050 P231
#DIESEL GENERATOR	FAILS TO START AT DUANE ARNOLD*	159058 P 15
#DIESEL GENERATOR	FAILS TO START AT HATCH 1*	156975 P311
#DIESEL GENERATOR	FAILS TO START AT HATCH 1*	158683 P325
#RB RADIATION MONITOR SAMPLE PUMP	FAILS TO START AT HATCH 1*	159567 P326
#LPCI PUMP	FAILS TO START AT HATCH 2*	156994 P370
#STANDBY GAS TREATMENT FILTER TRAIN	FAILS TO START AT HATCH 2*	156935 P372
#DIESEL GENERATOR	FAILS TO START AT HATCH 2*	160441 P396
#SERVICE WATER DIESEL GENERATOR	FAILS TO START AT LACROSSE*	160454 P415
#RHR PUMP ROOM COOLER	FAILS TO START AT PEACH BOTTOM 2*	160434 P481
#RHR PUMP ROOM COOLER	FAILS TO START AT PEACH BOTTOM 2*	162488 P487
#RHR PUMP	FAILS TO START AT QUAD-CITIES 2*	160564 P561
#RHR SERVICE WATER PUMPS	FAILS TO START AT VERMONT YANKEE*	155992 P569
#DIESEL GENERATOR	FAILS TO START FOLLOWING LOSS OF SHUTDOWN BOARD AT BROWNS	158727 P 66
#DIESEL GENERATOR	FAILS TO START FROM THE CONTROL ROOM AT QUAD CITIES 1*	156006 P541
#DIESEL GENERATOR	FAILS TO START IN REQUIRED TIME AT HATCH 2*	154574 P348
#DIESEL FIRE/CORE SPRAY PUMP	FAILS TO START IN TIME AT BIG ROCK POINT*	163389 P 44
#DIESEL GENERATOR	FAILS TO START IN TIME AT BRUNSWICK 1*	161075 P156
#DIESEL GENERATOR	FAILS TO START WITHIN SEVEN SECONDS AT HATCH 1*	153506 P297
#HPCI STOP VALVE	FAILS TO STAY OPEN AT BROWNS FERRY 1*	153490 P 46
#DIESEL GENERATOR	FAILS TO SYNCHRONIZE WHILE REDUNDANT DIESEL DOWN AT OYSTER	155999 P455
#DIESEL GENERATOR	FAILS TO TIE INTO BUS AT HATCH 2*	159312 P392
#DIESEL GENERATOR	FAILS TO TIE TO BUS AT HATCH 2*	158298 P366
#RMV BOARD BREAKER	FAILS TO TRANSFER DURING MANUAL TRANSFER AT BROWNS FERRY 2*	156028 P 83
#REACTOR LOW WATER LEVEL SWITCH	FAILS TO TRIP AT BRUNSWICK 1*	154880 P131
#RCIC TRIP AND THROTTLE VALVE	FAILS TO TRIP AT BRUNSWICK 2*	154678 P166
#DIESEL GENERATOR OUTPUT BREAKER	FAILS TO TRIP AT HATCH 2*	158296 P371
#HPCI TURBINE	FAILS TO TRIP ON OVERSPEED AT HATCH 1*	159434 P332
#MAIN STEAM LINE HIGH FLOW SWITCH	FAILS TO TRIP ON SETPOINT AT DRESDEN 3*	158821 P233
#DG	FAILS TO TRIP TO IDLE SPEED FROM LOAD AT BROWNS FERRY 3*	160216 P116
#SOURCE RANGE MONITOR	FAILS TO WITHDRAW AT BRUNSWICK 2*	161602 P184
#CONTROL ROD DRIVE	FAILS TO WITHDRAW AT BRUNSWICK 2*	160047 P185
#CONTROL ROD	FAILS TO WITHDRAW AT MONTICELLO*	160336 P437
#TRAVERSING INCORE PROBE	FAILS TO WITHDRAW AT PEACH BOTTOM 3*	155585 P489
#TIP	FAILS TO WITHDRAW FROM THE CORE ON CONTAINMENT ISOLATION	156161 P554
#POWER SUPPLY FOR RCIC STEAM LEAK DETECTION SYSTEM	FAILS TWICE AT HATCH 2*	154621 P347
#WIND DIRECTION CHANNEL	FAILS UPSCALE AT BROWNS FERRY 1*	154440 P 47
#CONTAINMENT ATMOSPHERE OXYGEN ANALYZER	FAILS UPSCALE AT BRUNSWICK 1*	160205 P150
#CONTAINMENT ATMOSPHERIC MONITOR	FAILS UPSCALE AT BRUNSWICK 2*	153734 P166
#RIVER WATER TRAVELING SCREEN	FAILS WHILE REDUNDANT SYSTEM IS FAILED AT DUANE ARNOLD*	159051 P 14
#DIESEL GENERATOR	FAILS 3 TIMES DURING 24 HOUR LOAD TEST AT PILGRIM 1*	158646 P509
#NO	FAILURE - STATION ORGANIZATION CHANGED AT PILGRIM 1*	160229 P523
#UPDATE REPORT ON SEISMIC MONITOR	FAILURE AT BROWNS FERRY 1, 2, AND 3*	163340 P 73
#BUS TIE BOARD DEENERGIZED DUE TO FEEDER CABLE	FAILURE AT BROWNS FERRY 3*	154683 P103
#UPDATE REPORT ON RCIC FLOW SENSOR	FAILURE AT BRUNSWICK 2*	162713 P189
#UPDATE ON RCIC FLOW INDICATOR	FAILURE AT BRUNSWICK 2*	161945 P189
#UPDATE ON RHR RADWASTE DISCHARGE VALVE	FAILURE AT COOPER*	163481 P250
#UPDATE ON JET PUMPS	FAILURE AT DRESDEN 3*	163597 P226
#UPDATE REPORT ON CONTAINMENT ISOLATION VALVE	FAILURE AT FITZPATRICK*	163365 P278
#UPDATE ON VACUUM BREAKER	FAILURE AT HATCH 2*	163461 P385
#UPDATE ON CONTAINMENT SPRAY VALVE	FAILURE AT PEACH BOTTOM 3*	163583 P494
#UPDATE ON CONTAINMENT ISOLATION VALVE	FAILURE AT PEACH BOTTOM 3*	161975 P496
#UPDATE ON PRESSURE RELIEF VALVE	FAILURE AT QUAD CITIES 2*	163490 P560
#OPERATION WITHIN A SINGLE	FAILURE CRITERIA REGION DISCOVERED AT HATCH 1*	158292 P319
#CAD SYSTEM DOES NOT MEET SINGLE	FAILURE CRITERION AT BRUNSWICK 1 AND 2*	161702 P194
#RHR SERVICE WATER PUMP COOLING DOES NOT MEET SINGLE	FAILURE CRITERION AT HATCH 1*	157123 P314
#UPDATE ON SINGLE	FAILURE CRITERION VIOLATION BY SW VALVE AT HATCH 2*	163451 P363
#SET POINT DRIFT AND	FAILURE OF AVERAGE POWER RANGE MONITORS IN ONE CHANNEL AT	158627 P280
#UPDATE ON	FAILURE OF 76 CONTROL RODS TO INSERT AT BROWNS FERRY 3*	163405 P111
#UPDATE REPORT ON RCIC ISOLATION VALVE	FAILURE TO CLOSE AT PEACH BOTTOM 2*	161960 P480
#UPDATE REPORT ON TEMPERATURE RECORDER	FAILURES AT BROWNS FERRY 1, 2, AND 3*	163341 P 74
#ROD BLOCK MONITOR DISABLED DUE TO LPRM	FAILURES AT FITZPATRICK*	158633 P280
#MULTIPLE INTERMEDIATE RANGE MONITOR	FAILURES AT FITZPATRICK*	159380 P289
#UPDATE REPORT ON INTERMEDIATE RANGE MONITOR	FAILURES AT FITZPATRICK*	163363 P289
#MULTIPLE HPCI TURBINE EXHAUST LINE SNUBBER	FAILURES AT PILGRIM 1*	160187 P522
#VACUUM BREAKER	FAILURES FORCE SHUTDOWN AT HATCH 2*	160100 P389
#MULTIPLE HPCI AND RCIC	FAILURES OCCUR AT PILGRIM 1*	159600 P510
#NITROGEN STORAGE TANK CONTENTS	FALL BELOW LIMIT AT HATCH 1*	162741 P344
#FLOW THROUGH RHR PUMP SEAL COOLERS	FALLS BELOW LIMIT AT BROWNS FERRY 3*	155503 P105
#COOLING WATER FLOW TO RHR PUMP SEAL	FALLS BELOW LIMIT AT BROWNS FERRY 3*	159393 P114
#CONTAINMENT ATMOSPHERE DILUTION TANK VOLUME	FALLS BELOW LIMIT AT BRUNSWICK 1*	158658 P145
#SLC PUMP FLOW	FALLS BELOW LIMIT AT COOPER*	156149 P244
#TORUS WATER LEVEL	FALLS BELOW LIMIT AT DUANE ARNOLD*	159215 P 13
#INSTRUMENT AC UNDERVOLTAGE RELAY SETPOINT	FALLS BELOW LIMIT AT DUANE ARNOLD*	163373 P 24
#DRYWELL TO TORUS DIFFERENTIAL PRESSURE	FALLS BELOW LIMIT AT FITZPATRICK*	155305 P270
#CRYWELL TO TORUS DIFFERENTIAL PRESSURE	FALLS BELOW LIMIT AT FITZPATRICK*	157084 P275

#TORUS WATER LEVEL	FALLS BELOW LIMIT AT FITZPATRICK*	158604	P282
#SERVICE WATER PUMP FLOW RATE	FALLS BELOW LIMIT AT HATCH 1*	158601	P318
#NITROGEN TANK LEVEL	FALLS BELOW LIMIT AT HATCH 1*	161950	P341
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#DIESEL DRIVEN FIRE PUMP FLOWRATE	FALLS BELOW LIMIT AT PEACH BOTTOM 2*	155382	P476
#DRYWELL TO TORUS DIFFERENTIAL PRESSURE	FALLS BELOW LIMIT TOO LONG AT VERMONT YANKEE*	159171	P574
#CARDON TANK PRESSURE	FALLS BELOW LIMIT WITHOUT ANNUNCIATION AT NINE MILE POINT 1	158593	P442
#DRYWELL SUMP FLOW TRANSMITTER	FALLS OFF AT BROWNS FERRY 3*	159492	P109
#DRYWELL/TORUS DIFFERENTIAL PRESSURE	FALLS TOO LOW AT HATCH 1*	156953	P315
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#RHR FLOW INDICATOR GIVES	FALSE READINGS AT BRUNSWICK 1*	160159	P152
#DRYWELL HYDROGEN OXYGEN ANALYZER GIVES	FALSE READINGS AT HATCH 2*	159310	P393
#STANDBY GAS TREATMENT	FAN FAILS TO MEET FLOW REQUIREMENTS AT HATCH 1*	153740	P300
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#CONTROL ROOM CHLORINE MONITOR	FAN INOPERABLE AT HATCH 1*	160810	P339
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#RHR AREA COOLER	FAN THERMAL OVERLOAD TRIPS AT BROWNS FERRY 1*	159407	P 69
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#STANDBY GAS TREATMENT	FAN TRIPS ON OVERLOAD AT OYSTER CREEK*	159328	P462
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#MAIN STEAM ISOLATION VALVE CLOSING TOO	FAST AT BROWNS FERRY 3*	160080	P116
#MSIV CLOSING TIME TOO	FAST AT COOPER*	159467	P250
#CONTROL VALVE	FAST CLOSURE PRESSURE SWITCH MISWIRED AT BROWNS FERRY 1*	158295	P 65
#MAIN TURBINE CONTROL VALVE	FAST CLOSURE RELAY FAILS AT BRUNSWICK 2*	161070	P183
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OF THREE MAIN STEAM ISOLATION VALVES EXCEED LIMIT AT BROWNS	FERRY 1.*	154617	P 48
FOUND IN REACTOR WATER CLEAN-UP SYSTEM WELD AT BROWNS	FERRY 1.*	154615	P 48
#HPCI STOP VALVE FAILS TO STAY OPEN AT BROWNS	FERRY 1*	153490	P 46
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#CONTROL ROD DRIVE ACCUMULATOR LEVEL SWITCH FAILS AT BROWNS	FERRY 1*	155296	P 49
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#OFFSITE POWER LOST AT BROWNS	FERRY 1*	155528	P 54
#ONE OFFSITE POWER LINE FAILS AT BROWNS	FERRY 1*	156026	P 54
#TOTAL CONTAINMENT LEAK RATE EXCEEDS LIMIT AT BROWNS	FERRY 1*	155532	P 55
#HPCI REACTOR HIGH WATER LEVEL TRIP INOPERABLE AT BROWNS	FERRY 1*	156011	P 55
#ATHENS 161 KV LINE TRIPS AT BROWNS	FERRY 1*	156013	P 55
#RHR INJECTION VALVE FAILS TO CLOSE AT BROWNS	FERRY 1*	156014	P 56
#HPCI STOP VALVE FAILS TO OPEN COMPLETELY AT BROWNS	FERRY 1*	156211	P 56
#RHR SERVICE WATER PUMP TIMER OUT OF TOLERANCE AT BROWNS	FERRY 1*	156212	P 56
#HPCI TURBINE TRIPS AT BROWNS	FERRY 1*	157033	P 57
#FEEDER BUS FAULT TRIPS RECIRCULATION PUMP AT BROWNS	FERRY 1*	156960	P 58
#RADIATION MONITOR FAILS AT BROWNS	FERRY 1*	156946	P 58
#LPCI LOOP LOSES POWER AT BROWNS	FERRY 1*	157017	P 59
#THREE RWCU ISOLATION VALVES FAIL TO CLOSE AT BROWNS	FERRY 1*	156878	P 59
#RECIRCULATION PUMP LOW OIL LEVEL ALARM SHORTS AT BROWNS	FERRY 1*	156860	P 59
#RECIRCULATION PUMP MOTOR GENERATOR TRIPS AT BROWNS	FERRY 1*	156862	P 60
#RCIC TURBINE TRIPS AT BROWNS	FERRY 1*	156961	P 60
#HALOGEN DETECTOR FAILS AT BROWNS	FERRY 1*	157167	P 60
#UNQUALIFIED CAM SYSTEM INSTALLED AT BROWNS	FERRY 1*	156945	P 61
#DRYWELL SAMPLE ISOLATION VALVE FAILS TO CLOSE AT BROWNS	FERRY 1*	156631	P 62
#SMOKE DETECTOR ALARMS AT BROWNS	FERRY 1*	163460	P 62
#RHR HEAT EXCHANGER LEAKS AT BROWNS	FERRY 1*	157168	P 63
#HPCI FAILS TO MEET FLOW REQUIREMENT DUE TO TRIP AT BROWNS	FERRY 1*	158272	P 63
#DRYWELL AIR SAMPLING PUMP FAILS AT BROWNS	FERRY 1*	157738	P 64
#A SENSING LINE ON THE MAIN FIRE HEADER LEAKS AT BROWNS	FERRY 1*	157737	P 64
#RHR HEAT EXCHANGER LEAKS AT BROWNS	FERRY 1*	158710	P 64

#SCRAM DISCHARGE VOLUME HIGH LEVEL SWITCH FAILS AT BROWNS	FERRY 1*	158293 P 65
#HPCI VALVE FAILS TO OPERATE AT BROWNS	FERRY 1*	160179 P 67
#LINEAR HEAT GENERATION RATE EXCEEDED AT BROWNS	FERRY 1*	159212 P 67
#TEST NOT PERFORMED AT BROWNS	FERRY 1*	159449 P 67
#OFF SITE ELECTRIC POWER LINE TRIPS AT BROWNS	FERRY 1*	159267 P 68
#RRHR AREA COOLER FAN THERMAL OVERLOAD TRIPS AT BROWNS	FERRY 1*	159407 P 69
#TURBINE BUILDING ROOF VENT MONITOR FAILS AT BROWNS	FERRY 1*	159405 P 69
#WIND DIRECTION INDICATOR FAILS AT BROWNS	FERRY 1*	160225 P 70
#TORUS HYDROGEN MONITOR ANNUNCIATES SPURIOUSLY AT BROWNS	FERRY 1*	160305 P 71
#FIRE PROTECTION SYSTEMS NOT INSPECTED AT BROWNS	FERRY 1*	160218 P 71
#MODULATING DAMPER FAILS TO CLOSE AT BROWNS	FERRY 1*	160214 P 71
#REACTOR BUILDING VENTILATION MONITOR FAILS AT BROWNS	FERRY 1*	160157 P 72
#RRHR TORUS RETURN VALVE FAILS TO OPERATE AT BROWNS	FERRY 1*	160155 P 72
#RIVER WATER TEMPERATURE RISE EXCEEDS LIMIT AT BROWNS	FERRY 1*	160156 P 73
#SEISMIC MONITOR INOPERABLE AT BROWNS	FERRY 1*	160516 P 73
#RCIC VALVE POSITION INDICATION LOST AT BROWNS	FERRY 1*	160905 P 74
#AIR TEMPERATURE RECORDER FAILED AT BROWNS	FERRY 1*	160906 P 74
#SERVICE WATER PIPING SUPPORTS DEGRADED AT BROWNS	FERRY 1*	160515 P 75
#LINEAR HEAT GENERATION RATE EXCEEDED AT BROWNS	FERRY 1*	161888 P 75
#HPCI EGR ACTUATOR GROUNDED AT BROWNS	FERRY 1*	161453 P 75
#FIRE PROTECTION VALVE LEAKS AT BROWNS	FERRY 1*	160570 P 76
#DRYWELL EXHAUST SOLENOID COIL NOT QUALIFIED AT BROWNS	FERRY 1*	161892 P 76
#DRYWELL PRESSURE TRANSMITTERS NOT QUALIFIED AT BROWNS	FERRY 1*	161893 P 76
#DIFFERENTIAL RIVER TEMPERATURE EXCEEDS LIMIT AT BROWNS	FERRY 1*	161754 P 78
#CONTROL ROD UNCOUPLED FROM DRIVE AT BROWNS	FERRY 1*	163339 P 78
#SET POINT DRIFT IN CORE SPRAY SWITCH AT BROWNS	FERRY 1*	163338 P 78
#DIESEL GENERATOR BREAKER TRIPS AT BROWNS	FERRY 1*	163337 P 79
VENTILATION SYSTEM ISOLATION CHANNEL RELAYS FAILS AT BROWNS	FERRY 1*	154919 P 49
CORE SPRAY PUMP DISCHARGE SWITCH EXCEEDS SETPOINT AT BROWNS	FERRY 1*	158269 P 63
WATER FLOWS THROUGH CORE SPRAY SYSTEM ROOM COOLER AT BROWNS	FERRY 1*	#NO 157700 P 62
SCRAM ACCUMULATOR LEVEL SWITCH FAILS TO OPERATE AT BROWNS	FERRY 1*	#CRO 155208 P 52
PIPING RESTRAINT FAILS TO MEET SEISMIC CRITERIA AT BROWNS	FERRY 1*	#CNE 155367 P 53
TIMING TEST PERFORMED WITH WRONG RCS PRESSURE AT BROWNS	FERRY 1*	#SCRAM 157046 P 57
VALVE FAST CLOSURE PRESSURE SWITCH MISWIRED AT BROWNS	FERRY 1*	#CONTROL 158295 P 65
TOWER TRANSFORMER FEEDER BREAKERS FAIL TO CLOSE AT BROWNS	FERRY 1*	#COOLING 161794 P 77
BUILDING VENTILATION SAMPLES NOT TAKEN ON TIME AT BROWNS	FERRY 1*	#TURBINE 159404 P 70
BOARD ALTERNATE FEED BREAKER FAILS TO CLOSE AT BROWNS	FERRY 1*	#SHUTDOWN 155524 P 53
DRIFT IN HPCI STEAM LINE SPACE TEMPERATURE SWITCH AT BROWNS	FERRY 1*	#SET POINT 161796 P 77
PUMP AREA COOLER FAN THERMOSTAT SET ABOVE LIMIT AT BROWNS	FERRY 1*	#CORE SPRAY 159399 P 68
IN HPCI TURBINE COUPLING BEARING SUPPORT PEDESTAL AT BROWNS	FERRY 1*	#CRACK FOUND 155292 P 50
GENERATION RATE LIMIT EXCEEDED IN THREE NODES AT BROWNS	FERRY 1*	#LINEAR HEAT 159192 P 66
LOADED 90 DEGREES FROM PROPER ORIENTATION AT BROWNS	FERRY 1*	#FUEL ASSEMBLY 160447 P 72
STEAM LINE SPARE TEMPERATURE SWITCH INSTALLED AT BROWNS	FERRY 1*	#INCORRECT HPCI 157030 P 58
FAILS TO START FOLLOWING LOSS OF SHUTDOWN BOARD AT BROWNS	FERRY 1*	#DIESEL GENERATOR 158727 P 66
RADIATION MONITOR TEST NOT PERFORMED ON TIME AT BROWNS	FERRY 1*	#REACTOR BUILDING 154918 P 50
WATER PIPING SEISMIC RESTRAINTS NOT INSTALLED AT BROWNS	FERRY 1*	#RB CLOSED COOLING 154610 P 48
FROM RECIRC LINE BREAK MIGHT DAMAGE RBCCW PIPING AT BROWNS	FERRY 1*	#WATER IMPINGEMENT 155207 P 61
TURBINE FIRST STAGE PRESSURE PERMISSIVE SWITCHES AT BROWNS	FERRY 1*	#SET POINT DRIFT IN 159418 P 68
FOUND ON TWO SPARE LINES PENETRATING CONTAINMENT AT BROWNS	FERRY 1*	#ONLY ONE ISOLATION VALVE 155209 P 52
RCIC TURBINE OVERSPEED ASSEMBLIES DAMAGED AT BROWNS	FERRY 1*	#ELECTRICAL AND MECHANICAL 155595 P 51
#UPDATE ON HYDROGEN SENSOR QUALIFICATIONS AT BROWNS	FERRY 1, 2 AND 3*	163568 P 61
#UPDATE REPORT ON LCST WIND DIRECTION INDICATION AT BROWNS	FERRY 1, 2 AND 3*	161868 P 70
#UPDATE REPORT ON SEISMIC MONITOR FAILURE AT BROWNS	FERRY 1, 2, AND 3*	163340 P 73
#UPDATE REPORT ON TEMPERATURE RECORDER FAILURES AT BROWNS	FERRY 1, 2, AND 3*	163341 P 74
#REACTOR WATER LEVEL SWITCH FAILS TO OPERATE AT BROWNS	FERRY 2*	154438 P 80
#MOMENTARY BREACH OF SECONDARY CONTAINMENT OCCURS AT BROWNS	FERRY 2*	155206 P 81
#SET POINT DRIFT IN REACTOR WATER LEVEL SWITCH AT BROWNS	FERRY 2*	155205 P 81
#LIQUID LEVEL SWITCHES FAIL TO OPERATE PROPERLY AT BROWNS	FERRY 2*	155204 P 81
#RECIRCULATION PUMP TRIPS AT BROWNS	FERRY 2*	155592 P 82
#STEAM LINE RADIATION MONITOR FAILS DOWNSCALE AT BROWNS	FERRY 2*	155488 P 83
#SHUTDOWN EXTENDED BY ADMINISTRATIVE DECISION AT BROWNS	FERRY 2*	156029 P 84
#ONE OFFSITE POWER LINE FAILS AT BROWNS	FERRY 2*	156031 P 84
#RRHR NOT PROPERLY TESTED AT BROWNS	FERRY 2*	155457 P 85
#ROD BLOCK MONITOR BYPASSED TOO LONG AT BROWNS	FERRY 2*	156015 P 85
#HPCI TURBINE TRIPS DURING TESTING AT BROWNS	FERRY 2*	156017 P 86
#REACTOR RECIRCULATION MOTOR-GENERATOR SET TRIPS AT BROWNS	FERRY 2*	156213 P 86
#APRM FLOW SIGNAL IS HIGHER THAN ACTUAL FLOW AT BROWNS	FERRY 2*	157042 P 86
#SET POINT DRIFT IN REACTOR PRESSURE SWITCH AT BROWNS	FERRY 2*	156948 P 87
#AIR PARTICULATE CHANNEL RECORDER FAILS AT BROWNS	FERRY 2*	158632 P 87
#REACTOR RECIRCULATION MG SET TRIPPED AT BROWNS	FERRY 2*	157736 P 88
#CONTROL ROD DRIFTS OUT AT BROWNS	FERRY 2*	158725 P 88
#CRACKS FOUND IN SAFETY VALVE GUIDE AT BROWNS	FERRY 2*	157735 P 89
#BREAKER TO REACTOR MOV BOARD TRIPS AT BROWNS	FERRY 2*	158747 P 89
#CORE SPRAY DISCHARGE SWITCH FAILS TO OPERATE AT BROWNS	FERRY 2*	160285 P 90
#LINEAR HEAT GENERATION RATE NOT CHECKED AT BROWNS	FERRY 2*	159337 P 91
#HPCI TURBINE RUPTURE DISC FAILS AT BROWNS	FERRY 2*	159340 P 91
#RRHR HEAT EXCHANGER LEAKS AT BROWNS	FERRY 2*	159398 P 92
#RRHR HEAT EXCHANGER LEAKS AT BROWNS	FERRY 2*	160302 P 92
#RRHR CHECK VALVE LEAKS AT BROWNS	FERRY 2*	159395 P 92
#DRYWELL HYDROGEN MONITORS FAIL TO CALIBRATE AT BROWNS	FERRY 2*	160213 P 93
#FUEL ASSEMBLIES MISORIENTED AT BROWNS	FERRY 2*	160298 P 93
#UPDATE ON MISORIENTED FUEL ASSEMBLIES AT BROWNS	FERRY 2*	163596 P 93
#HPCI CHECK VALVE LEAK RATE EXCEEDS LIMIT AT BROWNS	FERRY 2*	160092 P 94
#DRYWELL CONTROL AIR VALVE FAILS TO CLOSE AT BROWNS	FERRY 2*	160154 P 94
#FUEL SHUFFLING ERROR AT BROWNS	FERRY 2*	160496 P 95
#MAIN STEAM ISOLATION VALVES EXCEED LEAK RATE AT BROWNS	FERRY 2*	160921 P 95
#17 SCRAM ACCUMULATOR LEVEL SWITCHES INOPERABLE AT BROWNS	FERRY 2*	160907 P 95

#SECONDARY CONTAINMENT INTEGRITY VIOLATED AT BROWNS FERRY 2*	161894 P 96
#EXCESS FLOW CHECK VALVE MISSING INTERNALS AT BROWNS FERRY 2*	161452 P 96
#DISCHARGE CHLORINE CONCENTRATION EXCEEDS LIMIT AT BROWNS FERRY 2*	163470 P 97
#CCW PUMPS INOPERABLE DURING CHLORINATION AT BROWNS FERRY 2*	161451 P 97
#DRYWELL PRESSURE TRANSMITTER NOT QUALIFIED AT BROWNS FERRY 2*	161640 P 98
#CONTAINMENT LEAK RATE EXCEEDS LIMIT AT BROWNS FERRY 2*	161792 P 98
#THREE INTERMEDIATE RANGE MONITORS INOPERABLE AT BROWNS FERRY 2*	161833 P 98
#INCORRECT SET POINT IN REACTOR LEVEL SWITCH AT BROWNS FERRY 2*	161866 P 99
#SCRAM DISCHARGE VOLUME LEVEL SWITCH INOPERABLE AT BROWNS FERRY 2*	161864 P 99
#REFUEL INTERLOCK SWITCH JAMS AT BROWNS FERRY 2*	161863 P100
RECIRC SYSTEM FLOW CONTROL VALVE FAILS TO OPERATE AT BROWNS FERRY 2*	# 154437 P 80
REACTOR LOW WATER LEVEL SWITCH SETPOINT INCORRECT AT BROWNS FERRY 2*	# 159685 P 90
SET POINT DRIFT IN REACTOR HIGH PRESSURE SWITCHES AT BROWNS FERRY 2*	# 159336 P 90
MAIN STEAM RELIEF VALVES FAIL TO ACTUATE PROPERLY AT BROWNS FERRY 2*	# 160153 P 94
POINT DRIFT IN MAINSTEAM LINE HIGH FLOW SWITCH AT BROWNS FERRY 2*	# 153489 P 79
OPERABLE RECIRCULATION PUMP ACCIDENTALLY TRIPPED AT BROWNS FERRY 2*	#SET 155594 P 82
MANUAL OPERATION OF A RELAY TRIPS RECIRC PUMP AT BROWNS FERRY 2*	#ONLY 155365 P 82
ZONE IMBARD ISOLATION TIME DELAY RELAY FAILS AT BROWNS FERRY 2*	#ERRONEOUS 161365 P 96
SWITCH FAILS TO DEENERGIZE SCRAM CHANNEL RELAY AT BROWNS FERRY 2*	#REFUELING 159162 P 89
BREAKER FAILS TO TRANSFER DURING MANUAL TRANSFER AT BROWNS FERRY 2*	#MSIV LIMIT 156028 P 83
SENSED BY MAIN STEAM LINE PRESSURE SENSOR AT BROWNS FERRY 2*	#RMOV BOARD 156337 P 85
OCCURS ON TURBINE PRESSURE PERMISSIVE SWITCHES AT BROWNS FERRY 2*	#LOW PRESSURE 157743 P 88
IN HPCI TURBINE COUPLING BEARING SUPPORT PEDESTAL AT BROWNS FERRY 2*	#SET POINT DRIFT 155489 P 83
DIFFERENTIAL PRESSURE INDICATOR FAILS TO OPERATE AT BROWNS FERRY 2*	#CRACK DISCOVERED 154439 P 79
#UPDATE REPORT ON DRYWELL EQUIPMENT MATCH LEAK AT BROWNS FERRY 3*	#DRYWELL TG TORIS 154590 P100
#DRYWELL EQUIPMENT HATCH DOOR LEAKS AT BROWNS FERRY 3*	153460 P101
#RCIC FAILS TO REACH RATED FLOW AT BROWNS FERRY 3*	153459 P101
#RCIC FAILS TO REACH RATED FLOW AT BROWNS FERRY 3*	153458 P101
#SET POINT DRIFT IN APRM CHANNEL AT BROWNS FERRY 3*	153457 P102
#SET POINT DRIFT IN REACTOR PRESSURE SWITCHES AT BROWNS FERRY 3*	153456 P102
#CONTROL ROD FAILS TO INSERT AT BROWNS FERRY 3*	154896 P103
#RHR VALVE FOUND INOPERABLE AT BROWNS FERRY 3*	155341 P104
#DIESEL GENERATOR FAILS AT BROWNS FERRY 3*	157009 P105
#MAIN STEAM ISOLATION SWITCHES FAIL TO OPERATE AT BROWNS FERRY 3*	158235 P106
#REACTOR WATER LEVEL SWITCHES FAIL AT BROWNS FERRY 3*	158537 P107
#LEVEL INDICATING SWITCH FAILS TO OPERATE AT BROWNS FERRY 3*	157715 P107
#FIRE PROTECTION ZONE NOT TESTED ON TIME AT BROWNS FERRY 3*	158596 P109
#SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT BROWNS FERRY 3*	157716 P109
#DRYWELL SUMP FLOW TRANSMITTER FALLS OFF AT BROWNS FERRY 3*	159492 P109
#DG AUXILIARY OIL PUMP MOTOR TRIPS OUT AT BROWNS FERRY 3*	159490 P110
#RCIC TURBINE TRIPS AT BROWNS FERRY 3*	159488 P110
#SAFETY VALVE GUIDE CRACKS AT BROWNS FERRY 3*	159484 P111
#72 OF 185 CONTROL RODS FAIL TO FULLY INSERT AT BROWNS FERRY 3*	158291 P111
#UPDATE ON FAILURE OF 76 CONTROL RODS TO INSERT AT BROWNS FERRY 3*	163405 P111
#DAMAGED HEAT DETECTOR CAUSES FALSE ALARM AT BROWNS FERRY 3*	158682 P112
#RCIC MINIMUM FLOW BYPASS VALVE FAILS TO CLOSE AT BROWNS FERRY 3*	159416 P112
#RHR PUMP MOTOR TRIPS AT BROWNS FERRY 3*	159650 P113
#MALPHGR LIMITS CALCULATED INCORRECTLY AT BROWNS FERRY 3*	159352 P113
#RHR HEAT EXCHANGER ON CROSSTIE LEAKS AT BROWNS FERRY 3*	159391 P115
#REACTOR RECIRCULATION PUMP TRIPS AT BROWNS FERRY 3*	160126 P115
#DG FAILS TO TRIP TO IDLE SPEED FROM LOAD AT BROWNS FERRY 3*	160216 P116
#HYDROGEN MONITOR FAILS TO CALIBRATE AT BROWNS FERRY 3*	160330 P116
#MAIN STEAM ISOLATION VALVE CLOSING TOO FAST AT BROWNS FERRY 3*	160080 P116
#REACTOR SCRAMS WHEN BREAKER FAILS TO CLOSE AT BROWNS FERRY 3*	160152 P117
#DIESEL GENERATOR LUBE OIL PUMP INOPERABLE AT BROWNS FERRY 3*	161683 P117
#SWITCHGEAR BREAKERS TRIP AT BROWNS FERRY 3*	161682 P117
#SET POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCH AT BROWNS FERRY 3*	161598 P118
#CRIFT IN POWER RANGE MONITOR AT BROWNS FERRY 3*	161633 P118
#DRYWELL PRESSURE TRANSMITTER NOT QUALIFIED AT BROWNS FERRY 3*	161599 P119
#SET POINT DRIFT IN PRESSURE SWITCH AT BROWNS FERRY 3*	161620 P119
#HYDRAULIC ACCUMULATOR AIR VALVE BROKEN OFF AT BROWNS FERRY 3*	161621 P119
#CORE SPRAY COOLER INOPERABLE AT BROWNS FERRY 3*	161619 P120
#RHR PUMP TRIPS ON OVERCURRENT AT BROWNS FERRY 3*	161959 P120
#DRYWELL HYDROGEN SENSOR FAILS TO CALIBRATE AT BROWNS FERRY 3*	161935 P121
#SET POINT DRIFT IN RECIRCULATION VALVE SWITCH AT BROWNS FERRY 3*	161934 P122
TIE BOARD DEENERGIZED DUE TO FEEDER CABLE FAILURE AT BROWNS FERRY 3*	#BUS 154683 P103
PUMP AREA COOLER FAN THERMAL OVERLOAD RELAY FAILS AT BROWNS FERRY 3*	#RHR 159389 P115
THROUGH RHR PUMP SEAL COOLERS FALLS BELOW LIMIT AT BROWNS FERRY 3*	#FLOW 155503 P105
TRIPPED ON OVERSPEED DUE TO LOSS OF SPEED CONTROL AT BROWNS FERRY 3*	#RCIC 157436 P107
SPEED FEEDBACK MAGNETIC PICKUP CONNECTOR FAILS AT BROWNS FERRY 3*	#RCIC 160115 P114
WATER FLOW TO RHR PUMP SEAL FALLS BELOW LIMIT AT BROWNS FERRY 3*	#COOLING 159393 P114
WATER CLEAN-UP ISOLATION VALVE FAILS TO CLOSE AT BROWNS FERRY 3*	#REACTOR 156965 P106
LIQUID CONTROL PUMP BREAKER TRIPS INADVERTENTLY AT BROWNS FERRY 3*	#STANDBY 161936 P121
FIRST STAGE PRESSURE SWITCH SET POINTS HIGH AT BROWNS FERRY 3*	#TURBINE 159245 P114
EQUIPMENT COOLING WATER VALVE FAILS CLOSED AT BROWNS FERRY 3*	#EMERGENCY 161821 P120
DRIFT IN RCIC REACTOR WATER LEVEL TRIP SWITCH AT BROWNS FERRY 3*	#SET POINT 159284 P113
ISOLATION VALVES LOSE POWER AND TRANSFER CLOSED AT BROWNS FERRY 3*	#CONTAINMENT 157005 P106
BOARD DEENERGIZED AND RESTORED TO NORMAL FEEDER AT BROWNS FERRY 3*	#4160V BUS TIE 155391 P104
RECLOSED FOLLOWING RESTORATION OF OFFSITE POWER AT BROWNS FERRY 3*	#FEEDER BREAKER NOT 156072 P105
SYSTEM CONTROL VALVE TRIPS IN MID-POSITION AT BROWNS FERRY 3*	#RESIDUAL HEAT REMOVAL 154707 P103
CHAMBER DIFFERENTIAL PRESSURE OUT OF LIMITS AT BROWNS FERRY 3*	#DRYWELL TO SUPPRESSION 153461 P100
WATER LINE FOR RHR PUMP SEAL HEAT EXCHANGER AT BROWNS FERRY 3*	#RESTRICTION IN COOLING 157437 P108
WATER LINE FOR DIESEL GENERATOR HEAT EXCHANGER AT BROWNS FERRY 3*	#RESTRICTION IN COOLING 157438 P108
AND PRESSURE SWITCHES HAVE SETPOINT DRIFT AT BROWNS FERRY 3*	#TURBINE PRESSURE PERMISSIVE 159108 P110
#RIVER TEMPERATURE EXCEEDS LIMIT AT BROWNS FERRY 3*	158700 P 66
#BOTH RHR ROOM COOLERS INOPERABLE FOR FIFTEEN MINUTES AT BRUNSWICK 2*	155530 P175
#DESIGN DEFICIENCY FOUND IN TORUS GRAVITY FILL VALVE AT HATCH 2*	154946 P349

DESCRIPTION	STATUS	TIME
CONTAINMENT	OK	160871 P446
OFF GAS STACK	OK	154675 P 26
BOTTOM 2*	STANDBY GAS TREATMENT	161071 P483
	PRESSURE DROP ACROSS HEPA	160520 P466
	CONTROL BUILDING EMERGENCY	162727 P197
	CONTROL ROOM	157121 P313
	STANDBY GAS TREATMENT	156935 P372
ARNOLD*	CARBON LOST FROM	156986 P365
	STACK	159069 P 27
	FIRE ALARM INADVERTENTLY GOES OFF AT PILGRIM 1*	154899 P 505
	FIRE ALARM INADVERTENTLY TRIPS AT PILGRIM 1*	155395 P501
	FIRE BARRIER PENETRATION SEAL INTO CONTROL ROOM BREACHED	159304 P393
AT HATCH 2*	FIRE BARRIERS FOUND AND FIRE WATCH NOT ESTABLISHED AT	158250 P457
OYSTER CREEK*	FIRE CHECK AT AUXILIARY OFF GAS BUILDING MISSED AT PILGRIM	159523 P516
1*	FIRE DETECTION ALARMS INOPERABLE AT PILGRIM 1*	161596 P530
	FIRE DETECTION SYSTEM INOPERABLE AT FITZPATRICK*	161992 P299
	FIRE DETECTOR ALARMS IN HPCI QUADRANT AT PILGRIM 1*	159552 P512
	FIRE DETECTORS FAIL TO ALARM AT PILGRIM 1*	159083 P516
	FIRE DETECTORS FAIL TO ALARM AT PILGRIM 1*	159268 P520
	FIRE DETECTORS INOPERABLE IN A 2CKE AT BRUNSWICK 2*	155396 P204
	FIRE DOOR CLOSERS NOT REPAIRED IN TIME AT BRUNSWICK 1 AND 2	162412 P160
	FIRE DOOR FAILS TO CLOSE AT HATCH 1*	160486 P340
	FIRE DOORS FAIL TEST AT HATCH 1*	160846 P341
	FIRE DOORS FAIL TO CLOSE AT FITZPATRICK*	154651 P262
	FIRE DOORS NOT RETURNED TO SERVICE IN TIME AT BRUNSWICK 2*	162429 P205
	FIRE HEADER LEAKS AT BROWNS FERRY 1*	157733 P 447
	FIRE HYDRANT FAILS TO OPEN AT CCCPER*	159246 P253
TRAINS AT PILGRIM 1*	FIRE IN SOME ELECTRICAL RACEWAYS COULD EFFECT REDUNDANT	154694 P502
BRUNSWICK 2*	FIRE PROTECTION ALARM ANNUNCIATES AND WON'T RESET AT	158303 P204
	FIRE PROTECTION DELUGE VALVE TRIPS AT BRUNSWICK 1*	162414 P160
	FIRE PROTECTION PIPE SUPPORTS INSTALLED AT HATCH 1*	162742 P344
	FIRE PROTECTION PUMP REMOVED FROM SERVICE AT FITZPATRICK*	158302 P276
	FIRE PROTECTION SYSTEM FAILED AT OYSTER CREEK*	160263 P459
	FIRE PROTECTION SYSTEM FAILS AT PILGRIM 1*	157021 P508
	FIRE PROTECTION SYSTEM FLUSH LOST AT DRESDEN 2*	160461 P219
	FIRE PROTECTION SYSTEM INOPERABLE AT FITZPATRICK*	161799 P293
	FIRE PROTECTION SYSTEM REMOVED FROM SERVICE AT OYSTER CREEK	155996 P454
	FIRE PROTECTION SYSTEM VALVE TESTS NOT PERFORMED ON TIME	154738 P354
	FIRE PROTECTION SYSTEMS NOT INSPECTED AT BROWNS FERRY 1*	160218 P 71
	FIRE PROTECTION VALVE LEAKS AT BROWNS FERRY 1*	160570 P 76
	FIRE PROTECTION ZONE NOT TESTED ON TIME AT BROWNS FERRY 3*	158596 P109
	FIRE PUMP BATTERY HAS LOW SPECIFIC GRAVITY AT FITZPATRICK*	159496 P284
	FIRE PUMP BOILS OVER FOLLOWING SHUTDOWN AT FITZPATRICK*	153727 P267
	FIRE PUMP DAY TANK SAMPLES NOT TAKEN AT DRESDEN 2*	160361 P218
	FIRE PUMP FAILS AT OYSTER CREEK*	162433 P473
	FIRE PUMP FLOW INADEQUATE AT PILGRIM 1*	161907 P535
	FIRE PUMP FLOWRATE FALLS BELOW LIMIT AT PEACH BOTTOM 2*	155382 P476
	FIRE PUMP INOPERABLE AT HUMBOLDT EAY*	162008 P412
	FIRE PUMP INOPERABLE AT PILGRIM 1*	160083 P527
	FIRE PUMP LESS THAN THAT REQUIRED BY NEW DEMAND AT DRESDEN	155476 P205
	FIRE PUMP OUT OF SERVICE TOO LONG AT DRESDEN 2*	160362 P217
	FIRE PUMP REMOVED FROM SERVICE FOR REPAIR AT DUANE ARNOLD*	158271 P 27
	FIRE PUMPS NOT TESTED AT VERMONT YANKEE*	161637 P578
	FIRE SEALS DISCOVERED AT FITZPATRICK*	156198 P275
	FIRE SPRINKLERS OUT OF SERVICE TOO LONG AT DUANE ARNOLD*	158665 P 28
	FIRE STOP INADEQUATE AT DRESDEN 2*	153940 P207
	FIRE WALL INTEGRITY BREACHED AT HATCH 2*	160841 P401
	FIRE WATCH NOT ESTABLISHED AT OYSTER CREEK*	158250 P457
	FIRE WATCH NOT ESTABLISHED IN TIME AT LACROSSE*	161890 P418
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	#RECIRCULATION PUMP DISCHARGE VALVE FAILS TO OPEN	156920 P142
	#RIP VALVE DOES NOT	158291 P111
	#72 OF 185 CONTROL RODS FAIL TO	154740 P474
	#TWO DRYWELL VENT VALVES FOUND TO BE	153481 P565
	#MSIV FAILS TO	159383 P517
	#REACTOR PROTECTION SYSTEM	154516 P126
	#TORUS LEVEL INSTRUMENT FAILS TO	

#ECCS LOGIC RELAY FAILS TO	FUNCTION PROPERLY AT PEACH EDDTCK 2*	160333 P481
ALARM AT DUANE ARNOLD*	#RCIC CONTROL POWER FUSE OPENS AT MONTICELLO*	158818 P434
	#BLOWN FUSES CAUSE LOSS OF CORE SPRAY SPARGER BREAK DETECTION	158620 P 10
* #INTEGRATED	GAMMA EXPOSURE TEST NOT PERFORMED ON TIME AT VERMONT YANKIE	155190 P567
#SET POINT DRIFT IN CONTAINMENT	GAS ANALYZER AT BRUNSWICK 2*	160499 P186
#FIRE CHECK AT AUXILIARY OFF	GAS BUILDING MISSED AT PILGRIM 1*	159523 P516
#STACK	GAS CRAB SAMPLE PUMP TRIPS AT PILGRIM 1*	159546 P512
#OFF-	GAS HYDROGEN ANALYZERS NOT TESTED ON TIME AT MILLSTONE 1*	161679 P426
#PLANT STACK	GAS MONITORING SYSTEM INOPERABLE AT FITZPATRICK*	155523 P271
#OFF	GAS MONITORING SYSTEM INOPERABLE AT NINE MILE POINT 1*	159513 P444
#REACTOR STARTED WITH OFF-	GAS MONITORS INOPERABLE AT PEACH BOTTOM 2*	154736 P476
#OFF-	GAS RADIATION MONITOR FAILS AT FITZPATRICK*	160104 P290
#STACK	GAS RADIATION MONITOR FLOW LOW AT FITZPATRICK*	154644 P263
#OFF	GAS RADIATION MONITOR INOPERABLE AT PEACH EDDTCK 2*	161909 P486
#FLOW REDUCED TO CONDENSEM LFP	GAS RADIATION MONITORS AT PILGRIM 1*	159610 P513
#OFF	GAS RADIATION MONITORS DEGRADED AT MONTICELLO*	159204 P435
#OFF	GAS RADIATION MONITORS INOPERABLE AT MILLSTONE 1*	160233 P422
#BOTH OFF	GAS RADIATION MONITORS INOPERABLE AT VERMONT YANKEE*	154600 P568
#BOTH MAIN CHIMNEY OFF	GAS SAMPLE PUMPS FAIL AT QUAD CITIES 1*	159331 P545
#CONTAINMENT RADIOACTIVE	GAS SAMPLER ISOLATION VALVES FAIL CLOSED AT PEACH BOTTOM 2*	160073 P482
#LOSS OF FLOW TO STACK	GAS SAMPLING SYSTEM AT NINE MILE POINT 1*	160003 P441
ANALYSIS AT ARNOLD*	#OFF GAS STACK FILTER AND CARTRIDGE LCST ON SITE BEFORE	154675 P 26
	#OFF GAS TOWER MISADJUSTED AT FITZPATRICK*	158628 P280
	#STANDBY GAS TREATMENT CHARCOAL BED LEAKS AT QUAD CITIES 1*	154920 P539
1*	#STANDBY GAS TREATMENT FAN FAILS TO MEET FLOW REQUIREMENTS AT HATCH	153740 P300
	#STANDBY GAS TREATMENT FAN TRIPS ON OVERLOAD AT CYSTER CREEK*	159328 P462
OPEN AT PEACH BOTTOM 2*	#STANDBY GAS TREATMENT FILTER ASSEMBLY ISOLATION VALVE FAILS TO	161071 P483
	#STANDBY GAS TREATMENT FILTER TRAIN FAILS TO START AT HATCH 2*	156935 P372
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	#STANDBY GAS TREATMENT POWER CABLES UNDERSIZED AT HATCH 2*	156881 P369
	#STANDBY GAS TREATMENT PROCEDURE CHANGES NOT REVIEWED AT HATCH 1*	160277 P321
	#SETPOINT DRIFT IN STANDBY GAS TREATMENT RADIATION MONITORS AT CYSTER CREEK*	155557 P451
CREEK*	#STANDBY GAS TREATMENT SYSTEM FAILS AT FITZPATRICK*	159581 P287
	#STANDBY GAS TREATMENT SYSTEM FLOWRATE FALLS BELOW LIMIT AT OYSTER	155456 P452
	#STANDBY GAS TREATMENT SYSTEM INOPERABLE AT PILGRIM 1*	159522 P517
CREEK*	#STANDBY GAS TREATMENT SYSTEM OPERATED IN DEGRADED MODE AT OYSTER	160354 P463
	#FLOW LOST IN STANDBY GAS TREATMENT SYSTEM TRAIN AT HATCH 2*	156990 P363
	#STANDBY GAS TREATMENT SYSTEM TRIPS AT DRESDEN 3*	161062 P236
	#STANDBY GAS TREATMENT TRAIN FAILS TO RESET AT BRUNSWICK 1*	156176 P136
	#STANDBY GAS TREATMENT UNIT FAILS AT OYSTER CREEK*	155994 P454
	#CONTAINMENT GASEOUS MONITOR SHIFTS DOWNSCALE AT BRUNSWICK 1*	156227 P133
	#DRYWELL GASEOUS RADIATION RECORDERS FAIL AT DUANE ARNOLD*	159203 P 13
#HPCI PIPE SNUBBERS FAIL AND PUMP CASING	GASKET LEAKS AT PILGRIM 1*	159179 P515
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#LINEAR HEAT	GENERATION RATE EXCEEDED AT BROWNS FERRY 1*	161886 P 75
#AVERAGE PLANAR HEAT	GENERATION RATE EXCEEDS LIMIT AT NINE MILE POINT 1*	154448 P438
#AVERAGE PLANAR LINEAR HEAT	GENERATION RATE EXCEEDS LIMIT AT NINE MILE POINT 1*	154445 P439
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	#DIESEL GENERATOR FAILS TO START AT HATCH 1*	158683 P325
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 #MAIN STEAM ISOLATION VALVES CLOSE TOO FAST AND FAIL TO
 #PEACTOR WATER SAMPLES
 #MAIN STEAM LINE TEMPERATURE MONITORS
 #CONTAINMENT VACUUM BREAKER LIGHTS FAIL TO
 #CONTAINMENT ISOLATION VALVE FAILS TO
 #DRIFTING LPRM CAUSES
 NINE MILE POINT 1*
 #CNE POINT OF CHLORIDE INTRUSION MONITOR
 #FISSION PRODUCT IODINE MONITOR
 #CONTAINMENT ATMOSPHERIC MONITOR
 #CRYWELL OXYGEN-HYDROGEN ANALYSIS
 #RCIC FLOW INDICATOR
 #VACUUM BREAKER VALVE
 #LEVEL
 #LEVEL
 OYSTER CREEK*
 #UPDATE REPORT ON LOST WIND DIRECTION
 #SOURCE RANGE MONITORS FAIL TO MOVE AND GIVE UNUSUAL
 #TORUS TO DRYWELL VACUUM BREAKER FAILS TO GIVE OPEN
 #CONTROL ROD POSITION
 #CONTROL ROD POSITION
 #CONTROL ROD POSITION
 #TRAVERSING INCORE PROBE POSITION
 #CONTROL ROD POSITION
 #CONTROL ROD HAS NO POSITION
 #CONTROL ROD HAS NO POSITION
 #LINEAR
 #LINEAR
 #ABNORMAL
 #CONTROL ROD POSITION
 #RCIC VALVE POSITION
 #CONTROL ROD POSITION
 #CONTROL ROD POSITION
 #ALL ROD POSITION
 #WRONG
 #ABNORMAL
 #BATTERY VOLTAGE
 #REACTOR WATER LEVEL
 #UPDATE REPORT ON REACTOR CLEAN-UP SYSTEM PIPING
 #CONTAINMENT OXYGEN ANALYZER GIVES ERRATIC
 #CONTROL ROD POSITION
 #LINEAR
 #PRELIMINARY REPORT ON LINEAR
 #TWO CONTROL ROD POSITION
 #WIND DIRECTION
 #CONTROL ROD POSITION
 #REMOTE SHUTDOWN PANEL RHR FLOW
 #DRYWELL VACUUM BREAKER POSITION
 #MSL LEAKAGE CONTROL FLOW
 #TORUS WATER LEVEL
 #DRYWELL OXYGEN CONCENTRATION
 #DRYWELL TO TORUS DIFFERENTIAL PRESSURE
 #UPDATE ON RCIC FLOW
 #RHR FLOW
 #RCIC FLOW
 #CONTROL ROD POSITION
 #RHR FLOW
 #DRYWELL PRESSURE
 #SUPPRESSION POOL LEVEL
 #PRESSURE
 #TORUS AND CRYWELL TEMPERATURE SENSORS CONNECTED TO WRONG
 #SET POINT DRIFT IN CONTROL ROD DRIVE ACCUMULATOR PRESSURE
 #CONTROL ROD POSITION
 #CONTROL ROD POSITION
 #JET PUMP DIFFERENTIAL PRESSURE
 #CONTAINMENT NOT
 #CAD STORAGE TANK LEVEL DROPS BELOW LIMIT DURING
 #APRM FAILS TO
 #SPURIOUS HPCI
 SET AT OYSTER CREEK*
 #HPCI FAILS TO
 #RCIC FAILS TO
 #LPCI
 #RHR
 #RCIC
 #LPCI
 #HHR INBOARD
 #HPCI
 #LPCI
 #LPCI
 #THREE HPCI
 #HPCI
 #REACTOR BUILDING TO TORUS VACUUM BREAKER
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 INDICATE CLOSED AT QUAD CITIES 2*
 INDICATE HIGH CHLORIDE CONCENTRATION AT FITZPATRICK*
 INDICATE LOW AT PEACH BOTTOM 2*
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 INDICATION AT DRESDEN 2*
 INDICATION FAILS AT BRUNSWICK 1*
 INDICATION FAILS AT BRUNSWICK 1*
 INDICATION FAILS AT BRUNSWICK 1*
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#RHR PUMP SUCTION VALVE	LEAKS AT HATCH 2*	161628 P403
#CONTAINMENT ISOLATION VALVE	LEAKS AT HATCH 2*	162702 P408
#SCREEN WASH PUMP PIPING	LEAKS AT HATCH 2*	163357 P411
#SCREEN WASH PUMP DISCHARGE VALVE	LEAKS AT HATCH 2*	160844 P411
#CONTAINMENT VENTILATION EXHAUST FAN ISOLATION DAMPER	LEAKS AT HATCH 2*	158307 P413
#CONTAINMENT CONDENSATE RETURN ISOLATION VALVE	LEAKS AT HATCH 2*	158309 P413
#CONTAINMENT ELECTRICAL PENETRATION	LEAKS AT HATCH 2*	162538 P417
#RCIC STEAM LINE DRAIN PIPE	LEAKS AT HATCH 2*	163492 P427
#FEEDWATER/HPCI FLOW CONTROL VALVE OPERATOR	LEAKS AT HATCH 2*	163380 P448
#REACTOR FEEDWATER PUMP SEAL	LEAKS AT HATCH 2*	159690 P444
#CORE SPRAY BOOSTER PUMP VENT LINE	LEAKS AT HATCH 2*	160432 P464
#CORE SPRAY PUMP SUCTION VENT LINE	LEAKS AT HATCH 2*	160863 P466
#CONTAINMENT VENTILATION VALVE	LEAKS AT HATCH 2*	160141 P497
#HPCI PIPE SNUBBERS FAIL AND PUMP CASING GASKET	LEAKS AT HATCH 2*	159179 P515
#REACTOR VESSEL DRAIN LINE	LEAKS AT HATCH 2*	161606 P533
#STANDBY GAS TREATMENT CHARCOAL BED	LEAKS AT HATCH 2*	154200 P539
#RHR SERVICE WATER VAULT PENETRATION	LEAKS AT HATCH 2*	154915 P552
#HPCI EMERGENCY OIL PUMP DISCHARGE LINE	LEAKS AT HATCH 2*	153714 P556
#HPCI STEAMLINE	LEAKS AT HATCH 2*	159241 P557
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#CONTAINMENT ISOLATION VALVE	LEAKS AT HATCH 2*	162014 P417
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#RCIC DRAIN LINE	LEAKS AT HATCH 2*	160210 P437
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#RCIC DRAIN POT	LEAKS AT HATCH 2*	160802 P403
#DIESEL GENERATOR LUBE OIL	LEAKS AT HATCH 2*	154711 P 1
#TORUS WATER	LEAKS AT HATCH 2*	153730 P 2
#FIRE WATER STORAGE TANK	LEAKS AT HATCH 2*	154666 P265
#CAD STORAGE TANK	LEAKS AT HATCH 2*	157090 P313
#TORUS	LEAKS AT HATCH 2*	156110 P175
#SUPPRESSION POOL	LEAKS AT HATCH 2*	155513 P173
#TORUS	LEAKS AT HATCH 2*	160514 P190
#DISCHARGE LIQUID EFFLUENT RADIATION	LEAKS AT HATCH 2*	161813 P200
#TORUS WATER	LEAKS AT HATCH 2*	156224 P205
#REACTOR LOW WATER	LEAKS AT HATCH 2*	155550 P265
#TORUS WATER	LEAKS AT HATCH 2*	160534 P155
#NITROGEN TANK	LEAKS AT HATCH 2*	159215 P 13
#LOW DIESEL GENERATOR GOVERNOR HYDRAULIC OIL	LEAKS AT HATCH 2*	158604 P282
#LOW	LEAKS AT HATCH 2*	161950 P341
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BRUNSWICK 1*	LEAKS AT HATCH 2*	156928 P139
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YANKEE*	LEAKS AT HATCH 2*	157715 P107
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	LEAKS AT HATCH 2*	163370 P 25
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	LEAKS AT HATCH 2*	159104 P286
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#SETPOINT DRIFT IN CONDENSATE STORAGE TANK	LEVEL SWITCH AT FITZPATRICK*	156197 P274
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#CONTROL ROD DRIVE ACCUMULATOR	LEVEL SWITCH FAILS AT BROWNS FERRY 1*	155296 P 49
#SCRAM DISCHARGE VOLUME HIGH	LEVEL SWITCH FAILS AT BROWNS FERRY 1*	158293 P 65
#REACTOR WATER	LEVEL SWITCH FAILS AT BRUNSWICK 1*	158545 P144
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#REACTOR WATER	LEVEL SWITCH FAILS AT HATCH 2*	158675 P382
#TORUS WATER	LEVEL SWITCH FAILS TO ACTUATE AT BRUNSWICK 2*	155572 P167
#CRD SCRAM ACCUMULATOR	LEVEL SWITCH FAILS TO OPERATE AT BROWNS FERRY 1*	155208 P 52
#REACTOR WATER	LEVEL SWITCH FAILS TO OPERATE AT BROWNS FERRY 2*	154438 P 80
#REACTOR LO-LO WATER	LEVEL SWITCH FAILS TO OPERATE PROPERLY AT FITZPATRICK*	155293 P269
#REACTOR LOW-LOW WATER	LEVEL SWITCH FAILS TO OPERATE PROPERLY AT QUAD CITIES 1*	155369 P540
#REACTOR LOW WATER	LEVEL SWITCH FAILS TO TRIP AT BRUNSWICK 1*	154880 P131
#SCRAM DISCHARGE VOLUME	LEVEL SWITCH INOPERABLE AT BROWNS FERRY 2*	161864 P 99
#DRIFT IN REACTOR WATER	LEVEL SWITCH SET POINT AT FITZPATRICK*	161717 P294
#REACTOR LOW WATER	LEVEL SWITCH SETPOINT INCORRECT AT BROWNS FERRY 2*	159695 P 90
#REACTOR LOW WATER	LEVEL SWITCH SETPOINT IS INCORRECT AT BRUNSWICK 2*	159356 P184
#REACTOR LOW WATER	LEVEL SWITCH STICKS CLOSED AT BRUNSWICK 2*	158732 P180
#REACTOR WATER	LEVEL SWITCH TRIPS BELOW SETPOINT AT DRESDEN 3*	158740 P232
#REACTOR WATER	LEVEL SWITCH TRIPS BELOW SETPOINT AT DRESDEN 3*	158750 P233
#DRIFT IN REACTOR LOW WATER	LEVEL SWITCHES AT BRUNSWICK 1*	163468 P157
#SET POINT DRIFT IN REACTOR LOW WATER	LEVEL SWITCHES AT BRUNSWICK 2*	161069 P182
#SET POINT DRIFT IN LOW REACTOR	LEVEL SWITCHES AT COOPER*	161622 P256
#SET POINT DRIFT IN REACTOR WATER	LEVEL SWITCHES AT FITZPATRICK*	163361 P295
#SET POINT DRIFT IN REACTOR LO-LO-LO WATER	LEVEL SWITCHES AT OYSTER CREEK 1*	161873 P468
#REACTOR WATER	LEVEL SWITCHES EXCEED SET POINT LIMIT AT PILGRIM 1*	160345 P521
#REACTOR WATER	LEVEL SWITCHES FAIL AT BROWNS FERRY 3*	158537 P107
#SCRAM DISCHARGE VOLUME HIGH	LEVEL SWITCHES FAIL AT HATCH 2*	159584 P391
#LIQUID	LEVEL SWITCHES FAIL TO OPERATE PROPERLY AT BROWNS FERRY 2*	155204 P 81
#17 SCRAM ACCUMULATOR	LEVEL SWITCHES INOPERABLE AT BROWNS FERRY 2*	160907 P 95
#REACTOR	LEVEL SWITCHES TRIP TOO LATE AT HATCH 2*	160518 P398
#NITROGEN STORAGE TANK	LEVEL TCO LOW AT HATCH 1*	159503 P324
#SET POINT DRIFT IN REACTOR	LEVEL TRANSMITTER AT BIG ROCK POINT*	157074 P 34
#SET POINT DRIFT IN REACTOR	LEVEL TRANSMITTER AT BIG ROCK POINT*	157076 P 35
#SET POINT DRIFT IN REACTOR WATER	LEVEL TRANSMITTER AT BIG ROCK POINT*	158777 P 37
#SET POINT DRIFT IN REACTOR	LEVEL TRANSMITTER AT BIG ROCK POINT*	160170 P 41
#FEEDWATER CONTROL	LEVEL TRANSMITTER FOUND OUT OF CALIBRATION AT FITZPATRICK*	156915 P277
#NARROW RANGE TORUS WATER	LEVEL TRANSMITTER OUT OF CALIBRATION AT HATCH 2*	154948 P348
#TORUS	LEVEL TRANSMITTER OUT OF TOLERANCE AT BRUNSWICK 1*	155559 P129
#HPCI REACTOR HIGH WATER	LEVEL TRIP INOPERABLE AT BROWNS FERRY 1*	156011 P 55
#SET POINT DRIFT IN RCIC REACTOR WATER	LEVEL TRIP SWITCH AT BROWNS FERRY 3*	159284 P113
#COBALT AND SILVER ACTIVITY	LEVELS EXCEED TEN TIMES CONTROL ACTIVITIES AT MILLSTONE*	161680 P425
#CONTROL ROD POSITION INDICATOR LIGHT FAILS TO	LIGHT AT BRUNSWICK 1*	154712 P125
#VACUUM BREAKER VALVE INDICATING	LIGHT FAILS OFF AT HATCH 1*	160267 P322
#CONTROL ROD POSITION INDICATOR	LIGHT FAILS TO LIGHT AT BRUNSWICK 1*	154712 P125
#CONTAINMENT VACUUM BREAKER	LIGHTS FAIL TO INDICATE OPEN AT HATCH 2*	154619 P347
#CONTAINMENT VACUUM BREAKER	LIGHTS REMAIN ON WHEN RODS MOVED AT OYSTER CREEK*	158695 P456
#FUEL EXPOSURE EXCEEDS MAPLHGR	LIMIT ANALYSIS EXPOSURES AT QUAD CITIES 1*	153946 P537
#DIESEL GENERATOR LUBE OIL LEVEL DROPS BELOW	LIMIT AT ARNOLD*	153730 P 2
#SUPPRESSION CHAMBER OXYGEN CONCENTRATION EXCEEDS	LIMIT AT ARNOLD*	155529 P 4
#LEAK RATE OF MSIV'S EXCEEDS	LIMIT AT ARNOLD*	155926 P 4
#CONTAINMENT ISOLATION VALVES' LEAK RATES EXCEED	LIMIT AT BIG ROCK POINT*	163388 P 45
#LEAK RATE OF THREE MAIN STEAM ISOLATION VALVES EXCEED	LIMIT AT BROWNS FERRY 1*	154617 P 48
#TOTAL CONTAINMENT LEAK RATE EXCEEDS	LIMIT AT BROWNS FERRY 1*	155532 P 55
#CORE SPRAY PUMP AREA COOLER FAN THERMOSTAT SET ABOVE	LIMIT AT BROWNS FERRY 1*	159399 P 68
#RIVER WATER TEMPERATURE RISE EXCEEDS	LIMIT AT BROWNS FERRY 1*	160156 P 73
#DIFFERENTIAL RIVER TEMPERATURE EXCEEDS	LIMIT AT BROWNS FERRY 1*	161754 P 78
#HPCI CHECK VALVE LEAK RATE EXCEEDS	LIMIT AT BROWNS FERRY 2*	160092 P 94
#DISCHARGE CHLORINE CONCENTRATION EXCEEDS	LIMIT AT BROWNS FERRY 2*	163470 P 97
#CONTAINMENT LEAK RATE EXCEEDS	LIMIT AT BROWNS FERRY 2*	161792 P 98
#FLOW THROUGH RHR PUMP SEAL COOLERS FALLS BELOW	LIMIT AT BROWNS FERRY 3*	155503 P105
#COOLING WATER FLOW TO RHR PUMP SEAL FALLS BELOW	LIMIT AT BROWNS FERRY 3*	159393 P114
#RIVER TEMPERATURE EXCEEDS	LIMIT AT BROWNS FERRY*	158700 P 66
#REACTOR VESSEL CONDUCTIVITY EXCEEDS	LIMIT AT BRUNSWICK 1*	155311 P135
#CONTAINMENT ATMOSPHERE DILUTION TANK VOLUME FALLS BELOW	LIMIT AT BRUNSWICK 1*	158658 P145
#REACTOR VESSEL CONDUCTIVITY EXCEEDS	LIMIT AT BRUNSWICK 1*	163665 P146
#REACTOR COOLANT CONDUCTIVITY EXCEEDS	LIMIT AT BRUNSWICK 1*	160403 P150
#MILK SAMPLE IODINE ACTIVITY EXCEEDS	LIMIT AT BRUNSWICK 1*	162480 P159
#GROSS BETA CONCENTRATION EXCEEDS	LIMIT AT BRUNSWICK 1*	162396 P159
#REACTOR COOLANT CONDUCTIVITY EXCEEDS	LIMIT AT BRUNSWICK 2*	153737 P164
#CRITICAL POWER RATIO IS LESS THAN	LIMIT AT BRUNSWICK 2*	155575 P166
#TORUS LEVEL EXCEEDS HIGH	LIMIT AT BRUNSWICK 2*	155513 P173
#SUPPRESSION POOL LEVEL EXCEEDS	LIMIT AT BRUNSWICK 2*	160514 P190
#CONTROL ROD INSERTION TIME EXCEEDS	LIMIT AT BRUNSWICK 2*	160513 P190
#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS	LIMIT AT BRUNSWICK 2*	160874 P191
#UPDATE CN CONTAINMENT OXYGEN CONCENTRATION EXCEEDING	LIMIT AT BRUNSWICK 2*	163503 P191
#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS	LIMIT AT BRUNSWICK 2*	160820 P193
#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS	LIMIT AT BRUNSWICK 2*	161817 P199
#TORUS LEVEL EXCEEDS	LIMIT AT BRUNSWICK 2*	161813 P200
#SLC PUMP FLOW FALLS BELOW	LIMIT AT COOPER*	156169 P244
#DISCHARGE LIQUID EFFLUENT RADIATION LEVEL EXCEEDS	LIMIT AT DRESDEN 1*	156224 P205
#RADIOACTIVITY IN WASTE SAMPLE TANK EXCEEDS	LIMIT AT DRESDEN 2*	153495 P206
#WASTE SAMPLE TANK ACTIVITY EXCEEDS	LIMIT AT DRESDEN 2*	154927 P209
#FEEDWATER INBOARD CHECK VALVE LEAK RATE EXCEEDS	LIMIT AT DRESDEN 3*	155518 P227

#CONTAINMENT VENT LINE ISOLATION VALVE LEAKAGE EXCEEDS	LIMIT AT DRESDEN 3*	155521 P227
#FEEDWATER CHECK VALVE LEAK RATE EXCEEDS	LIMIT AT DRESDEN 3*	156159 P229
#REACTOR PRESSURE AND COOLANT TEMPERATURE EXCEED	LIMIT AT DRESDEN 3*	163344 P240
#TORUS WATER LEVEL FALLS BELOW	LIMIT AT DUANE ARNOLD*	159215 P 13
#INSTRUMENT AC UNDERVOLTAGE RELAY SETPOINT FALLS BELOW	LIMIT AT DUANE ARNOLD*	163373 P 24
#TORUS WATER LEVEL PUMPED DOWN BELOW	LIMIT AT DUANE ARNOLD*	163370 P 25
#TORUS WATER LEVEL DROPS BELOW	LIMIT AT FITZPATRICK*	154666 P265
#TORUS WATER LEVEL EXCEEDS	LIMIT AT FITZPATRICK*	155550 P269
#DRYWELL TC TORUS DIFFERENTIAL PRESSURE FALLS BELOW	LIMIT AT FITZPATRICK*	155305 P270
#CCFE SPRAY PIPE BREAK DETECTOR SET POINT EXCEEDS	LIMIT AT FITZPATRICK*	155303 P270
#DRIFTING LPRM CAUSES INDICATED HIGH THERMAL	LIMIT AT FITZPATRICK*	155418 P273
#DRYWELL TC TORUS DIFFERENTIAL PRESSURE FALLS BELOW	LIMIT AT FITZPATRICK*	157084 P275
#RADIOACTIVITY RELEASE EXCEEDS REPORT	LIMIT AT FITZPATRICK*	158237 P275
#IODINE RELEASE RATE EXCEEDS	LIMIT AT FITZPATRICK*	158622 P279
#TORUS WATER LEVEL FALLS BELOW	LIMIT AT FITZPATRICK*	158604 P282
#COBALT ACTIVITY IN PERIPHYTON SAMPLE EXCEED	LIMIT AT FITZPATRICK*	160498 P291
#MILK SAMPLE IODINE ACTIVITY EXCEEDS	LIMIT AT FITZPATRICK*	163381 P296
#HPCI STEAM SUPPLY VALVES CLOSE ABOVE PRESSURE	LIMIT AT HATCH 1*	153503 P161
#HPCI STEAM SUPPLY VALVES CLOSE ABOVE PRESSURE	LIMIT AT HATCH 1*	151501 P799
#HEAD DEVELOPED BY PLANT SERVICE WATER PUMP EXCEEDS	LIMIT AT HATCH 1*	156100 P310
#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS	LIMIT AT HATCH 1*	156137 P312
#FIRE WATER STORAGE TANK LEVEL DROPS BELOW	LIMIT AT HATCH 1*	157090 P313
#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS	LIMIT AT HATCH 1*	158598 P316
#SERVICE WATER PUMP FLOW RATE FALLS BELOW	LIMIT AT HATCH 1*	158601 P318
#NITROGEN TANK LEVEL FALLS BELOW	LIMIT AT HATCH 1*	161950 P341
#NITROGEN STORAGE TANK CONTENTS FALL BELOW	LIMIT AT HATCH 1*	162741 P344
#LEAKAGE OF FIVE MSIV'S EXCEED	LIMIT AT HATCH 2*	156131 P356
#CONTAINMENT ISOLATION VALVE LEAK RATES EXCEED	LIMIT AT HATCH 2*	157132 P362
#REACTOR COOLANT CHLORIDE CONCENTRATION EXCEEDS	LIMIT AT HATCH 2*	156996 P362
#FEEDWATER ISOLATION VALVE LEAK RATE EXCEEDS	LIMIT AT HATCH 2*	156222 P364
#RADWASTE DISCHARGE ISOLATION VALVE LEAKAGE EXCEEDS	LIMIT AT HATCH 2*	158308 P368
#DRYWELL TEMPERATURE EXCEEDS	LIMIT AT HATCH 2*	158673 P381
#DRYWELL AVERAGE TEMPERATURE EXCEEDED THE 145 F	LIMIT AT HATCH 2*	159626 P384
#TORUS TEMPERATURE EXCEEDS	LIMIT AT HATCH 2*	159308 P392
#TORUS WATER LEVEL BELOW	LIMIT AT HATCH 2*	160802 P403
#FEEDWATER ISOLATION VALVE LEAK RATE EXCEEDS	LIMIT AT HATCH 2*	161854 P403
#RCIC TURBINE EXHAUST ISOLATION VALVE LEAK RATE EXCEEDS	LIMIT AT HATCH 2*	161852 P404
#FEEDWATER ISOLATION VALVE LEAK RATES EXCEED	LIMIT AT HATCH 2*	161845 P404
#DRYWELL PNEUMATIC RETURN ISOLATION VALVE LEAK RATE EXCEEDS	LIMIT AT HATCH 2*	161880 P406
#CONTAINMENT ISOLATION VALVE LEAKAGE EXCEEDS	LIMIT AT HATCH 2*	162703 P407
#MAIN COOLANT ALPHA ACTIVITY EXCEEDS	LIMIT AT LA CROSSE*	160363 P414
#MAIN COOLANT ALPHA ACTIVITY EXCEEDS	LIMIT AT LA CROSSE*	160364 P415
#ELECTRICAL PENETRATION LEAK RATES EXCEED	LIMIT AT LACROSSE*	156223 P412
#CONTAINMENT ISOLATION VALVE LEAK RATE EXCEEDS	LIMIT AT LACROSSE*	162016 P418
#LEAK RATE OF OUTBOARD MSIV EXCEEDS	LIMIT AT MONTICELLO*	156238 P428
#LEAK RATE OF HPCI TURBINE EXHAUST CHECK VALVE EXCEEDS	LIMIT AT MONTICELLO*	156239 P429
#LEAK RATE OF STANDBY LIQUID CONTROL VALVE EXCEEDS	LIMIT AT MONTICELLO*	156240 P429
#LEAK RATE OF TORUS VENT VALVE EXCEEDS	LIMIT AT MONTICELLO*	156241 P430
#LEAK RATE OF RCIC TURBINE EXHAUST CHECK VALVE EXCEEDS	LIMIT AT MONTICELLO*	156242 P431
#LEAK RATE OF TORUS INSTRUMENT AIR VALVE EXCEEDS	LIMIT AT MONTICELLO*	156243 P431
#LEAK RATE OF DRYWELL EQUIPMENT DRAIN SUMP VALVE EXCEEDS	LIMIT AT MONTICELLO*	156244 P432
#LEAK RATE OF INBOUND MSIV EXCEEDS	LIMIT AT MONTICELLO*	156245 P432
#MSIV FAILS TO CLOSE WITHIN TIME	LIMIT AT MONTICELLO*	160209 P436
#AVERAGE PLANAR HEAT GENERATION RATE EXCEEDS	LIMIT AT NINE MILE POINT 1*	154448 P438
#INDICATED TEMPERATURE ACROSS CONDENSER EXCEEDS	LIMIT AT NINE MILE POINT 1*	154447 P439
#AVERAGE PLANAR LINEAR HEAT GENERATION RATE EXCEEDS	LIMIT AT NINE MILE POINT 1*	154445 P439
#LIQUID EFFLUENT DISCHARGE TEMPERATURE EXCEEDS	LIMIT AT NINE MILE POINT 1*	155298 P440
#CIRCULATING WATER DELTA TEMPERATURE EXCEEDS	LIMIT AT NINE MILE POINT 1*	158696 P442
#INSTRUMENT PROCEDURE NOT APPROVED IN TIME	LIMIT AT NINE MILE POINT 1*	160058 P446
#MILK SAMPLE IODINE ACTIVITY EXCEEDS	LIMIT AT NINE MILE POINT 1*	163383 P447
#PRESSURE DROP ACROSS HEPA FILTER EXCEEDS	LIMIT AT OYSTER CREEK 1*	160520 P466
#STANDBY GAS TREATMENT SYSTEM FLOWRATE FALLS BELOW	LIMIT AT OYSTER CREEK*	155456 P452
#TORUS OXYGEN CONCENTRATION EXCEEDS	LIMIT AT OYSTER CREEK*	159327 P461
#RIVER WATER TEMPERATURE EXCEEDS	LIMIT AT OYSTER CREEK*	159137 P471
#DISCHARGE TEMPERATURE EXCEEDS	LIMIT AT OYSTER CREEK*	159520 P472
#WATER TEMPERATURE IN CREEK EXCEEDS	LIMIT AT OYSTER CREEK*	160357 P472
#ROD WITHDRAWAL BLOCK SETPOINT EXCEEDS	LIMIT AT PEACH BOTTOM 2*	155380 P476
#DIESEL DRIVEN FIRE PUMP FLOWRATE FALLS BELOW	LIMIT AT PEACH BOTTOM 2*	155382 P476
#REACTOR COOLANT CONDUCTIVITY EXCEEDS	LIMIT AT PEACH BOTTOM 3*	155499 P490
#CONDENSER COOLING WATER TEMPERATURE RISE EXCEEDS	LIMIT AT PILGRIM 1*	155398 P502
#LEAKAGE OF TORUS TO RB VACUUM BREAKER EXCEEDS	LIMIT AT PILGRIM 1*	154689 P503
#SR-90 CONCENTRATION IN MILK SAMPLE EXCEEDS REPORT	LIMIT AT PILGRIM 1*	154592 P504
#MUSSEL SAMPLE COBALT 60 CONCENTRATION EXCEEDS REPORTABLE	LIMIT AT PILGRIM 1*	158846 P514
#REACTOR WATER CONDUCTIVITY EXCEEDS	LIMIT AT PILGRIM 1*	159277 P516
#REACTOR WATER LEVEL SWITCHES EXCEED SET POINT	LIMIT AT PILGRIM 1*	160345 P521
#CONDENSER TEMPERATURE GRADIENT EXCEEDS	LIMIT AT PILGRIM 1*	160523 P529
#CIRCULATING WATER DELTA T EXCEEDS	LIMIT AT PILGRIM 1*	161940 P534
#DRYWELL PURGE VALVE CLOSING TIME EXCEEDS	LIMIT AT QUAD CITIES 1*	153948 P538
#MSIV CLOSURE TIME EXCEEDS	LIMIT AT QUAD CITIES 1*	153491 P538
#CONTAINMENT ISOLATION VALVE LEAK RATES EXCEED	LIMIT AT QUAD CITIES 1*	160815 P546
#SLC RELIEF VALVES UNTIL PRESSURE EXCEEDS	LIMIT AT QUAD CITIES 2*	154916 P551
#REACTOR COOLANT CONDUCTIVITY EXCEEDS	LIMIT AT QUAD CITIES 2*	158494 P555
#DISCHARGE BAY CHLORINE CONCENTRATION EXCEEDS	LIMIT AT QUAD CITIES*	159155 P550
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#CMPF EXCEEDS	LIMIT DURING STARTUP AT HATCH 2*	154741 P352

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#CONDENSER COOLING WATER TEMPERATURE	LIMIT EXCEEDED AT COOPER*	159469 P249
#CONDENSER COOLING WATER TEMPERATURE	LIMIT EXCEEDED AT COOPER*	159485 P251
#CONDENSER COOLING WATER TEMPERATURE	LIMIT EXCEEDED AT COOPER*	159460 P251
#CONDENSER COOLING WATER TEMPERATURE	LIMIT EXCEEDED AT COOPER*	159491 P251
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#MAIN STEAM ISOLATION VALVE	LIMIT SWITCH FAILS TO RESET AT FITZPATRICK*	163403 P296
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#HYDRANT HOSE HOUSE		LOST AT PILGRIM 1*	156034 P506
#ALL ROD POSITION INDICATION		LOST AT VERMONT YANKEE*	154604 P567
HATCH 2*	#CARBON	LOST FROM FILTERS IN REFUELING FLOOR VENTILATION SYSTEM AT	156986 P365
	#FLOW	LOST IN STANDBY GAS TREATMENT SYSTEM TRAIN AT HATCH 2*	156990 P363
#OFF GAS STACK FILTER AND CARTRIDGE		LOST ON SITE BEFORE ANALYSIS AT ARNOLD*	154675 P 26
#POWER		LOST TO EMERGENCY SWITCHGEAR BUS AT HATCH 2*	159067 P388
#ELECTRIC POWER		LOST TO SBLC SYSTEM AT PEACH BOTTOM 2*	160480 P482
#POWER		LOST TO 125 VDC POWER BUS AT ARNOLD*	156083 P 8
#UPDATE REPORT ON		LOST WIND DIRECTION INDICATION AT BROWNS FERRY 1, 2 AND 3*	161868 P 70
#DIESEL GENERATOR INOPERABLE DUE TO		LOW AIR PRESSURE AT HATCH 1*	159508 P324
#DRYWELL CONTINUOUS AIR MONITOR FLOW		LOW AT BROWNS FERRY 1*	153950 P 47
#CONTAINMENT ATMOSPHERIC MONITOR INDICATES		LOW AT BRUNSWICK 1*	154514 P126
#BATTERY VOLTAGE INDICATION READS		LOW AT BRUNSWICK 1*	159138 P150
#CONTAINMENT ATMOSPHERE MONITOR FLOW		LOW AT BRUNSWICK 2*	156112 P176
#RECIRCULATION PUMP MOTOR OIL LEVEL IS		LOW AT DUANE ARNOLD*	160265 P 11
#STACK GAS RADIATION MONITOR FLOW		LOW AT FITZPATRICK*	154644 P263
#CRYWELL/TORUS DIFFERENTIAL PRESSURE FALLS TOO		LOW AT HATCH 1*	156953 P315
#NITROGEN STORAGE TANK LEVEL TOO		LOW AT HATCH 1*	159503 P324
#HYDROGEN RECOMBINER SHEATH TEMPERATURE		LOW AT HATCH 2*	154944 P350
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#AVERAGE POWER RANGE MONITOR READS		LOW AT MILLSTONE 1*	159289 P423
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#DIESEL GENERATOR TRIPS ON		LOW LUBE OIL PRESSURE AT FITZPATRICK*	154949 P268
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	#SET POINT DRIFT IN REACTOR	LOW PRESSURE SWITCH AT BRUNSWICK 2*	161985 P193
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	#SET POINT DRIFT IN HPCI STEAMLINE	LOW PRESSURE SWITCH AT HATCH 1*	161614 P342
	#SET POINT DRIFT IN MAIN STEAM LINE	LOW PRESSURE SWITCH AT MONTICELLO*	155191 P428
	#SET POINT DRIFT IN MAIN STEAM LINE	LOW PRESSURE SWITCH AT PEACH BOTTOM 2*	162487 P486
	#SET POINT DRIFT IN MAIN STEAM LINE	LOW PRESSURE SWITCH AT QUAD CITIES 2*	159342 P557

	#SET POINT DRIFT IN REACTOR	LOW PRESSURE SWITCH AT VERMONT YANKEE*	154714 P566
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	#SET POINT DRIFT IN REACTOR	LOW WATER LEVEL SWITCH AT BRUNSWICK 1*	156932 P143
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	#DIESEL GENERATOR	LOWER CRANKSHAFT THRUST BEARING WIPED AT ARNOLD*	155403 P 7
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1*	# MAIN STEAM LINE DRAIN VALVE FAILS IN MID POSITION AT HATCH	154667 P301
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	#SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT QUAD CITIES 2*	159342 P557
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#OFF-GAS HYDROGEN ANALYZERS NOT TESTED ON TIME AT	MILLSTONE 1*	155196 P419
ANALYSIS ERRORS DISCOVERED IN MAPLMGR DETERMINATION AT	MILLSTONE 1*	158276 P422
DRIFT IN PRESSURE SWITCHES FOR REACTOR PROTECTION SYSTEM AT	MILLSTONE 1*	156157 P421
PRESSURE RELIEF SYSTEM DRYWELL PRESSURE SENSOR ISOLATED AT	MILLSTONE 1*	161827 P426
SILVER ACTIVITY EXCEEDS TEN TIMES CONTROL ACTIVITY AT	MILLSTONE*	161680 P425
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#ROD WORTH	MINIMUM FLOW BYPASS VALVE FAILS TO CLOSE AT BROWNS FERRY 3*	159416 P112
#RCIC	MINIMUM FLOW CONTROL VALVE CYCLES AT HATCH 2*	156856 P375
#HPCI	MINIMUM FLOW LINES NOT ADEQUATELY SUPPORTED AT HATCH 2*	155385 P353
#RHR	MINIMUM FLOW VALVE FAILS TO CLOSE AT FITZPATRICK*	158301 P276
#HPCI PUMP	MINIMUM FLOW VALVE FAILS TO CLOSE AT HATCH 1*	160868 P340
#HPCI	MINIMUM FLOW VALVE FAILS TO CLOSE AT HATCH 2*	154744 P351
#HPCI	MINIMUM FLOW VALVES CLOSED INADVERTENTLY AT HATCH 1*	159500 P322
#RHR	MINUTE PERIODS AT OYSTER CREEK*	153497 P448
#ONLY ONE DILUTION PUMP OPERATING FOR TWENTY	MINUTES AT BRUNSWICK 2*	155530 P175
#BOTH RHR ROOM COOLERS INOPERABLE FOR FIFTEEN	MISADJUSTED AT FITZPATRICK*	158628 P280
#OFF-GAS TIMER	MISMATCH AT MILLSTONE 1*	154444 P419
#RECIRC PUMP RUNBACK RESULTS IN PUMP SPEED	MISORIENTED AT BROWNS FERRY 2*	160298 P 93
#FUEL ASSEMBLIES	MISORIENTED FUEL ASSEMBLIES AT BROWNS FERRY 2*	163596 P 93
#UPDATE ON	MISSED AT DRESDEN 2*	161793 P221
#ULTRASONIC TESTING OF SCRAM DISCHARGE VOLUME	MISSED AT DUANE ARNOLD*	161942 P 24
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#CORE HEAT GENERATION RATE TESTS	MISSED AT PILGRIM 1*	159523 P516
#FIRE CHECK AT AUXILIARY OFF GAS BUILDING	MISSING AND DEFECTIVE ELECTRICAL FIRE SEALS DISCOVERED AT	156198 P275
FITZPATRICK*	MISSING AT HATCH 1*	153504 P299
#BRACING BETWEEN MAIN STEAM RELIEF VALVE VENT LINE LEGS	MISSING AT HATCH 1*	154670 P300
#LPCI PIPE RESTRAIN CLEVIS PIN FOUND	MISSING AT HATCH 1*	157091 P312
#CONDENSATE STORAGE TANK BASE SLAB SEAL	MISSING AT HATCH 1*	159605 P332
#INSTRUMENT AIR PIPE SUPPORT	MISSING INTERNALS AT BROWNS FERRY 2*	161452 P 96
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#CONTROL VALVE FAST CLOSURE PRESSURE SWITCH	MODE AT OYSTER CREEK*	160354 P463
#STANDBY GAS TREATMENT SYSTEM OPERATED IN DEGRADED	MODIFICATION AT BRUNSWICK 1*	159195 P143
#SCRAM DISCHARGE VOLUME DRAIN LINE PIPE SUPPORTS REQUIRE	MODIFICATION AT DRESDEN 3*	158706 P234
#CONTROL ROD DRIVE SCRAM DISCHARGE PIPE SUPPORTS REQUIRE	MODIFICATION AT HATCH 1*	159090 P332
#RCIC PIPE SUPPORT REQUIRES	MODIFICATION AT HATCH 2*	159094 P389
#JET PUMP OPERABILITY TEST PROCEDURE REQUIRES	MODIFICATIONS NOT COMPLETED AT HATCH 1*	158446 P322
#HANGER	MODULATING DAMPER FAILS TO CLOSE AT BROWNS FERRY 1*	160214 P 71
#SECONDARY CONTAINMENT INTEGRITY	MOMENTARILY VIOLATED AT HATCH 1*	153739 P303
#SECONDARY CONTAINMENT INTEGRITY	MOMENTARILY VIOLATED AT HATCH 1*	156082 P308
#SECONDARY CONTAINMENT INTEGRITY	MOMENTARILY VIOLATED AT HATCH 1*	155410 P310
FERRY 2*	MOMENTARY BREACH OF SECONDARY CONTAINMENT OCCURS AT BROWNS	155206 P 81
#TORUS HYDROGEN	MONITOR ANNUNCIATES SPURIOUSLY AT BROWNS FERRY 1*	160305 P 71
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#SET POINT DRIFT IN MAIN STEAM LINE HIGH RADIATION	MONITOR AT BRUNSWICK 1*	154882 P130
#ABNORMAL INDICATION FROM CONTAINMENT ATMOSPHERIC	MONITOR AT BRUNSWICK 1*	157055 P134
#SET POINT DRIFT IN CONTAINMENT ATMOSPHERE	MONITOR AT BRUNSWICK 1*	163502 P159

#SET POINT DRIFT IN MAIN STEAM LINE RADIATION	MONITOR AT BRUNSWICK 2*	154559 P162
#RPS HALF SCRAM CAUSED BY STEAM LINE RADIATION	MONITOR AT DRESDEN 2*	157163 P211
#SET POINT DRIFT IN REFUELING FLOOR RADIATION	MONITOR AT DRESDEN 2*	160524 P221
#SET POINT DRIFT IN SOURCE RANGE	MONITOR AT DRESDEN 3*	161456 P239
#SET POINT DRIFT IN FISSION PRODUCT	MONITOR AT HATCH 1*	162743 P343
#CONTAINMENT ATMOSPHERIC	MONITOR BREAKER TRIPS AT BRUNSWICK 2*	155570 P167
#ROD BLOCK	MONITOR BYPASSED TOO LONG AT BRUNSWICK FERRY 2*	156015 P 85
#POST LOCA	MONITOR CALIBRATION NOT PERFORMED ON TIME AT HATCH 1*	157089 P314
#MAIN STEAM LINE RADIATION	MONITOR CALIBRATION NOT PERFORMED ON TIME AT VERMONT YANKEE	156882 P571
#ROD BLOCK	MONITOR DISABLED DUE TO LPRM FAILURES AT FITZPATRICK*	158633 P280
#DRYWELL OXYGEN	MONITOR DRIFTS AT DRESDEN 2*	155295 P209
#CONTAINMENT ATMOSPHERE	MONITOR ERRATIC AT BRUNSWICK 2*	155538 P164
#REACTOR BUILDING VENT	MONITOR FAILED DOWNSCALE AT COOPER*	159299 P252
#RADIATION	MONITOR FAILS AT BRUNSWICK FERRY 1*	156946 P 58
#TURBINE BUILDING ROOF VENT	MONITOR FAILS AT BRUNSWICK FERRY 1*	159405 P 69
#REACTOR BUILDING VENTILATION	MONITOR FAILS AT BRUNSWICK FERRY 1*	160157 P 72
#ROD BLOCK	MONITOR FAILS AT BRUNSWICK 1*	155308 P136
#CONTAINMENT OXYGEN	MONITOR FAILS AT BRUNSWICK 1*	160527 P156
#CONTAINMENT ATMOSPHERIC	MONITOR FAILS AT BRUNSWICK 1*	161811 P158
#CONTAINMENT ATMOSPHERIC	MONITOR FAILS AT BRUNSWICK 2*	160464 P186
#CONTAINMENT ATMOSPHERIC	MONITOR FAILS AT BRUNSWICK 2*	161814 P199
#CONTAINMENT ATMOSPHERIC	MONITOR FAILS AT BRUNSWICK 2*	161816 P200
#CONTAINMENT ATMOSPHERIC	MONITOR FAILS AT BRUNSWICK 2*	162707 P202
#ROD BLOCK	MONITOR FAILS AT DRESDEN 3*	153493 P223
#CONIHUL ROD BLOCK	MONITOR FAILS AT DRESDEN 3*	160922 P237
#OFF GAS RADIATION	MONITOR FAILS AT FITZPATRICK*	160104 P290
#REACTOR BUILDING VENT STACK RADIATION	MONITOR FAILS AT HATCH 1*	155588 P305
#AVERAGE POWER RANGE	MONITOR FAILS AT NINE MILE POINT 1*	160862 P446
#MAIN STEAM LINE RADIATION	MONITOR FAILS AT PEACH BOTTOM 3*	154729 P489
#STEAM LINE RADIATION	MONITOR FAILS DOWNSCALE AT BRUNSWICK FERRY 2*	155488 P 83
#CONTAINMENT ATMOSPHERIC	MONITOR FAILS DOWNSCALE AT BRUNSWICK 1*	154518 P125
#HYDROGEN	MONITOR FAILS TO CALIBRATE AT BRUNSWICK FERRY 3*	160330 P116
#ROD BLOCK	MONITOR FAILS TO OPERATE AT HATCH 2*	159594 P384
#CONTAINMENT ATMOSPHERIC	MONITOR FAILS TO RUN AT BRUNSWICK 1*	156184 P137
#SOURCE RANGE	MONITOR FAILS TO WITHDRAW AT BRUNSWICK 2*	161602 P184
#CONTAINMENT ATMOSPHERIC	MONITOR FAILS UPSCALE AT BRUNSWICK 2*	153734 P166
#UPDATE REPORT ON SEISMIC	MONITOR FAILURE AT BRUNSWICK FERRY 1, 2, AND 3*	163340 P 73
#MULTIPLE INTERMEDIATE RANGE	MONITOR FAILURES AT FITZPATRICK*	159380 P289
#UPDATE REPORT ON INTERMEDIATE RANGE	MONITOR FAILURES AT FITZPATRICK*	163363 P289
#CONTROL ROOM CHLORINE	MONITOR FAN INOPERABLE AT HATCH 1*	160810 P339
#DRYWELL CONTINUOUS AIR	MONITOR FLOW LOW AT BRUNSWICK FERRY 1*	153950 P 47
#CONTAINMENT ATMOSPHERE	MONITOR FLOW LOW AT BRUNSWICK 2*	156112 P176
#INTERMEDIATE RANGE	MONITOR FLOW LOW AT FITZPATRICK*	154644 P263
#CONTAINMENT ATMOSPHERE	MONITOR GIVES INCORRECT READING AT FITZPATRICK*	160341 P284
#CONTAINMENT ATMOSPHERE	MONITOR HAS A STEP CHANGE AT BRUNSWICK 1*	154076 P130
#CONTAINMENT ATMOSPHERIC	MONITOR HAS A STEP INCREASE AT BRUNSWICK 1*	154676 P127
#OXYGEN CHANNEL OF CONTAINMENT ATMOSPHERIC	MONITOR HAS STEP CHANGED AT BRUNSWICK 1*	156115 P128
#CNE POINT OF CHLORIDE INTRUSION	MONITOR INDICATES DOWNSCALE AT BRUNSWICK 1*	153732 P127
#FISSION PRODUCT IODINE	MONITOR INDICATES HIGH AT HATCH 2*	154624 P346
#CONTAINMENT ATMOSPHERIC	MONITOR INDICATES LOW AT BRUNSWICK 1*	154514 P126
#SEISMIC	MONITOR INOPERABLE AT BRUNSWICK FERRY 1*	160516 P 73
#CONTAINMENT ATMOSPHERIC	MONITOR INOPERABLE AT BRUNSWICK 2*	154733 P162
#REACTOR BUILDING EXHAUST VENTILATION RADIATION	MONITOR INOPERABLE AT BRUNSWICK 2*	161977 P181
#CONTAINMENT ATMOSPHERE	MONITOR INOPERABLE AT BRUNSWICK 2*	161047 P198
#CONTROL ROD BLOCK	MONITOR INOPERABLE AT DUANE ARNOLD*	159561 P 16
#AVERAGE POWER RANGE	MONITOR INOPERABLE AT FITZPATRICK*	156955 P277
#CONTROL ROOM AIR INTAKE CHLORINE	MONITOR INOPERABLE AT HATCH 1*	159433 P333
#OFF GAS RADIATION	MONITOR INOPERABLE AT PEACH BOTTOM 2*	161909 P486
#CONTROL ROD BLOCK	MONITOR INOPERABLE AT PILGRIM 1*	159555 P511
#REACTOR PRESSURE BOUNDARY LEAK DETECTION	MONITOR ISOLATED AT PILGRIM 1*	158768 P513
#CAC	MONITOR ISOLATION VALVE FAIL TO CLOSE AT BRUNSWICK 2*	161595 P194
#CONTAINMENT ATMOSPHERE	MONITOR LINE VALVE FAILS TO CLOSE AT BRUNSWICK 1*	156229 P129
#INTERMEDIATE RANGE	MONITOR MADE INOPERABLE AT FITZPATRICK*	155307 P272
#ROD BLOCK	MONITOR NOT TESTED WHEN REQUIRED AT HATCH 1*	155411 P310
#MAIN STEAM LINE HIGH RADIATION	MONITOR OUT OF CALIBRATION AT BRUNSWICK 1*	154510 P125
#ROD BLOCK	MONITOR PANEL ILLUMINATES SPURICUSLY AT BRUNSWICK 1*	159160 P138
#STEP CHANGE IN CONTAINMENT ATMOSPHERIC	MONITOR READING AT BRUNSWICK 1*	156186 P138
#REFUEL FLOOR EXHAUST RAD	MONITOR READING DRIFTS AT PEACH BOTTOM 3*	160373 P495
#AVERAGE POWER RANGE	MONITOR READS LOW AT HILLSTONE 1*	159289 P423
#MAIN STEAM LINE RADIATION	MONITOR READS LOW AT QUAD CITIES 1*	156004 P541
#SOURCE RANGE	MONITOR RECORDER PIN STICKS AT FITZPATRICK*	158625 P279
#EMERGENCY BUS	MONITOR RELAY TERMINAL POINTS OVERHEAT AT HATCH 2*	158310 P367
#RB RADIATION	MONITOR SAMPLE PUMP FAILS TO START AT HATCH 1*	159567 P326
#MAIN STACK RADIATION	MONITOR SAMPLE PUMPS FAIL AT HATCH 1*	157122 P312
#REACTOR BLDG VENT RAD	MONITOR SAMPLE PUMPS FAIL TO START AT HATCH 1*	159248 P335
#CONTROL ROD BLOCK	MONITOR SETPOINT DRIFTS AT BRUNSWICK 1*	160467 P151
#APR	MONITOR SETPOINT INCORRECT AT FITZPATRICK*	160228 P287
#CONTAINMENT GASEOUS	MONITOR SHIFTS DOWNSCALE AT BRUNSWICK 1*	156227 P133
#REACTOR BUILDING RADIATION	MONITOR TEST NOT PERFORMED ON TIME AT BRUNSWICK FERRY 1*	154918 P 50
#MAIN STEAM LINE RADIATION	MONITOR TRIPPED AT DRESDEN 2*	160264 P213
#STACK RELEASES NOT	MONITORED AT OYSTER CREEK 1*	160207 P462
#RPS MOTOR GENERATORS ARE NOT	MONITORED AT PILGRIM 1*	160479 P527
#CONTAINMENT	MONITORING ISOLATION VALVE FAILS TO CLOSE AT VERMONT YANKEE	156889 P572
#RB VENTILATION RADIATION	MONITORING SYSTEM FAILS AT BRUNSWICK 1*	159166 P145
#PLANT STACK GAS	MONITORING SYSTEM INOPERABLE AT FITZPATRICK*	155523 P271
#OFF GAS	MONITORING SYSTEM INOPERABLE AT NINE MILE POINT 1*	159513 P444
#POWER RANGE	MONITORS ADJUSTED NONCONSERVATIVELY AT VERMONT YANKEE*	160064 P576

#SET POINT DRIFT IN CONTAINMENT VENT AND FUEL POOL	MONITORS AT DRESSEN 3*	156336 P229
#SETPOINT DRIFT IN STANDBY GAS TREATMENT RADIATION	MONITORS AT OYSTER CREEK*	155557 P451
#FLCW REDUCED TO CONDENSER OFF GAS RADIATION	MONITORS AT PILGRIM 1*	155610 P513
#BOTH CONTAINMENT ATMOSPHERE OXYGEN	MONITORS CONCURRENTLY UNAVAILABLE AT ARNOLD*	155551 P 3
#INTERMEDIATE RANGE	MONITORS DAMAGED AT BRUNSWICK 2*	155639 P177
#OFF GAS RADIATION	MONITORS DEGRADED AT MONTICELLO*	1559204 P435
#STARTUP RANGE	MONITORS FAIL AT BRUNSWICK 1*	1559161 P138
#INTERMEDIATE RANGE	MONITORS FAIL AT BRUNSWICK 3*	1558603 P176
#RADIATION	MONITORS FAIL AT VERMONT YANKEE*	1556989 P573
#CONTAINMENT ATMOSPHERIC	MONITORS FAIL DOWNSCALE AT BRUNSWICK 1*	154522 P124
#DRYWELL HYDROGEN	MONITORS FAIL TO CALIBRATE AT BRUNSWICK FERRY 2*	160213 P 93
#SOURCE RANGE	MONITORS FAIL TO DRIVE INTO CORE AT BRUNSWICK 2*	1559603 P179
#SOURCE RANGE	MONITORS FAIL TO MOVE AND GIVE UNUSUAL INDICATION AT	155655 P179
#RIP VALVES FOR CONTAINMENT AIR	MONITORS FOUND CLOSED AT BRUNSWICK 2*	155531 P171
#SET POINT DRIFT AND FAILURE OF AVERAGE POWER RANGE	MONITORS IN ONE CHANNEL AT FITZPATRICK*	1558627 P280
#MAIN STEAM LINE TEMPERATURE	MONITORS INDICATE LOW AT PEACH BOTTOM 2*	153477 P474
#THREE INTERMEDIATE RANGE	MONITORS INOPERABLE AT BROWNS FERRY 2*	161833 P 98
#CAC	MONITORS INOPERABLE AT BRUNSWICK 1*	160407 P152
#BOTH DRYWELL ATMOSPHERE	MONITORS INOPERABLE AT FITZPATRICK*	155306 P272
#OFF GAS RADIATION	MONITORS INOPERABLE AT MILLSTONE 1*	160233 P422
#REACTOR STARTED WITH OFF-GAS	MONITORS INOPERABLE AT PEACH BOTTOM 2*	154736 P476
#BOTH OFF GAS RADIATION	MONITORS INOPERABLE AT VERMONT YANKEE*	1546600 P568
#AVERAGE POWER RANGE	MONITORS INOPERATIVE AT BRUNSWICK 1*	159211 P147
#BOTH DRYWELL ATMOSPHERE	MONITORS OUT OF SERVICE AT FITZPATRICK*	154502 P264
#MONORAIL HOIST OPERABILITY NOT VERIFIED BEFORE USE AT	MONTICELLO*	162423 P406
#LEAK FOUND IN RECOMBINER DRAIN TRAP CONDENSATE LINE AT	MONTICELLO*	153488 P427
#UPDATE REPORT ON MAPLHGR EXPOSURE OVERSIGHT AT	MONTICELLO*	154608 P427
#RCIC STEAM LINE DRAIN PIPE LEAKS AT	MONTICELLO*	163492 P427
#SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT	MONTICELLO*	155191 P428
#LEAK RATE OF OUTBOARD MSIV EXCEEDS LIMITS AT	MONTICELLO*	156237 P428
#LEAK RATE OF OUTBOARD MSIV EXCEEDS LIMIT AT	MONTICELLO*	156238 P428
#LEAK RATE OF STANDBY LIQUID CONTROL VALVE EXCEEDS LIMIT AT	MONTICELLO*	156240 P429
#LACK OF SEPARATION OF HPCI AND ADS CABLES DISCOVERED AT	MONTICELLO*	156045 P430
#LEAK RATE OF TORUS VENT VALVE EXCEEDS LIMIT AT	MONTICELLO*	156241 P430
#LEAK RATE OF TORUS INSTRUMENT AIR VALVE EXCEEDS LIMIT AT	MONTICELLO*	156243 P431
#LEAK RATE OF INBOUND MSIV EXCEEDS LIMIT AT	MONTICELLO*	156245 P432
#RHR SERVICE WATER PUMP FAILS TO MEET REQUIREMENTS AT	MONTICELLO*	156879 P434
#REACTOR STARTED UP WITH ONE CORE SPRAY LOOP INOPERABLE AT	MONTICELLO*	155853 P434
#RCIC CONTROL POWER FUSE OPENS AT	MONTICELLO*	155818 P434
#EXCESSIVE OXYGEN CONCENTRATION IN CONTAINMENT FOUND AT	MONTICELLO*	1559209 P435
#OFF GAS RADIATION MONITORS DEGRADED AT	MONTICELLO*	1559204 P435
#RECIRC LOOP SAMPLE ISOLATION VALVE FAILS AT	MONTICELLO*	160374 P436
#HPCI STEAM SUPPLY ISOLATION VALVE FAILS AT	MONTICELLO*	1559222 P436
#MSIV FAILS TO CLOSE WITHIN TIME LIMIT AT	MONTICELLO*	160209 P436
#CONTROL ROD FAILS TO WITHDRAW AT	MONTICELLO*	160336 P437
#RCIC DRAIN LINE LEAKS STEAM AT	MONTICELLO*	160210 P437
#STEAM LEAK IN CONDENSER DRAIN LINE AT	MONTICELLO*	160918 P437
#DRYWELL SUMP ISOLATION VALVE FAILS TO CLOSE AT	MONTICELLO*	161895 P438
POINT DRIFT IN MAIN STEAM LINE AREA TEMPERATURE SWITCHES AT	MONTICELLO*	#SET 156044 P430
RATE OF HPCI TURBINE EXHAUST CHECK VALVE EXCEEDS LIMIT AT	MONTICELLO*	#LEAK 156239 P429
RATE OF RCIC TURBINE EXHAUST CHECK VALVE EXCEEDS LIMIT AT	MONTICELLO*	#LEAK 156242 P431
RATE OF DRYWELL EQUIPMENT DRAIN SUMP VALVE EXCEEDS LIMIT AT	MONTICELLO*	#LEAK 156244 P432
INTEGRITY VIOLATED BY REMOVING MSIV INTERNALS AT	MONTICELLO*	#CONTAINMENT 156047 P431
DRIVE HYDRAULIC PIPE SUPPORTS FAIL TO MEET STRESS LIMITS AT	MONTICELLO*	#CONTROL ROD 1556339 P433
SPLICES DISCOVERED ON MSIV SOLENOID VALVE POWER CABLES AT	MONTICELLO*	#UNQUALIFIED 156012 P433
VALVE AIR LINE SUPPORT NOT SEISMICALLY QUALIFIED AT	MONTICELLO*	#SAFETY/RELIEF 156018 P433
#HIGH COBALT CONCENTRATION IN	MOSS TAKEN FROM DISCHARGE CANAL AT PILGRIM 1*	1559560 P510
#SAFETY RELATED	MOTOR CONTROL CENTER FEEDER BREAKER TRIPS AT QUAD CITIES 1*	1558624 P542
#HPCI STEAM SUPPLY VALVE	MOTOR FAILS AT FITZPATRICK*	162035 P295
#RHR PUMP	MOTOR FAILS AT PEACH BOTTOM 2*	1558287 P487
#RECIRC PUMP	MOTOR GENERATOR BREAKER OPENS AT QUAD-CITIES 2*	1559689 P558
#REACTOR PROTECTION SYSTEM	MOTOR GENERATOR OUTPUT BREAKER TRIPS AT HATCH 1*	1557073 P314
#RECIRCULATION PUMP	MOTOR GENERATOR SET TRIPS AT QUAD CITIES 1*	1558629 P543
#RECIRCULATION PUMP	MOTOR GENERATOR TRIPS AT BROWNS FERRY 1*	1558662 P 60
#REACTOR RECIRCULATION PUMP	MOTOR GENERATOR TRIPS AT BRUNSWICK 2*	162709 P202
#RECIRCULATION PUMP	MOTOR GENERATORS TRIPS AT HATCH 1*	161795 P342
#RPS	MOTOR GENERATORS ARE NOT MONITORED AT PILGRIM 1*	160479 P527
#DIESEL GENERATOR COOLING WATER PUMP	MOTOR INOPERABLE AT QUAD-CITIES 1*	161898 P549
#RECIRCULATION PUMP	MOTOR OIL LEVEL IS LOW AT DUANE ARNOLD*	160265 P 11
#SCREEN WASH PUMP	MOTOR OVERHEATS AT HUMBOLDT BAY*	1559437 P411
#REACTOR RECIRCULATION PUMP	MOTOR SHORTS AT DUANE ARNOLD*	1558609 P 9
#RECIRCULATION PUMP	MOTOR SNUBBER LEAKS AT VERMONT YANKEE*	1559172 P574
#RHR PUMP	MOTOR TRIPS AT BROWNS FERRY 3*	1559650 P113
#DG AUXILIARY OIL PUMP	MOTOR TRIPS OUT AT BROWNS FERRY 3*	1559490 P110
#REACTOR RECIRCULATION	MOTOR-GENERATOR SET TRIPS AT BROWNS FERRY 2*	1556213 P 86
#BREAKER TO REACTOR	MOV BOARD TRIPS AT BROWNS FERRY 2*	1558747 P 89
#SOURCE RANGE MONITORS FAIL TO	MOVE AND GIVE UNUSUAL INDICATION AT BRUNSWICK 2*	1558655 P179
#CONTROL ROD POSITION LIGHTS REMAIN ON WHEN RODS	MOVED AT OYSTER CREEK*	1558695 P456
#FUEL BUNDLE	MOVED PREMATURELY AT QUAD-CITIES 1*	160059 P547
#CONTROL ROD	MOVED WITH SHORTING LINKS INSTALLED AT BRUNSWICK 2*	163471 P172
#CONTROL ROD BLOCK NOT GENERATED BY REFUEL BRIDGE	MOVEMENT AT FITZPATRICK*	160260 P283
#SURVEILLANCE REQUIREMENTS NOT MET PRIOR TO	MOVING FUEL AT PILGRIM 1*	155606

DESCRIPTION	STATUS	REFERENCE
#SET POINT DRIFT FOUND IN	MSIV CLOSURE TIMES EXCEED LIMITS AT DRESDEN 3*	160176 P235
#LEAK RATE OF OUTBOARD	MSIV CLOSURE TIMING AT QUAD-CITIES 2*	159569 P555
#LEAK RATE OF INBOARD	MSIV EXCEEDS LIMIT AT MONTICELLO*	156238 P428
#LEAK RATE OF OUTBOARD	MSIV EXCEEDS LIMIT AT MONTICELLO*	156245 P432
	MSIV EXCEEDS LIMITS AT MONTICELLO*	156237 P428
	MSIV FAILS TO CLOSE AT QUAD-CITIES 1*	156024 P540
	MSIV FAILS TO CLOSE WITHIN TIME LIMIT AT MONTICELLO*	160209 P436
	MSIV FAILS TO FULLY OPEN AT VERMONT YANKEE*	153481 P565
#CONTAINMENT INTEGRITY VIOLATED BY REMOVING	MSIV INTERNALS AT MONTICELLO*	156047 P431
	MSIV LEAKAGE CONTROL SYSTEM BLEED VALVE LCCSES POWER AT	157159 P373
	MSIV LEAKAGE CONTROL SYSTEM INOPERABLE AT HATCH 2*	159373 P395
	MSIV LEAKAGE CONTROL SYSTEM RELAY FAILS TO OPEN AT HATCH 2*	156863 P378
	MSIV LIMIT SWITCH FAILS TO DEENERGIZE SCRAM CHANNEL RELAY	159162 P 89
#SET POINT DRIFT IN	MSIV LOW PRESSURE SENSORS AT OYSTER CREEK*	159675 P464
#SETPOINT OF	MSIV SCRAM LIMIT SWITCHES OUT OF LIMITS AT DRESDEN 3*	155599 P227
	MSIV SCRAM RELAYS FOUND TO BE DE-ENERGIZED AT HATCH 1*	155554 P306
#UNQUALIFIED SPLICES DISCOVERED ON	MSIV SOLENOID VALVE POWER CABLES AT MONTICELLO*	156012 P433
#UPDATE ON DEFECTIVE	MSIV TORQUE SWITCH AT HATCH 2*	163462 P373
#LEAKAGE OF FIVE	MSIV'S EXCEED LIMIT AT HATCH 2*	156131 P356
#LEAK RATE OF	MSIV'S EXCEEDS LIMIT AT ARNOLD*	155026 P 4
	MSL LEAKAGE CONTROL FLOW INDICATOR FAILS AT HATCH 2*	159593 P385
	MULTIPLE DIESEL GENERATOR ALARMS RECEIVED AT BRUNSWICK 1*	160130 P152
	MULTIPLE HPCI AND RCIC FAILURES OCCUR AT PILGRIM 1*	159600 P510
	MULTIPLE HPCI TURBINE EXHAUST LINE SNIBBLES FAILURES AT	160157 P522
	MULTIPLE INTERMEDIATE RANGE MONITOR FAILURES AT FITZPATRICK	159380 P289
	MULTIPLE LPCI INVERTER TRIPS AT FITZPATRICK*	160116 P290
LIMIT AT PILGRIM 1*	MUSSEL SAMPLE COBALT 60 CONCENTRATION EXCEEDS REPORTABLE	158846 P514
	MUSSEL SAMPLES EXCEED REPORT LIMITS AT PILGRIM 1*	156067 P506
#REPORTABLE COBALT CONCENTRATION FOUND IN	MUSSELS AT PILGRIM 1*	159427 P518
#HIGH COBALT CONCENTRATION IN	MUSSELS AT PILGRIM 1*	161908 P336
CALIBRATION AT HATCH 2*	#NARROW RANGE TORUS WATER LEVEL TRANSMITTER OUT OF	154948 P348
	NEAR INTAKE STRUCTURE AT HATCH 1*	159498 P323
	#NEUTRALIZER TANK DISCHARGE VALVE FAILS OPEN AT FITZPATRICK*	154669 P265
#CAPACITY OF FIRE PUMP LESS THAN THAT REQUIRED BY	NEW DEMAND AT DRESDEN 1*	155476 P205
	#NINE CONTROL BUILDING WALLS OVERSTRESSED AT HATCH 1*	160843 P342
#AVERAGE PLANAR HEAT GENERATION RATE EXCEEDS LIMIT AT	NINE MILE POINT 1*	154448 P438
#INDICATED TEMPERATURE ACROSS CONDENSER EXCEEDS LIMIT AT	NINE MILE POINT 1*	154447 P439
#LC LO LO REACTOR WATER LEVEL SETPOINT RAISED AT	NINE MILE POINT 1*	154932 P440
#LIQUID EFFLUENT DISCHARGE TEMPERATURE EXCEEDS LIMIT AT	NINE MILE POINT 1*	155298 P440
#MAIN STEAM ISOLATION VALVES FAIL TO CLOSE AT	NINE MILE POINT 1*	160001 P441
#LOSS OF FLOW TO STACK GAS SAMPLING SYSTEM AT	NINE MILE POINT 1*	160003 P441
#CONTAINMENT SPRAY ISOLATION VALVE FAILS AT	NINE MILE POINT 1*	158697 P441
#CIRCULATING WATER DELTA TEMPERATURE EXCEEDS LIMIT AT	NINE MILE POINT 1*	158696 P442
#SET POINT DRIFT IN TURBINE ANTICIPATORY TRIP SWITCH AT	NINE MILE POINT 1*	159235 P442
	NINE MILE POINT 1*	158780 P443
#ELECTROMAGNETIC RELIEF VALVE FAILS TO OPEN AT	NINE MILE POINT 1*	159511 P443
#OFF GAS MONITORING SYSTEM INOPERABLE AT	NINE MILE POINT 1*	159513 P444
#SET POINT DRIFT IN TURBINE REACTOR SCRAM SWITCHES AT	NINE MILE POINT 1*	160313 P444
	NINE MILE POINT 1*	159424 P445
#SECONDARY CONTAINMENT INTEGRITY VIOLATED AT	NINE MILE POINT 1*	159258 P445
#INSTRUMENT PROCEDURE NOT APPROVED IN TIME LIMIT AT	NINE MILE POINT 1*	160058 P446
#AVERAGE POWER RANGE MONITOR FAILS AT	NINE MILE POINT 1*	160862 P446
#FEEDWATER/HPCI FLOW CONTROL VALVE OPERATOR LEAKS AT	NINE MILE POINT 1*	160871 P446
AVERAGE PLANAR LINEAR HEAT GENERATION RATE EXCEEDS LIMIT AT	NINE MILE POINT 1*	163380 P448
TANK PRESSURE FALLS BELOW LIMIT WITHOUT ANNUNCIATION, AT	NINE MILE POINT 1*	
VENT SYSTEM CHARCOAL NOT ANALYZED WHEN REQUIRED AT	NINE MILE POINT 1*	
#REACTOR FEEDWATER PUMP SEAL LEAKS AT	NINE MILE POINT*	
#ERROR FOUND IN CALCULATED SAFETY VALVE PRESSURE MARGIN AT	NINE MILE POINT*	
#MILK SAMPLE IODINE ACTIVITY EXCEEDS LIMIT AT	NINE MILE POINT*	
ROD DRIVE SCRAM PILOT SOLENOIDS NOT TESTED ON TIME AT	NINE MILE POINT*	
#CONTROL ROD DRIVE ACCUMULATORS FAIL TO MAINTAIN	NITROGEN PRESSURE AT HATCH 1*	
	NITROGEN PURGE ISOLATION VALVE FAILS TO CLOSE IN TIME AT	
	NITROGEN PURGE SUPPLY ISOLATION VALVE FAILS TO CLOSE AT	
	NITROGEN STORAGE TANK CONTENTS FALL BELOW LIMIT AT HATCH 1*	
	NITROGEN STORAGE TANK LEVEL TOO LOW AT HATCH 1*	
	NITROGEN TANK LEVEL FALLS BELOW LIMIT AT HATCH 1*	
	NITROGEN VALVE FAILS TO CLOSE AT QUAD-CITIES 2*	
	NO FAILURE - STATION ORGANIZATION CHANGED AT PILGRIM 1*	
	NO FLOW AT BRUNSWICK 2*	
	NO POSITION INDICATION FOR ONE NOTCH AT BRUNSWICK 1*	
	NO POSITION INDICATION FOR ONE NOTCH AT BRUNSWICK 2*	
	NO WATER FLOWS THROUGH CORE SPRAY SYSTEM ROOM COOLFR AT	
	NODES AT BROWNS FERRY 1*	
	NOISE AT HATCH 2*	
	NON-CONSERVATIVE AT VERMONT YANKEE*	
	NON-QUALIFIED MSIC LIMIT SWITCH FOUND AT HATCH 2*	
	NONCONSERVATIVE AT PILGRIM 1*	
	NONCONSERVATIVE AT PILGRIM 1*	
	NONCONSERVATIVELY AT VERMONT YANKEE*	
	NORMAL FEEDER AT BROWNS FERRY 3*	
	NOT ADEQUATE AT DRESDEN 2*	
	NOT ADEQUATELY SUPPORTED AT HATCH 2*	
PILGRIM 1*		
PILGRIM 1*		

#STACK FILTERS	NOT ANALYZED FOR ALPHAS DURING APRIL AT DUANE ARNOLD*	159069 P 27
#EMERGENCY VENT SYSTEM CHARCOAL	NOT ANALYZED WHEN REQUIRED AT NINE MILE POINT 1*	154446 P439
#INSTRUMENT PROCEDURE	NOT APPROVED IN TIME LIMIT AT NINE MILE POINT 1*	160058 P446
#CCRE MAXIMUM FRACTION OF LIMITING POWER DENSITY	NOT CALCULATED AT HATCH 2*	157157 P377
#ACCELEROMETER RECORDERS	NOT CALIBRATED ON TIME AT HATCH 2*	157119 P360
#RHR PUMP BREAKER FOUND	NOT CHARGED AT COOPER*	154052 P241
#LINEAR HEAT GENERATION RATE	NOT CHECKED AT BROWNS FERRY 2*	159337 P 91
#BATTERY SURVEILLANCE DOCUMENTATION	NOT COMPLETED AT DUANE ARNOLD*	158305 P 9
#HANGER MODIFICATIONS	NOT COMPLETED AT HATCH 1*	158446 P322
#MAIN STEAM LINE LOW PRESSURE TEST	NOT COMPLETED ON TIME AT DRESDEN 2*	154618 P208
#HPCI PUMP DISCHARGE PIPE CLAMP	NOT CONNECTED AT BRUNSWICK 1*	163393 P155
#DEGRADED FIRE BARRIERS FOUND AND FIRE WATCH	NOT ESTABLISHED AT OYSTER CREEK*	158250 P457
#FIRE WATCH	NOT ESTABLISHED IN TIME AT LACROSSE*	161890 P418
#PROPER FIRE WATCH	NOT ESTABLISHED IN CABLE SPREADING ROOM AT DUANE ARNOLD*	158304 P 8
#RIP VALVE DOES	NOT FULLY CLOSE AT BRUNSWICK 1*	156920 P142
#CONTROL ROD BLOCK	NOT GENERATED BY REFUEL BRIDGE MOVEMENT AT FITZPATRICK*	160260 P283
#CONTAINMENT	NOT INSERTED IN TIME AT COOPER*	163552 P259
#FIRE PROTECTION SYSTEMS	NOT INSPECTED AT BROWNS FERRY 1*	160218 P 71
#RB CLOSED COOLING WATER PIPING SEISMIC RESTRAINTS	NOT INSTALLED AT BROWNS FERRY 1*	156610 P 4A
#PSW SYSTEM SEISMIC PIPING SUPPORT	NOT INSTALLED AT HATCH 1*	160124 P337
#HIGH RADIATION AREA DOORS	NOT LOCKED AT HATCH 1*	159320 P336
#CONTAINMENT DIFFERENTIAL PRESSURE	NOT MAINTAINED AT DRESDEN 3*	153492 P224
#STANDBY SERVICE WATER PUMP DOES	NOT MEET OPERATING SPECS AT HATCH 1*	157721 P302
#CAD SYSTEM DOES	NOT MEET SINGLE FAILURE CRITERION AT BRUNSWICK 1 AND 2*	161702 P194
#RHR SERVICE WATER PUMP COOLING DOES	NOT MEET SINGLE FAILURE CRITERION AT HATCH 1*	157123 P314
#PRIMARY CONTAINMENT ISOLATION VALVE TIMING REQUIREMENTS	NOT MET AT COOPER*	159556 P247
#SURVEILLANCE REQUIREMENTS	NOT MET PRIOR TO MOVING FUEL AT PILGRIM 1*	156065 P505
#STACK RELEASES	NOT MONITORED AT OYSTER CREEK 1*	160207 P462
#RPS MOTOR GENERATORS ARE	NOT MONITORED AT PILGRIM 1*	160479 P527
#ENRC	NOT NOTIFIED WITHIN TIME LIMIT OF REACTOR SCRAM AT PILGRIM	159550 P512
#ENVIRONMENTAL AIR SAMPLE	NOT OBTAINED AT VERMONT YANKEE*	154606 P566
#ELECTRONIC ANNUNCIATION	NOT ON DOOR TO CONTROL BUILDING AT HATCH 1*	156035 P308
#EMERGENCY FLOODING VENT VALVE DOES	NOT OPEN AT LA CROSSE*	157165 P413
#HPCI SYSTEM	NOT OPERABLE WHEN REQUIRED AT HATCH 1*	156091 P309
#EQUIPMENT AND PERSONNEL LOCK LEAKAGE TESTS	NOT PERFORMED AT BIG ROCK POINT*	156984 P 34
#TEST	NOT PERFORMED AT BROWNS FERRY 1*	159449 P 67
#TURBINE VALVE CLOSURE TEST	NOT PERFORMED AT DUANE ARNOLD*	161752 P 22
#SCRAM DISCHARGE VOLUME HIGH LEVEL INSTRUMENT TEST	NOT PERFORMED AT DUANE ARNOLD*	161926 P 25
#RB VENTILATION EXHAUST SURVEILLANCE	NOT PERFORMED AT FITZPATRICK*	160272 P283
#TURBINE CONTROL VALVE FAST CLOSURE TEST	NOT PERFORMED AT HATCH 1*	154665 P301
#SMOKE DETECTOR SURVEILLANCE	NOT PERFORMED AT HATCH 1*	159232 P329
#SCRAM DISCHARGE VOLUME RESIDUAL WATER CHECK	NOT PERFORMED AT HATCH 1*	160135 P337
#PIPE INSPECTION	NOT PERFORMED AT PILGRIM 1*	160530 P529
#RHR PUMP OPERABILITY TEST	NOT PERFORMED CORRECTLY AT HATCH 1*	158599 P317
#REACTOR BUILDING RADIATION MONITOR TEST	NOT PERFORMED ON TIME AT BROWNS FERRY 1*	154918 P 50
#STANDBY GAS TREATMENT OPERABILITY TEST	NOT PERFORMED ON TIME AT BRUNSWICK 2*	158602 P178
#HEAT DETECTOR SURVEILLANCE	NOT PERFORMED ON TIME AT DRESDEN 2*	160823 P219
#POST LOCA MONITOR CALIBRATION	NOT PERFORMED ON TIME AT HATCH 1*	157089 P314
#HIGH DRYWELL PRESSURE SWITCH SURVEILLANCE	NOT PERFORMED ON TIME AT HATCH 1*	159064 P330
#FIRE PROTECTION SYSTEM VALVE TESTS	NOT PERFORMED ON TIME AT HATCH 2*	154738 P354
#DIESEL GENERATOR AND CORE SPRAY TESTS	NOT PERFORMED ON TIME AT HATCH 2*	156988 P364
#CONTAINMENT AIR LOCK DOORS INTERLOCK TEST	NOT PERFORMED ON TIME AT HATCH 2*	158618 P372
#CONTROL ROD FREE TRAVEL INTERLOCK SURVEILLANCE	NOT PERFORMED ON TIME AT OYSTER CREEK*	158270 P458
#MAIN STEAM LINE RADIATION MONITOR CALIBRATION	NOT PERFORMED ON TIME AT VERMONT YANKEE*	156832 P571
#INTEGRATED GAMMA EXPOSURE TEST	NOT PERFORMED ON TIME AT VERMONT YANKEE*	155190 P567
#CONTAINMENT HYDROGEN RECOMBINER TEST	NOT PERFORMED PROPERLY AT HATCH 2*	156855 P375
#UNIT 1 TRIP TEST	NOT PERFORMED WHEN REQUIRED AT HUNECLOT BAY*	155480 P410
#SEISMIC INSTRUMENT	NOT PROPERLY CALIBRATED AT HATCH 1*	159378 P346
#RHR	NOT PROPERLY TESTED AT BROWNS FERRY 2*	155457 P 85
#LPRM'S	NOT PROPERLY WIRED AT FITZPATRICK 1*	161782 P294
#ONE CONTROL ROD	NOT PULLED TO TARGET POSITION DURING STARTUP AT HATCH 2*	156132 P357
#DRYWELL EXHAUST SOLENOID COIL	NOT QUALIFIED AT BROWNS FERRY 1*	161892 P 76
#DRYWELL PRESSURE TRANSMITTERS	NOT QUALIFIED AT BROWNS FERRY 1*	161893 P 76
#DRYWELL PRESSURE TRANSMITTER	NOT QUALIFIED AT BROWNS FERRY 3*	161640 P 98
#DRYWELL PRESSURE TRANSMITTER	NOT QUALIFIED AT BROWNS FERRY 3*	161599 P119
#CABLES SPLICES ARE	NOT QUALIFIED AT BRUNSWICK 2*	159158 P180
#HPCI TURBINE DOES	NOT REACH RATED SPEED AT DUANE ARNOLD*	160275 P 10
#FEEDER BREAKER	NOT RECLOSED FOLLOWING RESTRICTION OF OFFSITE POWER AT	156072 P105
#FIRE DOOR CLOSERS	NOT REPAIRED IN TIME AT BRUNSWICK 1 AND 2*	162412 P160
#INOPERABLE PIPING SUPPORT	NOT REPAIRED PRIOR TO STARTUP AT BRUNSWICK 2*	153733 P165
#REACTOR BUILDING VENT SAMPLE SYSTEM	NOT RETURNED TO SERVICE AT DUANE ARNOLD*	155516 P 26
#FIRE DOORS	NOT RETURNED TO SERVICE IN TIME AT BRUNSWICK 2*	162429 P205
#INSTRUMENT MAINTENANCE PROCEDURE CHANGES	NOT REVIEWED AT FITZPATRICK*	160259 P283
#STANDBY GAS TREATMENT PROCEDURE CHANGES	NOT REVIEWED AT HATCH 1*	160277 P321
#REACTOR PRESSURE CALIBRATION PROCEDURE	NOT REVIEWED AT HATCH 2*	161874 P401
#CONTAINMENT ATMOSPHERIC CONTROL CABLE	NOT ROUTED PROPERLY AT HATCH 1*	158791 P320
#HOLDUP TANK	NOT SAMPLED AT DRESDEN 1*	159515 P206
#FUEL BUNDLE DISCOVERED ROTATED AND	NOT SEATED AT OYSTER CREEK*	154934 P450
#REACTOR VESSEL HEAD INSULATION	NOT SEISMIC QUALIFIED AT HATCH 2*	162146 P408
#RADWASTE PIPING IS	NOT SEISMICALLY PROTECTED AT HATCH 2*	160522 P399
#SAFETY/RELIEF VALVE AIR LINE SUPPORT	NOT SEISMICALLY QUALIFIED AT MONTICELLO*	156018 P433
#DRYWELL TO TEMPERATURE RECORDER WAS	NOT STAMPING AT HATCH 1*	159669 P327
#TEN PIPES	NOT SUPPORTED PROPERLY AT QUAD-CITIES 1*	160904 P548
#DIESEL FIRE PUMP DAY TANK SAMPLES	NOT TAKEN AT DRESDEN 2*	160361 P218
#REACTOR WATER SAMPLES	NOT TAKEN AT HATCH 1*	159065 P331
#ENVIRONMENTAL AIR SAMPLES	NOT TAKEN AT VERMONT YANKEE*	158703 P573
#TURBINE BUILDING VENTILATION SAMPLES	NOT TAKEN ON TIME AT BROWNS FERRY 1*	159404 P 70

#REACTOR COOLANT SAMPLES	NOT TAKEN WHEN REQUIRED AT FITZPATRICK*	154661 P266
#SDGT SYSTEM	NOT TESTED AS REQUIRED AT HATCH 1*	154663 P302
#RECIRCULATION PUMP TRIP SYSTEM	NOT TESTED AT DUANE ARNOLD*	160202 P 15
#APRM INSTRUMENTS	NOT TESTED AT FITZPATRICK*	159222 P285
#SAFETY RELIEF VALVE TAILPIPE PRESSURE SWITCH	NOT TESTED AT HATCH 1*	161059 P339
#CABLE VAULT SMOKE DETECTION SYSTEM	NOT TESTED AT HILLSTONE 1*	157402 P421
#FIRE PUMPS	NOT TESTED AT VERMONT YANKEE*	161637 P578
#REACTOR PROTECTION SYSTEM RELAYS	NOT TESTED IN TIME AT HATCH 2*	159092 P387
#FIRE PROTECTION ZONE	NOT TESTED ON TIME AT BROWNS FERRY 3*	158596 P109
#DRYWELL-TORUS VACUUM BREAKERS	NOT TESTED ON TIME AT HATCH 2*	160845 P400
#SHUTDOWN CONDENSER CONTROL VALVES	NOT TESTED ON TIME AT LACROSSE*	161891 P416
#OFF-GAS HYDROGEN ANALYZERS	NOT TESTED ON TIME AT HILLSTONE 1*	161679 P426
#CONTROL ROD DRIVE SCRAM PILOT SOLENOIDS	NOT TESTED ON TIME AT NINE MILE POINT*	163384 P447
#ROD BLOCK MONITOR	NOT TESTED WHEN REQUIRED AT HATCH 1*	155411 P310
#ELECTRICAL POWER SOURCES	NOT TESTED WHEN REQUIRED AT HATCH 2*	154942 P350
#MAIN STATION AND DG BATTERIES	NOT TESTED WHEN REQUIRED AT OYSTER CREEK*	155443 P454
#MONORAIL HOIST OPERABILITY	NOT VERIFIED BEFORE USE AT HATCH 2*	162423 P406
#CONTROL ROD HAS NO POSITION INDICATION FOR ONE	NOTCH AT BRUNSWICK 1*	153731 P128
#CONTROL ROD HAS NO POSITION INDICATION FOR ONE	NOTCH AT BRUNSWICK 2*	153735 P165
#EXCESSIVE EROSION	NOTED IN SW PUMPS STRAINER BACKWASH LINE AT COOPER*	153972 P240
#NRC NOT	NOTIFIED WITHIN TIME LIMIT OF REACTOR SCRAM AT PILGRIM 1*	159550 P512
#STEAM SUPPLY PIPING	NOZZLE WELD CRACKS AT HILLSTONE 1*	161471 P425
PILGRIM 1*	NRC NOT NOTIFIED WITHIN TIME LIMIT OF REACTOR SCRAM AT	159550 P512
#THREE UNAUTHORIZED TRANSFERS OF SPECIAL	NUCLEAR MATERIAL AT HATCH 1*	161949 P343
#A	NUMBER OF SRM PROBLEMS WERE ENCOUNTERED AT FITZPATRICK*	154585 P263
#REACTOR COOLANT LEAK DETECTION PARTICULATE CHAMBER COVER	NUTS STRIPPED AT PILGRIM 1*	159463 P522
#ENVIRONMENTAL AIR SAMPLE NOT	OBTAINED AT VERMONT YANKEE*	154605 P566
#MULTIPLE HPCI AND RCIC FAILURES	OCCUR AT PILGRIM 1*	159600 P510
AT BIG ROCK POINT*	#DAMAGE MIGHT OCCUR TO CONTAINMENT ISOLATION VENTILATION VALVE OPERATORS	156954 P 36
#FISH KILL	OCCURS AFTER A SHUT DOWN AT OYSTER CREEK*	154622 P348
#FISH KILL	OCCURS AFTER A SHUT DOWN AT OYSTER CREEK*	154622 P470
#MOMENTARY BREACH OF SECONDARY CONTAINMENT	OCCURS AT BROWNS FERRY 2*	155206 P 81
#SPURIOUS HPCI INITIATION	OCCURS AT HATCH 1*	156997 P318
#GROUND FAULT	OCCURS IN CONTAINMENT ISOLATION VALVE AT FITZPATRICK*	155587 P270
#WATER HAMMER	OCCURS IN ISOLATION CONDENSER PIPING AT HILLSTONE 1*	153942 P419
FERRY 2*	#SET POINT DRIFT OCCURS ON TURBINE PRESSURE PERMISSIVE SWITCHES AT BROWNS	157743 P 88
#DRYWELL SUMP FLOW TRANSMITTER FALLS	OFF AT BROWNS FERRY 3*	159492 P109
#HYDRAULIC ACCUMULATOR AIR VALVE BROKEN	OFF AT BROWNS FERRY 3*	161621 P119
#RHR PUMP TRIPS	OFF AT BRUNSWICK 1*	155507 P132
#VACUUM BREAKER VALVE INDICATING LIGHT FAILS	OFF AT HATCH 1*	160267 P322
#CONTAINMENT FILTER ACCESS COVER COMES	OFF AT NINE MILE POINT 1*	160871 P446
#FIRE ALARM INADVERTENTLY GOES	OFF AT PILGRIM 1*	154899 P505
#FIRE CHECK AT AUXILIARY	OFF GAS BUILDING MISSED AT PILGRIM 1*	159523 P516
#FLOW REDUCED TO CONDENSER	OFF GAS MONITORING SYSTEM INOPERABLE AT NINE MILE POINT 1*	159513 P444
#BOTH	OFF GAS RADIATION MONITOR FAILS AT FITZPATRICK*	160104 P260
#BOTH MAIN CHIMNEY	OFF GAS RADIATION MONITOR INOPERABLE AT PEACH BOTTOM 2*	161909 P486
ANALYSIS AT ARNOLD*	OFF GAS RADIATION MONITORS AT PILGRIM 1*	159610 P513
#OPENING AND CLOSING TIME OF RHR VALVE	OFF GAS RADIATION MONITORS DEGRADED AT MONTICELLO*	159204 P435
#COMPUTER HAS A SOFTWARE STALL AND GOES	OFF GAS RADIATION MONITORS INOPERABLE AT HILLSTONE 1*	160233 P422
1*	OFF GAS RADIATION MONITORS INOPERABLE AT VERMONT YANKEE*	154600 P568
#REACTOR STARTED WITH	OFF GAS SAMPLE PUMPS FAIL AT QUAD CITIES 1*	159231 P546
#ONE	OFF GAS STACK FILTER AND CARTRIDGE LOST ON SITE BEFORE	154675 P 26
#SUPPRESSION POOL LEVEL INDICATOR READS HIGH	OFF LIMITS AT HATCH 1*	154668 P301
#FEEDER BREAKER NOT RECLOSED FOLLOWING RESTORATION OF	OFF LINE AT BRUNSWICK 2*	154677 P167
#ONE	OFF SITE ELECTRIC POWER LINE TRIPS AT BROWNS FERRY 1*	159267 P 68
#ONE	OFF-GAS HYDROGEN ANALYZERS NOT TESTED ON TIME AT HILLSTONE	161679 P426
#RECIRCULATION PUMP LOW	OFF-GAS MONITORS INOPERABLE AT PEACH BOTTOM 2*	154736 P476
#DIESEL GENERATOR LUBE	OFF-GAS TIMER MISADJUSTED AT FITZPATRICK*	158628 P280
#LCW DIESEL GENERATOR GOVERNOR HYDRAULIC	OFF-SITE POWER SOURCE TRIPS AT PEACH BOTTOM 2*	156027 P477
#RECIRCULATION PUMP MOTOR	OFF-GAS HYDROGEN SAMPLE PUMP TRIPS AT HATCH 1*	159442 P334
#DIESEL GENERATOR TRIPS ON LOW LUBE	OFFSCALE AT BRUNSWICK 2*	155534 P168
#RECIRCULATION PUMP TRIPS ON LOW	OFFSITE POWER AT BROWNS FERRY 3*	156072 P105
#HPCI EMERGENCY	OFFSITE POWER LINE FAILS AT BROWNS FERRY 1*	156026 P 54
#HPCI AUXILIARY	OFFSITE POWER LINE FAILS AT BROWNS FERRY 2*	156031 P 84
#HPCI AUXILIARY	OFFSITE POWER LOST AT BROWNS FERRY 1*	155528 P 54
#DIESEL GENERATOR LUBE	OIL LEVEL ALARM SHORTS AT BROWNS FERRY 1*	156860 P 59
#DG AUXILIARY	OIL LEVEL DROPS BELOW LIMIT AT ARNOLD*	153730 P 2
#DIESEL	OIL LEVEL FOUND AT DUANE ARNOLD*	158616 P 9
#WASTE	OIL LEVEL IS LOW AT DUANE ARNOLD*	160265 P 11
POINT DRIFT AND FAILURE OF AVERAGE POWER RANGE MONITORS IN	OIL PRESSURE AT FITZPATRICK*	154949 P268
STARTUP AT HATCH 2*	OIL PRESSURE AT HATCH 2*	159315 P394
OYSTER CREEK*	OIL PUMP DISCHARGE LINE LEAKS AT QUAD CITIES 2*	158714 P556
#REACTOR STARTED UP WITH	OIL PUMP FAILS TO RUN AT BRUNSWICK 1*	155552 P131
#ONLY	OIL PUMP FEEDER BREAKER TRIPS AT HATCH 2*	154737 P354
	OIL PUMP FOUND INOPERABLE AT COOPER*	153455 P242
	OIL PUMP INOPERABLE AT BROWNS FERRY 3*	161683 P117
	OIL PUMP MOTOR TRIPS OUT AT BROWNS FERRY 3*	159490 P110
	OIL SPILLED INTO CANAL AT PEACH BOTTOM 2*	159483 P480
	OIL STORAGE AREA SOIL CONTAMINATED AT HATCH 1 AND 2*	162080 P345
	ONE CHANNEL AT FITZPATRICK*	158627 P280
	ONE CONTROL ROD NOT PULLED TO TARGET POSITION DURING	156132 P357
	ONE CORE SPRAY LOOP INOPERABLE AT MONTICELLO*	158553 P434
	ONE DILUTION PUMP OPERATING FOR TWENTY MINUTE PERIODS AT	153497 P488

60 F AT OYSTER CREEK*	#ONLY	ONE DILUTION PUMP OPERATING WHEN INTAKE TEMPERATURE BELOW	159070 P471
CONTAINMENT AT BROWNS FERRY 1*	#ONLY	ONE ISOLATION VALVE FOUND ON TWO SPARE LINES PENETRATING	155209 P 52
#CONTROL ROD HAS NO POSITION INDICATION FOR		ONE NOTCH AT BRUNSWICK 1*	153731 P128
#CONTROL ROD HAS NO POSITION INDICATION FOR		ONE NOTCH AT BRUNSWICK 2*	153735 P165
		# ONE OF THREE RCS SAMPLING POINTS ISOLATED AT DUANE ARNOLD*	160827 P 20
		# ONE OFF-SITE POWER SOURCE TRIPS AT PEACH BOTTOM 2*	156027 P477
		# ONE OFFSITE POWER LINE FAILS AT BROWNS FERRY 1*	156026 P 54
		# ONE OFFSITE POWER LINE FAILS AT BROWNS FERRY 2*	156031 P 84
		# ONE PIPING RESTRAINT FAILS TO MEET SEISMIC CRITERIA AT	155367 P 53
		# ONE POINT OF CHLORIDE INTRUSION MONITOR INDICATES	153732 P127
		# ONLY ONE DILUTION PUMP OPERATING FOR TWENTY MINUTE PERIODS	153497 P448
		# ONLY ONE DILUTION PUMP OPERATING WHEN INTAKE TEMPERATURE	159070 P471
		# ONLY ONE ISOLATION VALVE FOUND ON TWO SPARE LINES	155209 P 52
		# ONLY OPERABLE RECIRCULATION PUMP ACCIDENTALLY TRIPPED AT	155594 P 82
BROWNS FERRY 1*		OPEN AT BROWNS FERRY 1*	153490 P 46
DOWNSCALE AT BRUNSWICK 1*		OPEN AT BRUNSWICK 1*	159143 P146
AT OYSTER CREEK*		OPEN AT BRUNSWICK 1*	159199 P147
BELOW 60 F AT OYSTER CREEK*		OPEN AT BRUNSWICK 2*	160525 P187
PENETRATING CONTAINMENT AT BROWNS FERRY 1*		OPEN AT BRUNSWICK 2*	160082 P188
BROWNS FERRY 2*		OPEN AT BRUNSWICK 2*	161595 P194
		OPEN AT BRUNSWICK 2*	161653 P196
		OPEN AT COOPER*	162522 P258
		OPEN AT COOPER*	159246 P253
		OPEN AT COOPER*	162519 P259
		OPEN AT COOPER*	158704 P215
		OPEN AT DRESDEN 2*	160566 P220
		OPEN AT DRESDEN 2*	153944 P224
		OPEN AT DRESDEN 3*	156007 P228
		OPEN AT DRESDEN 3*	158231 P232
		OPEN AT DRESDEN 3*	160903 P238
		OPEN AT DUANE ARNOLD*	159059 P 15
		OPEN AT DUANE ARNOLD*	160501 P 21
		OPEN AT DUANE ARNOLD*	161716 P 22
		OPEN AT FITZPATRICK*	154669 P265
		OPEN AT FITZPATRICK*	153729 P266
		OPEN AT FITZPATRICK*	154660 P267
		OPEN AT FITZPATRICK*	158300 P276
		OPEN AT HATCH 1*	156991 P315
		OPEN AT HATCH 1*	158754 P321
		OPEN AT HATCH 1*	159314 P335
		OPEN AT HATCH 2*	154619 P347
		OPEN AT HATCH 2*	156143 P355
		OPEN AT HATCH 2*	156863 P378
		OPEN AT HATCH 2*	159629 P385
		OPEN AT HATCH 2*	159157 P387
		OPEN AT HATCH 2*	159317 P390
		OPEN AT HATCH 2*	160476 P396
		OPEN AT LA CROSSE*	157165 P413
		OPEN AT NINE MILE POINT 1*	159511 P443
		OPEN AT OYSTER CREEK*	154450 P449
		OPEN AT OYSTER CREEK*	157162 P456
		OPEN AT PEACH BOTTOM 2*	154740 P474
		OPEN AT PEACH BOTTOM 2*	161071 P483
		OPEN AT PEACH BOTTOM 3*	155416 P490
		OPEN AT PEACH BOTTOM 3*	156969 P493
		OPEN AT PEACH BOTTOM 3*	160140 P497
		OPEN AT PILGRIM 1*	158613 P508
		OPEN AT PILGRIM 1*	159490 P520
		OPEN AT PILGRIM 1*	160251 P525
		OPEN AT QUAD CITIES 1*	158751 P544
		OPEN AT QUAD CITIES 2*	160067 P559
		OPEN AT QUAD CITIES 2*	161455 P560
		OPEN AT QUAD-CITIES 2*	156942 P555
		OPEN AT QUAD-CITIES 2*	160878 P560
		OPEN AT QUAD-CITIES 2*	163334 P564
		OPEN AT VERMONT YANKEE*	153481 P565
		OPEN COMPLETELY AT BROWNS FERRY 1*	156211 P 56
		OPEN FULLY AT QUAD-CITIES 2*	160567 P559
		OPEN FULLY AT VERMONT YANKEE*	157039 P571
		OPEN INDICATION AT DRESDEN 3*	160266 P214
		OPEN VENTILATION ISOLATION VALVES AT PEACH BOTTOM 3*	163595 P475
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		OPENING FULLY AT OYSTER CREEK*	159309 P449
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		OPENS SPURIOUSLY AT PILGRIM 1*	160407 P528
		OPENS SPURIOUSLY AT PILGRIM 1*	160559 P532
		OPENS TOO SOON AT BROWNS FERRY 1*	154917 P 51
		OPERABILITY NOT VERIFIED BEFORE USE AT HATCH 2*	162423 P406
		OPERABILITY TEST AT HATCH 2*	156037 P368
		OPERABILITY TEST NOT PERFORMED CORRECTLY AT HATCH 1*	158599 P317
		OPERABILITY TEST NOT PERFORMED ON TIME AT BRUNSWICK 2*	158602 P178
		OPERABILITY TEST PROCEDURE REQUIRES MODIFICATION AT HATCH 2	159094 P386
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* FERRY 2*

#HPCI SYSTEM NOT	OPERABLE WHEN REQUIRED AT HATCH 1*	156091 P309
#CRD SCRAM ACCUMULATOR LEVEL SWITCH FAILS TO	OPERATE AT BROWNS FERRY 1*	155208 P 52
#HPCI VALVE FAILS TO	OPERATE AT BROWNS FERRY 1*	160179 P 67
#RHR TORUS RETURN VALVE FAILS TO	OPERATE AT BROWNS FERRY 1*	160155 P 72
#DRYWELL TO TORUS DIFFERENTIAL PRESSURE INDICATOR FAILS TO	OPERATE AT BROWNS FERRY 2*	154439 P 79
#REACTOR WATER LEVEL SWITCH FAILS TO	OPERATE AT BROWNS FERRY 2*	154438 P 80
#RECIRC SYSTEM FLOW CONTROL VALVE FAILS TO	OPERATE AT BROWNS FERRY 2*	154437 P 80
#CORE SPRAY DISCHARGE SWITCH FAILS TO	OPERATE AT BROWNS FERRY 2*	160285 P 90
#MAIN STEAM ISOLATION SWITCHES FAIL TO	OPERATE AT BROWNS FERRY 3*	158235 P106
#LEVEL INDICATING SWITCH FAILS TO	OPERATE AT BROWNS FERRY 3*	157715 P107
#CAD TANK FLOW CONTROL VALVES FAIL TO	OPERATE AT BRUNSWICK 2*	161655 P195
#INBOARD THROTTLE ISOLATION VALVE FAILS TO	OPERATE AT COOPER*	159465 P250
#HPCI VALVE FAILS TO	OPERATE AT DRESDEN 2*	157698 P212
#HPCI VALVE FAILS TO	OPERATE AT DRESDEN 2*	157686 P213
#HYDROGEN RECOMBINER SYSTEM FAILS TO	OPERATE AT HATCH 2*	157161 P377
#ROD BLOCK MONITOR FAILS TO	OPERATE AT HATCH 2*	159594 P384
#SCRAM DISCHARGE VOLUME VENT AND DRAIN VALVES FAIL TO	OPERATE AT PEACH BOTTOM 2*	159644 P479
#LIQUID LEVEL SWITCHES FAIL TO	OPERATE PROPERLY AT BROWNS FERRY 2*	155204 P 81
#FOUR RIP VALVES FAIL TO	OPERATE PROPERLY AT BRUNSWICK 1*	154731 P123
#REACTOR LO LO LEVEL SWITCH FAILS TO	OPERATE PROPERLY AT FITZPATRICK*	155293 P269
#REACTOR LOW-LOW WATER LEVEL SWITCH FAILS TO	OPERATE PROPERLY AT QUAD CITIES 1*	155369 P540
#STANDBY GAS TREATMENT SYSTEM	OPERATED IN DEGRADED MODE AT OYSTER CREEK*	160354 P463
#CONTAINMENT PURGE	OPERATED TOO LONG WHEN INTEGRITY REQUIRED AT HATCH 2*	158652 P380
#ONLY ONE DILUTION PUMP	OPERATING FOR TWENTY MINUTE PERIODS AT CYSTER CREEK*	153497 P448
#STANDBY SERVICE WATER PUMP DOES NOT HEAT	OPERATING AT HATCH 1*	157721 P302
#ONLY ONE DILUTION PUMP	OPERATING WHEN INTAKE TEMPERATURE BELOW 60 F AT OYSTER	159070 P471
#ERRONEOUS MANUAL	OPERATION OF A RELAY TRIPS RECIRC PUMP AT BROWNS FERRY 2*	155365 P 82
DISCOVERED AT HATCH 1*	OPERATION WITHIN A SINGLE FAILURE CRITERIA REGION	158292 P319
#WASTE LINE VALVE	OPERATOR FAILS TO OPEN AT COOPER*	162519 P259
#FEEDWATER/HPCI FLOW CONTROL VALVE	OPERATOR LEAKS AT NINE MILE POINT 1*	163380 P448
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#NO FAILURE - STATION	ORGANIZATION CHANGED AT PILGRIM 1*	160229 P523
#FUEL ASSEMBLY LOADED 90 DEGREES FROM PROPER	ORIENTATION AT BROWNS FERRY 1*	160447 P 72
#HPCI STEAM THROTTLE VALVE	OSCILLATES AT PILGRIM 1*	160344 P524
#HPCI STEAM THROTTLE VALVE	OSCILLATES AT PILGRIM 1*	160240 P524
#CONTROL ROD DRIFTS	OUT AT BROWNS FERRY 2*	158725 P 88
#DG AUXILIARY OIL PUMP MOTOR TRIPS	OUT AT BROWNS FERRY 3*	159490 P110
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#MAIN STEAM LINE HIGH RADIATION MONITOR	OUT OF CALIBRATION AT BRUNSWICK 1*	154510 P125
#REACTOR LOW PRESSURE SWITCH IS	OUT OF CALIBRATION AT BRUNSWICK 2*	159690 P181
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#RECIRC LOOP TEMPERATURE INSTRUMENTS	OUT OF CALIBRATION AT FITZPATRICK*	154654 P268
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#NARROW RANGE TORUS WATER LEVEL TRANSMITTER	OUT OF CALIBRATION AT HATCH 2*	154948 P348
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#MSIV CLOSURE TIME	OUT OF LIMITS AT DRESDEN 2*	154616 P209
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#CONTAINMENT HYDROGEN	OXYGEN ANALYZER INOPERABLE AT HATCH 2*	160040 P397
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#SET POINT DRIFT IN REACTOR WATER LEVEL SENSORS AT	OYSTER CREEK*	159672 P463
#SET POINT DRIFT IN MSIV LOW PRESSURE SENSORS AT	OYSTER CREEK*	159675 P464
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#CONTAINMENT SAMPLE EXHAUST PUMP FAILS AT	PEACH BOTTOM 3*	160489	PA98
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#CRACK DISCOVERED IN HPCI TURBINE COUPLING BEARING SUPPORT	PEDESTAL AT BROWNS FERRY 2*		155489
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#TURBINE CONTROL VALVE FAST CLOSURE TEST NOT	PERFORMED AT HATCH 1*		154665
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ARNOLD*	POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCHES AT	155512 P 5
DUANE ARNOLD*	POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCHES AT	161763 P467
OYSTER CREEK*	POINT DRIFT IN CONTAINMENT SPRAY SWITCHES AT OYSTER CREEK*	162041 P470
	POINT DRIFT IN CONTAINMENT VENT AND FUEL POOL MONITORS AT	156336 P229
DRESDEN 3*	POINT DRIFT IN CONTROL ROD DRIVE ACCUMULATOR PRESSURE	158644 P378
INDICATORS AT HATCH 2*	POINT DRIFT IN CORE SPRAY PERMISSIVE SWITCH AT FITZPATRICK*	154664 P265
	POINT DRIFT IN CORE SPRAY PRESSURE SWITCH AT DUANE ARNOLD*	160353 P 17
	POINT DRIFT IN CORE SPRAY PRESSURE SWITCH AT PEACH BOTTOM 2	160550 P483
	POINT DRIFT IN CORE SPRAY PRESSURE SWITCHES AT OYSTER CREEK	162044 P469
	POINT DRIFT IN CORE SPRAY PUMP DISCHARGE PRESSURE SWITCH	154017 P488
	POINT DRIFT IN CORE SPRAY SWITCH AT BROWNS FERRY 1*	163338 P 78
BOTTOM 2*	POINT DRIFT IN DEMINERALIZER TEMPERATURE SWITCH AT PEACH	162047 P487
FERRY 3*	POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCH AT BROWNS	161598 P118
	POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCH AT DUANE ARNOLD	161990 P 23
CREEK*	POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCHES AT OYSTER	160817 P465
	POINT DRIFT IN DRYWELL PRESSURE SWITCH AT PEACH BOTTOM 3*	157744 P494
	POINT DRIFT IN ELECTROHYDRAULIC CONTROL FLUID PRESSURE	156962 P542
SWITCH AT QUAD-CITIES 1*	POINT DRIFT IN FISSION PRODUCT MONITOR AT HATCH 1*	162743 P343

CREEK*	#SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCH AT FITZPATRICK*	160435 P291
CREEK*	#SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCHES AT HATCH 2*	154940 P351
BRUNSWICK 1*	#SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCHES AT HATCH 2*	158774 P387
BRUNSWICK 1*	#SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCHES AT OYSTER	160326 P462
*	#SET POINT DRIFT IN HIGH STEAMLINE RADIATION CHANNEL AT	161644 P466
*	#SET POINT DRIFT IN HIGH STEAMLINE RADIATION CHANNEL AT	157057 P134
	#SET POINT DRIFT IN HPCI DIFFERENTIAL PRESSURE SWITCH AT HATCH 1	160317 P142
	#SET POINT DRIFT IN HPCI DIFFERENTIAL PRESSURE SWITCH AT HATCH 1	154492 P161
	#SET POINT DRIFT IN HPCI EXHAUST PRESSURE SWITCHES AT HATCH 2*	154492 P298
	#SET POINT DRIFT IN HPCI EXHAUST PRESSURE SWITCHES AT HATCH 2*	156130 P356
	#SET POINT DRIFT IN HPCI STEAM FLOW SENSOR AT PEACH BOTTOM 2*	160485 P481
	#SET POINT DRIFT IN HPCI STEAM LINE DP SWITCH AT HATCH 2*	161872 P400
BROWNS FERRY 1*	#SET POINT DRIFT IN HPCI STEAM LINE FLOW SWITCH AT HATCH 2*	158771 P386
2*	#SET POINT DRIFT IN HPCI STEAM LINE SPACE TEMPERATURE SWITCH AT	161796 P 77
1*	#SET POINT DRIFT IN HPCI STEAMLINE HIGH D/P SWITCH AT BRUNSWICK	156107 P173
AT QUAD CITIES 1*	#SET POINT DRIFT IN HPCI STEAMLINE LOW PRESSURE SWITCH AT HATCH	161614 P342
	#SET POINT DRIFT IN HPCI TURBINE AREA HIGH TEMPERATURE SWITCH	160451 P547
	#SET POINT DRIFT IN HPCI TURBINE PRESSURE SWITCH AT HATCH 2*	160519 P399
AT DRESDEN 2*	#SET POINT DRIFT IN ISOLATION CONDENSER CONDENSATE FLOW SWITCH	159243 P215
*	#SET POINT DRIFT IN ISOLATION CONDENSER FLOW SWITCH AT DRESDEN 2	160002 P211
	#SET POINT DRIFT IN LOW REACTOR LEVEL SWITCHES AT COOPER*	161622 P256
	#SET POINT DRIFT IN LOW WATER LEVEL SCRAM SWITCH AT MILLSTONE 1*	160923 P424
DRESDEN 2*	#SET POINT DRIFT IN LPCI DRYWELL HIGH PRESSURE SWITCH AT	163379 P222
	#SET POINT DRIFT IN LPCI DRYWELL HIGH PRESSURE SWITCH AT	157044 P507
AT MONTICELLO*	#SET POINT DRIFT IN MAIN STEAM LINE AREA TEMPERATURE SWITCHES	156044 P430
MILLSTONE 1*	#SET POINT DRIFT IN MAIN STEAM LINE HIGH FLOW SWITCH AT	155195 P420
BRUNSWICK 1*	#SET POINT DRIFT IN MAIN STEAM LINE HIGH RADIATION MONITOR AT	154882 P130
MONTICELLO*	#SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT	155191 P428
PEACH BOTTOM 2*	#SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT	162487 P486
CITIES 2*	#SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT QUAD	159342 P557
*	#SET POINT DRIFT IN MAIN STEAM LINE PRESSURE SWITCH AT DRESDEN 2	163515 P223
BRUNSWICK 2*	#SET POINT DRIFT IN MAIN STEAM LINE RADIATION MONITOR AT	154559 P162
HATCH 2*	#SET POINT DRIFT IN MAIN STEAM LINE TEMPERATURE SWITCHES AT	157129 P361
	#SET POINT DRIFT IN MAIN STEAM RELIEF VALVES AT VERMONT YANKEE*	160930 P578
FERRY 2*	#SET POINT DRIFT IN MAINSTEAM LINE HIGH FLOW SWITCH AT BROWNS	153489 P 79
	#SET POINT DRIFT IN MSIV LOW PRESSURE SENSORS AT OYSTER CREEK*	159675 P464
	#SET POINT DRIFT IN PRESSURE RELIEF VALVE AT VERMONT YANKEE*	160535 P579
	#SET POINT DRIFT IN PRESSURE SWITCH AT BROWNS FERRY 3*	161620 P119
VERMONT YANKEE*	#SET POINT DRIFT IN RCIC DIFFERENTIAL PRESSURE SWITCH AT	153480 P565
	#SET POINT DRIFT IN RCIC EXHAUST PRESSURE SWITCH AT BRUNSWICK 2*	155317 P173
	#SET POINT DRIFT IN RCIC FLOW INSTRUMENT AT HATCH 1*	154493 P298
	#SET POINT DRIFT IN RCIC FLOW SWITCH AT HATCH 1*	156096 P309
	#SET POINT DRIFT IN RCIC HIGH STEAM FLOW SWITCH AT FITZPATRICK*	154653 P261
BROWNS FERRY 3*	#SET POINT DRIFT IN RCIC REACTOR WATER LEVEL TRIP SWITCH AT	159284 P113
FITZPATRICK*	#SET POINT DRIFT IN RCIC STEAM LINE LOW PRESSURE SWITCH AT	163404 P296
HATCH 1*	#SET POINT DRIFT IN RCIC TURBINE EXHAUST PRESSURE SWITCHES AT	155326 P307
BOTTOM 3*	#SET POINT DRIFT IN RCIC TURBINE STEAM FLOW SWITCH AT PEACH	155347 P491
AT PEACH BOTTOM 2*	#SET POINT DRIFT IN RCIC TURBINE STEAM LINE HIGH FLOW SWITCHES	161779 P484
OYSTER CREEK*	#SET POINT DRIFT IN REACTOR HIGH PRESSURE SCRAM SENSORS AT	159326 P460
FERRY 2*	#SET POINT DRIFT IN REACTOR HIGH PRESSURE SWITCHES AT BROWNS	159336 P 90
	#SET POINT DRIFT IN REACTOR HIGH PRESSURE SWITCHES AT HATCH 2*	160370 P396
	#SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK POINT*	157074 P 34
	#SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK POINT*	157076 P 35
	#SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK POINT*	160170 P 41
OYSTER CREEK 1*	#SET POINT DRIFT IN REACTOR LO-LC-LO WATER LEVEL SWITCHES AT	161873 P468
3*	#SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT BROWNS FERRY	157716 P109
	#SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT BRUNSWICK 2*	159604 P178
	#SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT BRUNSWICK 2*	161985 P193
YANKEE*	#SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT VERMONT	154714 P566
*	#SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCHES AT BRUNSWICK 2	158755 P171
CREEK*	#SET POINT DRIFT IN REACTOR LOW WATER LEVEL SENSOR AT OYSTER	160148 P465
1*	#SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT BRUNSWICK	160301 P139
1*	#SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT BRUNSWICK	156932 P143
2*	#SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT BRUNSWICK	156938 P178
2*	#SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT BRUNSWICK	161652 P197
CITIES 1*	#SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT QUAD	156912 P543
BRUNSWICK 2*	#SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCHES AT	161069 P182
	#SET POINT DRIFT IN REACTOR PRESSURE SWITCH AT BROWNS FERRY 2*	156948 P 87
	#SET POINT DRIFT IN REACTOR PRESSURE SWITCH AT HATCH 2*	160450 P397
	#SET POINT DRIFT IN REACTOR PRESSURE SWITCHES AT BROWNS FERRY 3*	153456 P102
BRUNSWICK 1*	#SET POINT DRIFT IN REACTOR VESSEL SHROUD LEVEL SWITCH AT	154554 P124
PEACH BOTTOM 3*	#SET POINT DRIFT IN REACTOR WATER CLEANUP TEMPERATURE SWITCH AT	160431 P498
*	#SET POINT DRIFT IN REACTOR WATER LEVEL SENSORS AT OYSTER CREEK*	159672 P463
	#SET POINT DRIFT IN REACTOR WATER LEVEL SWITCH AT BROWNS FERRY 2	155205 P 81
	#SET POINT DRIFT IN REACTOR WATER LEVEL SWITCH AT DRESDEN 2*	155197 P208
	#SET POINT DRIFT IN REACTOR WATER LEVEL SWITCHES AT FITZPATRICK*	163361 P295
POINT*	#SET POINT DRIFT IN REACTOR WATER LEVEL TRANSMITTER AT BIG ROCK	158777 P 37
*	#SET POINT DRIFT IN RECIRCULATION VALVE SWITCH AT BROWNS FERRY 3	161934 P122
DRESDEN 2*	#SET POINT DRIFT IN REFUELING FLOW RADIATION MONITOR AT	160624 P221
ARNOLD*	#SET POINT DRIFT IN RHR LOW PRESSURE PERMISSIVE SWITCH AT QUANE	155510 P 4
	#SET POINT DRIFT IN RHR PUMP START RELAY AT HATCH 2*	156133 P358
	#SET POINT DRIFT IN RPS LEVEL SWITCH AT DRESDEN 3*	161460 P237
FITZPATRICK*	#SET POINT DRIFT IN SHUTDOWN COOLING PERMISSIVE SWITCHES AT	158634 P281
BOTTOM 3*	#SET POINT DRIFT IN SHUTDOWN COOLING PRESSURE SWITCH AT PEACH	159410 P493
AT HATCH 2*	#SET POINT DRIFT IN SHUTDOWN COOLING SYSTEM PRESSURE SWITCHES	158662 P379
	#SET POINT DRIFT IN SOURCE RANGE MONITOR AT DRESDEN 3*	161456 P235
HATCH 1*	#SET POINT DRIFT IN STANDBY LIQUID CONTROL RELIEF VALVE AT	154889 P303

RESIDEN 3*	#SET	POINT DRIFT IN STEAM LINE OVER TEMPERATURE SWITCH AT	155445 P229
*	#SET	POINT DRIFT IN STEAM LINE PRESSURE SWITCH AT PEACH BOTTOM 2	161961 P485
	#SET	POINT DRIFT IN THREE RELIEF VALVES AT ARNOLD*	156225 P 6
MILE POINT 1*	#SET	POINT DRIFT IN TURBINE ANTICIPATORY TRIP SWITCH AT NINE	159235 P442
HATCH 2*	#SET	POINT DRIFT IN TURBINE CONTROL VALVE PRESSURE SWITCH AT	156118 P359
SWITCHES AT BROWNS FERRY 1*	#SET	POINT DRIFT IN TURBINE FIRST STAGE PRESSURE PERMISSIVE	159418 P 88
POINT 1*	#SET	POINT DRIFT IN TURBINE REACTOR SCRAM SWITCHES AT NINE MILE	160313 P444
AT BROWNS FERRY 2*	#SET	POINT DRIFT OCCURS ON TURBINE PRESSURE PERMISSIVE SWITCHES	157743 P 88
CITIES 1*	#SET	POINT DRIFT OF HIGH DRYWELL PRESSURE SWITCH FOUND AT QUAD	156964 P543
	#SET	POINT DRIFTS IN CORE SPRAY PUMP PRESSURE SWITCH AT HATCH 2*	160455 P397
	#CORE SPRAY PIPE BREAK DETECTOR SET	POINT EXCEEDS LIMIT AT FITZPATRICK*	155303 P270
	#INCORRECT SET	POINT FOUND IN REACTOR LEVEL SWITCH AT HATCH 1*	161951 P341
	#INCORRECT SET	POINT IN REACTOR LEVEL SWITCH AT BROWNS FERRY 2*	161866 P 99
	#REACTOR HIGH PRESSURE SWITCH	POINT INCORRECT AT HATCH- 2*	159305 P394
	#PRESSURE RELIEF SET	POINT INCORRECT FOR CORE SPRAY AT CYSTER CREEK*	160257 P457
	#REACTOR WATER LEVEL SWITCHES EXCEED SET	POINT LIMIT AT PILGRIM 1*	160345 P52
	#SET	POINT MAIN STEAM LINE PRESSURE SWITCH AT HATCH 2*	161473 P401
	#ONE	POINT OF CHLORIDE INTRUSION MONITOR INDICATES DOWNSCALE AT	153732 P127
BRUNSWICK 1*		POINT 1*	124932 P440
#LO LO LO REACTOR WATER LEVEL SETPOINT RAISED AT NINE	MILE	POINT 1*	160001 P441
#MAIN STEAM ISOLATION VALVES FAIL TO CLOSE AT NINE	MILE	POINT 1*	160003 P441
#LOSS OF FLOW TO STACK GAS SAMPLING SYSTEM AT NINE	MILE	POINT 1*	158697 P441
#CONTAINMENT SPRAY ISOLATION VALVE FAILS AT NINE	MILE	POINT 1*	158780 P443
#CENTROL ROD FAILS TO SCRAM AT NINE	MILE	POINT 1*	159511 P443
#ELECTROMAGNETIC RELIEF VALVE FAILS TO OPEN AT NINE	MILE	POINT 1*	159513 P444
#OFF GAS MONITORING SYSTEM INOPERABLE AT NINE	MILE	POINT 1*	159424 P445
#DIESEL GENERATOR DAY TANK DRAINS AT NINE	MILE	POINT 1*	159258 P445
#SECONDARY CONTAINMENT INTEGRITY VIOLATED AT NINE	MILE	POINT 1*	160862 P446
#AVERAGE POWER RANGE MONITOR FAILS AT NINE	MILE	POINT 1*	160871 P446
#CONTAINMENT FILTER ACCESS COVER COMES OFF AT NINE	MILE	POINT 1*	160313 P444
POINT DRIFT IN TURBINE REACTOR SCRAM SWITCHES AT NINE	MILE	POINT 1*	155298 P440
EFFLUENT DISCHARGE TEMPERATURE EXCEEDS LIMIT AT NINE	MILE	POINT 1*	#AVERAGE 154448 P432
PLANAR HEAT GENERATION RATE EXCEEDS LIMIT AT NINE	MILE	POINT 1*	#INDICATED 154447 P439
TEMPERATURE ACROSS CONDENSER EXCEEDS LIMIT AT NINE	MILE	POINT 1*	#SET POINT 159235 P442
DRIFT IN TURBINE ANTICIPATORY TRIP SWITCH AT NINE	MILE	POINT 1*	#INSTRUMENT 160058 P446
PROCEDURE NOT APPROVED IN TIME LIMIT AT NINE	MILE	POINT 1*	#CIRCULATING 158696 P442
WATER DELTA TEMPERATURE EXCEEDS LIMIT AT NINE	MILE	POINT 1*	#AVERAGE PLANAR 154445 P439
LINEAR HEAT GENERATION RATE EXCEEDS LIMIT AT NINE	MILE	POINT 1*	#EMERGENCY VENT 154446 P439
SYSTEM CHARCOAL NOT ANALYZED WHEN REQUIRED AT NINE	MILE	POINT 1*	#FEEDWATER/HPCI 163380 P448
FLOW CONTROL VALVE OPERATOR LEAKS AT NINE	MILE	POINT 1*	#CARDCK TANK PRESSURE 158593 P442
FALLS BELOW LIMIT WITHOUT ANNUNCIATION AT NINE	MILE	POINT 1*	153498 P 31
#BOTH PLANT VENT EXHAUST FANS OUT OF SERVICE AT	BIG ROCK	POINT*	153975 P 31
#UPDATE REPORT ON CONTROL ROD DRIVE TEMPERATURE AT	BIG ROCK	POINT*	157053 P 31
#ADS SENSOR CHANNEL REMOVED FROM SERVICE AT	BIG ROCK	POINT*	155473 P 34
#CONTROL ROD DRIVE PUMP VIBRATES EXCESSIVELY AT	BIG ROCK	POINT*	157074 P 34
#SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT	BIG ROCK	POINT*	157076 P 35
#SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT	BIG ROCK	POINT*	160291 P 38
#PRESSURE INDICATOR SWITCH FAILS AT	BIG ROCK	POINT*	159288 P 38
#REACTOR DEPRESSURIZATION SYSTEM INOPERABLE AT	BIG ROCK	POINT*	159256 P 39
#RDS BATTERY HAS LOW SPECIFIC GRAVITY AT	BIG ROCK	POINT*	159257 P 39
#RDS SENSOR CHANNEL INOPERABLE AT	BIG ROCK	POINT*	160043 P 40
#CONTAINMENT ISOLATION VALVE LEAKS ACROSS SEAT AT	BIG ROCK	POINT*	160170 P 41
#SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT	BIG ROCK	POINT*	163495 P 41
#RDS CHANNEL REMOVED FROM SERVICE AT	BIG ROCK	POINT*	163500 P 42
#DEMINERALIZER SYSTEM PUMP LEAKS AT	BIG ROCK	POINT*	161674 P 42
#MAIN STEAM ISOLATION VALVE FAILS TO CLOSE AT	BIG ROCK	POINT*	161469 P 42
#ANION RESIN TANK LEAKS AT	BIG ROCK	POINT*	161980 P 43
#DIESEL GENERATOR FAILS TO REACH OUTPUT VOLTAGE AT	BIG ROCK	POINT*	161982 P 43
#DIESEL GENERATOR FAILS TO RUN AT	BIG ROCK	POINT*	161983 P 44
#FEEDWATER CHECK VALVES LEAKS AT	BIG ROCK	POINT*	162017 P 44
#CONTAINMENT ISOLATION VALVE LEAKS AT	BIG ROCK	POINT*	161911 P 45
#LEAK IN CONTROL ROD DRIVE SYSTEM RETURN LINE AT	BIG ROCK	POINT*	161913 P 45
#CRACK IN REACTOR CLEANUP SYSTEM LINE AT	BIG ROCK	POINT*	159680 P444
#REACTOR FEEDWATER PUMP SEAL LEAKS AT NINE	MILE	POINT*	163383 P447
#MILK SAMPLE IODINE ACTIVITY EXCEEDS LIMIT AT NINE	MILE	POINT*	153935 P 29
UPDATE REPORT ON CONTROL ROD DRIVE HOUSING LEAK AT	BIG ROCK	POINT*	#SET 158777 P 37
POINT DRIFT IN REACTOR WATER LEVEL TRANSMITTER AT	BIG ROCK	POINT*	#DIESEL 163389 P 44
FIRE/CORE SPRAY PUMP FAILS TO START IN TIME AT	BIG ROCK	POINT*	#UPDATE 153973 P 30
REPORT ON PRIMARY SYSTEM WATER LEVEL SENSORS AT	BIG ROCK	POINT*	#CONTROL 154459 P 32
AIR TUBING TO AUX SYSTEM COOLING VALVE BROKEN AT	BIG ROCK	POINT*	#REACTOR 154904 P 32
DEPRESSURIZING SYSTEM BATTERY CELL FAILS AT	BIG ROCK	POINT*	#REACTOR 159088 P 37
DEPRESSURIZING SYSTEM CHANNEL BATTERY FAILS AT	BIG ROCK	POINT*	#REACTOR 160072 P 40
DEPRESSURIZING BATTERY FAILS TO HOLD CHARGE AT	BIG ROCK	POINT*	#EMERGENCY 154457 P 31
CONDENSER OUTLET VALVE LEAKS THROUGH SEAT AT	BIG ROCK	POINT*	#EQUIPMENT 156984 P 34
AND PERSONNEL LOCK LEAKAGE TESTS NOT PERFORMED AT	BIG ROCK	POINT*	#CONTAINMENT 159293 P 39
DESIGN REVIEWED FOR STEAM LINE BREAKS AT	BIG ROCK	POINT*	#CONTAINMENT 163388 P 45
ISOLATION VALVES* LEAK RATES EXCEED LIMIT AT	BIG ROCK	POINT*	#CONTROL ROD 163384 P447
DRIVE SCRAM PILOT SOLENOIDS NOT TESTED ON TIME AT NINE	MILE		

CHANNEL OF REACTOR DEPRESSURIZING SYSTEM AT BIG ROCK	POINT*	#SETPPOINT DRIFTS IN SENSORS	158268 P 37
ISOLATION VENTILATION VALVE OPERATORS AT BIG ROCK	POINT*	#DAMAGE MIGHT OCCUR TO CONTAINMENT	156954 P 36
#TURBINE FIRST STAGE PRESSURE SWITCH SET	POINTS HIGH AT BROWNS FERRY 3*		159245 P114
#ONE OF THREE RCS SAMPLING	POINTS ISOLATED AT DUANE ARNOLD*		160827 P 20
#EMERGENCY BUS MONITOR RELAY TERMINAL	POINTS OVERHEAT AT HATCH 2*		158310 P367
#SUPPRESSION	POOL COOLER PUMP LOSES POWER AT HUMBOLDT BAY*		160292 P410
#SUPPRESSION	POOL COOLING INBOARD THROTTLE VALVE FAILS AT COOPER*		159247 P253
#SUPPRESSION	POOL COOLING VALVE FAILS TO CLOSE AT QUAD CITIES 2*		158495 P556
#SUPPRESSION	POOL EXHAUST VALVE FAILS TO CLOSE AT BRUNSWICK 2*		160487 P185
#SUPPRESSION	POOL LEVEL EXCEEDS LIMIT AT BRUNSWICK 2*		160514 P190
#SUPPRESSION	POOL LEVEL INDICATOR READS HIGH OFFSCALE AT BRUNSWICK 2*		155534 P168
#SUPPRESSION	POOL LEVEL OUT OF LIMITS THREE TIMES AT QUAD CITIES 1*		153947 P537
#SET POINT DRIFT IN CONTAINMENT VENT AND FUEL	POOL MONITORS AT DRESDEN 3*		156336 P229
#MANUAL VALVE ON HPCI SUPPRESSION	POOL SUCTION LINE FOUND CLOSED AT BRUNSWICK 1*		155515 P132
#RESIDUAL HEAT REMOVAL SYSTEM CONTROL VALVE TRIPS IN MID-	POSITION AT BROWNS FERRY 3*		154707 P103
#CONTAINMENT ISOLATION VALVE FAILS TO INDICATE	POSITION AT BRUNSWICK 2*		161654 P196
#CONTROL ROD UNCOUPLED IN FULL WITHDRAWN	POSITION AT DRESDEN 2*		155372 P210
#MAIN STEAM LINE DRAIN VALVE FAILS IN MID	POSITION AT HATCH 1*		154667 P301
#ONE CONTROL ROD NOT PULLED TO TARGET	POSITION DURING STARTUP AT HATCH 2*		156132 P357
#CONTROL ROD	POSITION INDICATION FAILS AT BRUNSWICK 1*		156175 P135
#CONTROL ROD	POSITION INDICATION FAILS AT BRUNSWICK 1*		160304 P141
#CONTROL ROD	POSITION INDICATION FAILS AT BRUNSWICK 1*		161687 P135
#TRAVERSING INCORE PROBE	POSITION INDICATION FAILS AT BRUNSWICK 2*		162706 P202
#CONTROL ROD	POSITION INDICATION FAILS AT DRESDEN 2*		159447 P216
#CONTROL ROD HAS NO	POSITION INDICATION FOR ONE NOTCH AT BRUNSWICK 1*		153731 P128
#CONTROL ROD HAS NO	POSITION INDICATION FOR ONE NOTCH AT BRUNSWICK 2*		153735 P165
#CONTROL ROD	POSITION INDICATION INCORRECT AT BRUNSWICK 2*		161626 P198
#RCIC VALVE	POSITION INDICATION LOST AT BROWNS FERRY 1*		160905 P 74
#CONTROL ROD	POSITION INDICATION LOST AT DRESDEN 2*		160056 P220
#CONTROL ROD	POSITION INDICATION LOST AT DRESDEN 2*		160925 P220
#ALL ROD	POSITION INDICATION LOST AT VERMONT YANKEE*		154604 P567
#CONTROL ROD	POSITION INDICATIONS FAIL AT BRUNSWICK 2*		160146 P182
#TWO CONTROL ROD	POSITION INDICATIONS LOST AT BRUNSWICK 1*		163506 P157
#CONTROL ROD	POSITION INDICATOR FAILS AT BRUNSWICK 1*		158600 P144
#DRYWELL VACUUM BREAKER	POSITION INDICATOR FAILS AT HATCH 1*		159486 P336
#CONTROL ROD	POSITION INDICATOR LIGHT FAILS TO LIGHT AT BRUNSWICK 1*		154712 P125
#CONTROL ROD	POSITION INDICATORS FAIL AT BRUNSWICK 1*		159197 P146
#CONTROL ROD	POSITION INDICATORS FAIL AT BRUNSWICK 1*		160108 P149
#CONTROL ROD	POSITION LIGHTS REMAIN ON WHEN RODS MOVED AT OYSTER CREEK*		158695 P456
#CONTROL ROD	POSITION SWITCH AND ROD BLOCK INOPERABLE AT VERMONT YANKEE*		160895 P576
HATCH 1*	#POST LOCA MONITOR CALIBRATION NOT PERFORMED ON TIME AT		157089 P314
EXISTS AT VERMONT YANKEE*	POT LEVEL CONTROL VALVE PACKING RUPTURES AT ARNOLD*		154711 P 1
FERRY 1*	POTENTIAL FOR HIGH OR LOW VOLTAGE ON 4160 AND 480V SYSTEMS		155497 P570
	POTENTIAL FOR LOSS OF SECONDARY CONTAINMENT AT BROWNS		155192 P 51
	POWER AND TRANSFER CLOSED AT BROWNS FERRY 3*		157005 P106
	POWER AT BROWNS FERRY 1*		157017 P 59
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	POWER BUS AT ARNOLD*		156083 P 8
	POWER CABLES AT MONTICELLO*		156012 P433
	POWER CABLES UNDERSIZED AT HATCH 2*		156881 P369
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	POWER FAILS AT VERMONT YANKEE*		160337 P575
	POWER FROM UNINTERRUPTABLE POWER SYSTEM INTERRUPTED AT		157081 P571
	POWER FUSE OPENS AT MONTICELLO*		158818 P434
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	POWER LINE FAILS AT BROWNS FERRY 1*		156026 P 54
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	POWER LOST AT BROWNS FERRY 1*		155528 P 54
	POWER LOST TO EMERGENCY SWITCHGEAR BUS AT HATCH 2*		159067 P388
	POWER LOST TO SBLC SYSTEM AT PEACH BOTTOM 2*		160480 P482
	POWER LOST TO 125 VDC POWER BUS AT ARNOLD*		156083 P 8
	POWER RANGE MONITOR AT BROWNS FERRY 3*		161633 P118
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	POWER RANGE MONITOR INOPERABLE AT FITZPATRICK*		156955 P277
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	POWER RANGE MONITORS IN ONE CHANNEL AT FITZPATRICK*		158627 P280
	POWER RANGE MONITORS INOPERATIVE AT BRUNSWICK 1*		159211 P147
	POWER RATIO IS LESS THAN LIMIT AT BRUNSWICK 2*		155575 P166
	POWER SOURCE TRIPS AT PEACH BOTTOM 2*		156027 P477
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	POWER SUPPLY FOR RCIC STEAM LEAK DETECTION SYSTEM FAILS		154621 P347
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	POWER TO CORE SPRAY LOOP VALVES LOST AT PEACH BOTTOM 3*		160000 P492
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#LOW	PRESSURE	ALARM RECEIVED ON A HCU ACCUMULATOR AT HATCH 1*	155541 P307
#REACTOR	PRESSURE	AND COOLANT TEMPERATURE EXCEED LIMIT AT DRESDEN 3*	163344 P240
#SCRAM TIMING TEST PERFORMED WITH WRONG RCS	PRESSURE	AT BROWNS FERRY 1*	157046 P 57
#DIESEL GENERATOR TRIPS ON LOW LUBE OIL	PRESSURE	AT FITZPATRICK*	154949 P268
#CONTROL ROD DRIVE ACCUMULATORS FAIL TO MAINTAIN NITROGEN	PRESSURE	AT HATCH 1*	160269 P321
#DIESEL GENERATOR INOPERABLE DUE TO LOW AIR	PRESSURE	AT HATCH 1*	159508 P324
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PILGRIM 1*	PRESSURE	BOUNDARY LEAK DETECTION MONITOR ISOLATED AT	158768 P513
#REACTOR	PRESSURE	CALIBRATION PROCEDURE NOT REVIEWED AT HATCH 2*	161874 P401
#REACTOR	PRESSURE	CHANNEL AT HATCH 1*	154881 P304
#LOW READING IN DRYWELL-TORUS DIFFERENTIAL	PRESSURE	DROP ACROSS HEPA FILTER EXCEEDS LIMIT AT OYSTER	160520 P466
CREEK 1*	PRESSURE	EXCEEDS LIMIT AT QUAD CITIES 2*	154916 P551
#SLC RELIEF VALVES UNTIL	PRESSURE	FALLS BELOW LIMIT AT FITZPATRICK*	155305 P270
#DRYWELL TO TORUS DIFFERENTIAL	PRESSURE	FALLS BELOW LIMIT AT FITZPATRICK*	157084 P275
#DRYWELL TO TORUS DIFFERENTIAL	PRESSURE	FALLS BELOW LIMIT TOO LONG AT VERMONT YANKEE*	159171 P574
#DRYWELL TO TORUS DIFFERENTIAL	PRESSURE	FALLS BELOW LIMIT WITHOUT ANNUNCIATION AT NINE	158593 P442
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#CARDX TANK	PROCEDURE	INDICATOR FAILS TO OPERATE AT BROWNS FERRY 2*	154439 P 79
#DRYWELL TO TORUS DIFFERENTIAL	PRESSURE	INDICATOR READS HIGH AT BRUNSWICK 1*	154730 P123
#DRYWELL TO TORUS DIFFERENTIAL	PRESSURE	INDICATOR SWITCH FAILS AT BIG ROCK POINT*	160291 P 38
#DRYWELL	PRESSURE	INDICATORS AT HATCH 2*	158644 P378
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#JET PUMP DIFFERENTIAL	PRESSURE	LIMIT AT HATCH 1*	153503 P161
#HPCI STEAM SUPPLY VALVES CLOSE ABOVE	PRESSURE	LIMIT AT HATCH 1*	153503 P299
#HPCI STEAM SUPPLY VALVES CLOSE ABOVE	PRESSURE	MARGIN AT NINE MILE POINT*	161798 P447
#ERROR FOUND IN CALCULATED SAFETY VALVE	PRESSURE	NOT MAINTAINED AT DRESDEN 3*	153492 P224
#CONTAINMENT DIFFERENTIAL	PRESSURE	OUT OF LIMITS AT BROWNS FERRY 3*	153461 P100
#DRYWELL TO SUPPRESSION CHAMBER DIFFERENTIAL	PRESSURE	PERMISSIVE AND PRESSURE SWITCHES HAVE SETPOINT	159108 P110
DRIFT AT BROWNS FERRY 3*	PRESSURE	PERMISSIVE AT PILGRIM 1*	157044 P507
#TURBINE	PRESSURE	PERMISSIVE SWITCH AT DUANE ARNOLD*	155510 P 4
#SET POINT DRIFT IN LPCI	PRESSURE	PERMISSIVE SWITCHES AT BROWNS FERRY 1*	159418 P 68
#SET POINT DRIFT IN TORUS DIFFERENTIAL	PRESSURE	PERMISSIVE SWITCHES AT BROWNS FERRY 2*	157743 P 88
#SET POINT DRIFT OCCURS ON TURBINE	PRESSURE	RECORDER FAILS AT HATCH 1*	156995 P317
#DRYWELL/TORUS DIFFERENTIAL	PRESSURE	RECORDER FAILS DOWNSCALE AT ARNOLD*	154507 P 1
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#SET POINT DRIFT IN	PRESSURE	RELIEF VALVE FAILURE AT QUAD CITIES 2*	163490 P560
#UPDATE ON	PRESSURE	RELIEF VALVE STICKS OPEN AT DUANE ARNOLD*	161716 P 22
#STEAM	PRESSURE	SCRAM SENSOR TRIPS 9 PSIG TOO HIGH AT OYSTER CREEK	157699 P456
#REACTOR HIGH	PRESSURE	SCRAM SENSORS AT OYSTER CREEK*	159326 P460
#SET POINT DRIFT IN REACTOR HIGH	PRESSURE	SENSED BY MAIN STEAM LINE PRESSURE SENSOR AT	156337 P 85
#LOW	PRESSURE	SENSOR AT BROWNS FERRY 2*	156337 P 85
#LOW PRESSURE SENSED BY MAIN STEAM LINE	PRESSURE	SENSOR ISOLATED AT MILLSTONE 1*	156157 P421
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#SET POINT DRIFT IN REACTOR LOW	PRESSURE	SWITCH AT BROWNS FERRY 3*	161598 P118
#SET POINT DRIFT IN DRYWELL HIGH	PRESSURE	SWITCH AT BROWNS FERRY 3*	161620 P119
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#SET POINT DRIFT IN RCIC EXHAUST	PRESSURE	SWITCH AT BRUNSWICK 2*	159604 P178
#SET POINT DRIFT IN REACTOR LOW	PRESSURE	SWITCH AT BRUNSWICK 2*	161985 P193
#SET POINT DRIFT IN REACTOR LOW	PRESSURE	SWITCH AT DRESDEN 2*	161871 P221
#SET POINT DRIFT IN CONDENSER	PRESSURE	SWITCH AT DRESDEN 2*	163379 P222
#SET POINT DRIFT IN LPCI DRYWELL HIGH	PRESSURE	SWITCH AT DRESDEN 2*	163515 P223
#SET POINT DRIFT IN MAIN STEAM LINE	PRESSURE	SWITCH AT DUANE ARNOLD*	155514 P 5
#SET POINT DRIFT IN CORE SPRAY DIFFERENTIAL	PRESSURE	SWITCH AT DUANE ARNOLD*	160353 P 17
#SET POINT DRIFT IN CORE SPRAY	PRESSURE	SWITCH AT DUANE ARNOLD*	160460 P 18
#SET POINT DRIFT IN CONTAINMENT SPRAY	PRESSURE	SWITCH AT DUANE ARNOLD*	161990 P 23
#SET POINT DRIFT IN DRYWELL HIGH	PRESSURE	SWITCH AT FITZPATRICK*	160435 P291
#SET POINT DRIFT IN HIGH DRYWELL	PRESSURE	SWITCH AT FITZPATRICK*	163404 P296
#SET POINT DRIFT IN RCIC STEAM LINE LOW	PRESSURE	SWITCH AT HATCH 1*	154492 P161
#SET POINT DRIFT IN HPCI DIFFERENTIAL	PRESSURE	SWITCH AT HATCH 1*	154492 P298
#SET POINT DRIFT IN HPCI DIFFERENTIAL	PRESSURE	SWITCH AT HATCH 1*	161614 P342
#SET POINT DRIFT IN HPCI STEAMLINE LOW	PRESSURE	SWITCH AT HATCH 2*	156118 P359
#SET POINT DRIFT IN TURBINE CONTROL VALVE	PRESSURE	SWITCH AT HATCH 2*	160450 P397
#SET POINT DRIFT IN REACTOR	PRESSURE	SWITCH AT HATCH 2*	160455 P397
#SET POINT DRIFTS IN CORE SPRAY PUMP	PRESSURE	SWITCH AT HATCH 2*	160519 P399
#SET POINT DRIFT IN HPCI TURBINE	PRESSURE	SWITCH AT HATCH 2*	161473 P401
#SET POINT MAIN STEAM LINE	PRESSURE	SWITCH AT MILLSTONE 1*	160459 P423
#SET POINT DRIFT IN CONTAINMENT HIGH	PRESSURE	SWITCH AT MONTICELLO*	155191 P428
#SET POINT DRIFT IN MAIN STEAM LINE LOW	PRESSURE	SWITCH AT PEACH BOTTOM 2*	160550 P483
#SET POINT DRIFT IN CORE SPRAY	PRESSURE	SWITCH AT PEACH BOTTOM 2*	161961 P485
#SET POINT DRIFT IN STEAM LINE	PRESSURE	SWITCH AT PEACH BOTTOM 2*	162487 P486
#SET POINT DRIFT IN MAIN STEAM LINE LOW	PRESSURE	SWITCH AT PEACH BOTTOM 3*	154017 P488
#SET POINT DRIFT IN CORE SPRAY PUMP DISCHARGE	PRESSURE	SWITCH AT PEACH BOTTOM 3*	159410 P493
#SET POINT DRIFT IN SHUTDOWN COOLING	PRESSURE	SWITCH AT PEACH BOTTOM 3*	157744 P464
#SET POINT DRIFT IN DRYWELL	PRESSURE	SWITCH AT QUAD CITIES 2*	159342 P557
#SET POINT DRIFT IN MAIN STEAM LINE LOW	PRESSURE	SWITCH AT QUAD CITIES 2*	159344 P557
#SETPOINT DRIFT IN TORUS VACUUM BREAKER	PRESSURE	SWITCH AT QUAD-CITIES 1*	156962 P542
#SET POINT DRIFT IN ELECTROHYDRAULIC CONTROL FLUID	PRESSURE	SWITCH AT QUAD-CITIES 2*	161458 P561
#SET POINT DRIFT IN CONTAINMENT	PRESSURE	SWITCH AT VERMONT YANKEE*	153480 P565
#SET POINT DRIFT IN RCIC DIFFERENTIAL	PRESSURE	SWITCH AT VERMONT YANKEE*	154714 P566
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#CONTAINMENT PURGE VACUUM BREAKER	PRESSURE SWITCH FAILS AT HATCH 2*	158726 P369
#GENERATOR LOAD REJECTION SENSOR	PRESSURE SWITCH FAILS OPEN AT OYSTER CREEK*	157162 P456
#LPCI LOOP SELECTION	PRESSURE SWITCH FAILS TO RESET AT DUANE ARNOLD*	159057 P 14
#SET POINT DRIFT OF HIGH DRYWELL	PRESSURE SWITCH FOUND AT QUAD CITIES 1*	156964 P543
#ISOLATION VALVE FOR DRYWELL	PRESSURE SWITCH FOUND CLOSED AT BRUNSWICK 2*	153736 P164
#REACTOR LOW	PRESSURE SWITCH IN MAIN STEAM SYSTEM TRIPS AT DRESDEN 3*	157058 P231
#DRYWELL	PRESSURE SWITCH IS OUT OF CALIBRATION AT BRUNSWICK 2*	159690 P181
#CONTROL VALVE FAST CLOSURE	PRESSURE SWITCH IS OUT OF TOLERANCE AT BRUNSWICK 2*	159621 P181
#SAFETY RELIEF VALVE TAILPIPE	PRESSURE SWITCH MISWIRED AT BROWNS FERRY 1*	158295 P 65
#REACTOR HIGH	PRESSURE SWITCH NOT TESTED AT HATCH 1*	161059 P339
#TURBINE FIRST STAGE	PRESSURE SWITCH SET POINT INCORRECT AT HATCH 2*	159305 P394
#REACTOR HIGH	PRESSURE SWITCH SET POINTS HIGH AT BROWNS FERRY 3*	159245 P114
#HPCI AND RCIC STEAM	PRESSURE SWITCH SETPOINT DRIFTS AT HATCH 2*	159588 P328
#REACTOR HIGH	PRESSURE SWITCH SETPOINT EXCEEDS LIMIT AT VERMONT YANKEES*	159525 P575
#HIGH DRYWELL	PRESSURE SWITCH SETPOINTS INCORRECT AT FITZPATRICK*	159576 P288
	PRESSURE SWITCH SETPOINTS TOO HIGH AT HATCH 1*	159501 P323
HATCH 1*	PRESSURE SWITCH SURVEILLANCE NOT PERFORMED ON TIME AT	159064 P330
	PRESSURE SWITCH VALVED OUT AT DRESDEN 2*	159527 P216
#SET POINT DRIFT IN REACTOR HIGH	PRESSURE SWITCHES AT BROWNS FERRY 2*	159336 P 90
#SET POINT DRIFT IN REACTOR	PRESSURE SWITCHES AT BROWNS FERRY 3*	153454 P102
#SET POINT DRIFT IN REACTOR LOW	PRESSURE SWITCHES AT BRUNSWICK 2*	158755 P171
#SET POINT DRIFT IN CONTAINMENT SPRAY	PRESSURE SWITCHES AT DUANE ARNOLD*	155512 P 5
#SET POINT DRIFT IN RCIC TURBINE EXHAUST	PRESSURE SWITCHES AT HATCH 1*	155326 P307
#SET POINT DRIFT IN HIGH DRYWELL	PRESSURE SWITCHES AT HATCH 2*	154940 P351
#SET POINT DRIFT IN HPCI EXHAUST	PRESSURE SWITCHES AT HATCH 2*	156130 P356
#SET POINT DRIFT IN SHUTDOWN COOLING SYSTEM	PRESSURE SWITCHES AT HATCH 2*	158662 P379
#SET POINT DRIFT IN HIGH DRYWELL	PRESSURE SWITCHES AT HATCH 3*	158774 P387
#SET POINT DRIFT IN REACTOR HIGH	PRESSURE SWITCHES AT HATCH 2*	160370 P396
#SET POINT DRIFT IN HIGH DRYWELL	PRESSURE SWITCHES AT OYSTER CREEK*	160326 P462
#SET POINT DRIFT IN DRYWELL HIGH	PRESSURE SWITCHES AT OYSTER CREEK*	160817 P465
#SET POINT DRIFT IN HIGH DRYWELL	PRESSURE SWITCHES AT OYSTER CREEK*	161644 P466
#SET POINT DRIFT IN DRYWELL HIGH	PRESSURE SWITCHES AT OYSTER CREEK*	161763 P467
#SET POINT DRIFT IN HIGH DRYWELL	PRESSURE SWITCHES AT OYSTER CREEK*	162044 P469
#SET POINT DRIFT IN CONTAINMENT SPRAY	PRESSURE SWITCHES FOR REACTOR PROTECTION SYSTEM AT	158276 P422
#SET POINT DRIFT IN CORE SPRAY	PRESSURE SWITCHES HAVE SETPOINT DRIFT AT BROWNS FERRY 3*	159108 P110
MILLSTONE 1*	PRESSURE SWITCHES SET INCORRECTLY AT HATCH 2*	157131 P361
#TURBINE PRESSURE PERMISSIVE AND	PRESSURE SWITCHES SETPOINTS DRIFT AT HATCH 2*	159591 P386
#CONTROL ROD DRIVE ACCUMULATOR	PRESSURE SWITCHES TRIP OUT OF SPECS AT DUANE ARNOLD*	160268 P 11
#RPS, HPCI, RCIS, AND CS	PRESSURE TEST NOT COMPLETED ON TIME AT DRESDEN 2*	154618 P208
#CONTAINMENT	PRESSURE TRANSMITTER NOT QUALIFIED AT BROWNS FERRY 2*	161640 P 98
#MAIN STEAM LINE LOW	PRESSURE TRANSMITTER NOT QUALIFIED AT BROWNS FERRY 3*	161599 P119
#DRYWELL	PRESSURE TRANSMITTER VALVE FOUND CLOSED AT QUAD CITIES 1*	154443 P538
#DIFFERENTIAL	PRESSURE TRANSMITTERS NOT QUALIFIED AT BROWNS FERRY 1*	161893 P 76
#DRYWELL	PREVENTS VACUUM BREAKER FROM OPENING FULLY AT OYSTER CREEK*	153939 P449
#SCAFFOLDING	PRIMARY CONTAINMENT INTEGRITY VIOLATED AT QUAD CITIES 1*	162089 P550
	PRIMARY CONTAINMENT ISOLATION VALVE TIMING REQUIREMENTS	159556 P247
	PRIMARY CONTAINMENT LEAKAGE FOUND AT COOPER*	159542 P246
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	PRIMARY VENT VALVE FAILS TO CLOSE IN TIME AT QUAD-CITIES 2*	161900 P562
#UPDATE REPORT ON	PRINT AT HATCH 1*	158688 P328
#CONTAINMENT TEMPERATURE RECORDER FAILS TO	PRINTS ERRATICALLY AND HIGH AT HATCH 1*	155556 P305
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#LIQUID WASTE RELEASED WITHOUT A	PRIOR ANALYSIS AT HATCH 1*	156080 P307
#SURVEILLANCE REQUIREMENTS NOT MET	PRIOR TO MOVING FUEL AT PILGRIM 1*	156065 P505
#INOPERABLE PIPING SUPPORT NOT REPAIRED	PRIOR TO STARTUP AT BRUNSWICK 2*	153733 P169
#TRAVERSING INCORE	PROBE FAILS TO WITHDRAW AT PEACH BOTTOM 3*	155585 P489
#TRAVERSING INCORE	PROBE POSITION INDICATION FAILS AT BRUNSWICK 2*	162706 P202
#A NUMBER OF SRM	PROBLEMS WERE ENCOUNTERED AT FITZPATRICK*	154505 P263
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#STANDBY GAS TREATMENT	PROCEDURE CHANGES NOT REVIEWED AT HATCH 1*	160277 P321
#INSTRUMENT	PROCEDURE NOT APPROVED IN TIME LIMIT AT NINE MILE POINT 1*	160058 P446
#REACTOR PRESSURE CALIBRATION	PROCEDURE NOT REVIEWED AT HATCH 2*	161874 P401
#JET PUMP OPERABILITY TEST	PROCEDURE REQUIRES MODIFICATION AT HATCH 2*	159094 P389
#FISSION	PRODUCT IODINE MONITOR INDICATES HIGH AT HATCH 2*	154624 P346
#SET POINT DRIFT IN FISSION	PRODUCT MONITOR AT HATCH 1*	162743 P343
AT DUANE ARNOLD*	PROPER FIRE WATCH NOT ESTABLISHED IN CABLE SPREADING ROOM	158304 P 8
#FUEL ASSEMBLY LOADED 90 DEGREES FROM	PROPER ORIENTATION AT BROWNS FERRY 1*	160447 P 72
#TUBING GOING INTO CONTAINMENT LACKS	PROPER SUPPORT AT HATCH 1*	158788 P319
#RCIC SYSTEM CONDENSATE PUMP FAILS TO PUMP	PROPERLY AT ARNOLD*	155310 P 4
#LIQUID LEVEL SWITCHES FAIL TO OPERATE	PROPERLY AT BROWNS FERRY 2*	155204 P 61
#MAIN STEAM RELIEF VALVES FAIL TO ACTUATE	PROPERLY AT BROWNS FERRY 2*	160153 P 94
#FOUR RIP VALVES FAIL TO OPERATE	PROPERLY AT BRUNSWICK 1*	154731 P123
#TCFUS LEVEL INSTRUMENT FAILS TO FUNCTION	PROPERLY AT BRUNSWICK 1*	154516 P126
#REACTOR LO LO LO LEVEL SWITCH FAILS TO OPERATE	PROPERLY AT FITZPATRICK*	155293 P269
#CONTAINMENT ATMOSPHERIC CONTROL CABLE NOT ROUTED	PROPERLY AT HATCH 1*	158791 P320
#CONTAINMENT HYDROGEN RECOMBINER TEST NOT PERFORMED	PROPERLY AT HATCH 2*	156855 P375
#ECCS LOGIC RELAY FAILS TO FUNCTION	PROPERLY AT PEACH BOTTOM 2*	160333 P481
#REACTOR LOW-LOW WATER LEVEL SWITCH FAILS TO OPERATE	PROPERLY AT QUAD CITIES 1*	155369 P540
#TEN PIPES NOT SUPPORTED	PROPERLY AT QUAD-CITIES 1*	160904 P548
#SEISMIC INSTRUMENT NOT	PROPERLY CALIBRATED AT HATCH 1*	159378 P346
#RMR NOT	PROPERLY TESTED AT BROWNS FERRY 2*	155457 P 85
#LPRM'S NOT	PROPERLY WIRED AT FITZPATRICK 1*	161782 P294
#RAOWASTE PIPING IS NOT SEISMICALLY	PROTECTED AT HATCH 2*	160522 P399
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#FIRE	PROTECTION DELUGE VALVE TRIPS AT BRUNSWICK 1*	162414 P160
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#SETPOINT DRIFT IN PRESSURE SWITCHES FOR REACTOR	PROTECTION SYSTEM AT MILLSTONE 1*	158276 P422
#INDICATING VALVES ON THE FIRE	PROTECTION SYSTEM FAILED AT OYSTER CREEK*	160263 P459
#DIESEL GENERATOR FIRE	PROTECTION SYSTEM FAILS AT PILGRIM 1*	157021 P508
#RECORD OF 1979 FIRE	PROTECTION SYSTEM FLUSH LOST AT DRESDEN 2*	160461 P219
#REACTOR	PROTECTION SYSTEM FUNCTION FAILS AT PILGRIM 1*	159383 P517
#CARBON DIOXIDE FIRE	PROTECTION SYSTEM INOPERABLE AT FITZPATRICK*	161799 P293
HATCH 1*	PROTECTION SYSTEM MOTOR GENERATOR OUTPUT BREAKER TRIPS AT	157073 P314
#REACTOR	PROTECTION SYSTEM RELAYS NOT TESTED IN TIME AT HATCH 2*	159092 P387
#REACTOR	PROTECTION SYSTEM REMOVED FROM SERVICE AT CYSTER CREEK*	155996 P454
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#FIRE	PROTECTION ZONE NOT TESTED ON TIME AT BROWNS FERRY 3*	158596 P109
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#RHR SERVICE WATER PUMPS FAIL TO	PSIG TOO HIGH AT OYSTER CREEK*	157699 P456
#REACTOR HIGH PRESSURE SCRAM SENSOR TRIPS 9	PSW SYSTEM SEISMIC PIPING SUPPORT NOT INSTALLED AT HATCH 1*	160124 P337
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#ONLY OPERABLE RECIRCULATION	PUMP ACCIDENTALLY TRIPPED AT BROWNS FERRY 2*	155594 P 82
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#CRACK FOUND IN JET	PUMP BEAM ASSEMBLY AT QUAD-CITIES 2*	157065 P553
#CRACKS DISCOVERED IN JET	PUMP BEAMS AT MILLSTONE 1*	161870 P424
#DISCONTINUITIES DISCOVERED IN JET	PUMP BEAMS AT PILGRIM 1*	156156 P506
#RHR SERVICE WATER	PUMP BEARING COOLING WATER VALVES FOUND CLOSED AT HATCH 1*	158611 P316
#DIESEL FIRE	PUMP BOILS OVER FOLLOWING SHUTDOWN AT FITZPATRICK*	153727 P267
#RHR	PUMP BREAKER FOUND NOT CHARGED AT COOPER*	154052 P241
#STANDBY LIQUID CONTROL	PUMP BREAKER TRIPS INADVERTENTLY AT BROWNS FERRY 3*	161936 P121
#HPCI PIPE SNUBBERS FAIL AND	PUMP CASING GASKET LEAKS AT PILGRIM 1*	159179 P515
#CCSW	PUMP CASING LEAKS AT DRESDEN 3*	159547 P236
HATCH 1*	PUMP COOLING DOES NOT MEET SINGLE FAILURE CRITERION AT	157123 P314
#RHR SERVICE WATER	PUMP CAY TANK SAMPLES NOT TAKEN AT DRESDEN 2*	160361 P218
#DIESEL FIRE	PUMP DIAPHRAGM FAILS AT HATCH 2*	156858 P374
#JET	PUMP DIFFERENTIAL PRESSURE INDICATORS FAIL AT FITZPATRICK*	157060 P278
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#HPCI	PUMP DISCHARGE PIPE CLAMP NOT CONNECTED AT BRUNSWICK 1*	163393 P155
#THROUGH-WALL CRACK FOUND ON REC	PUMP DISCHARGE PIPE WELD AT COOPER*	154053 P241
#SET POINT DRIFT IN CORE SPRAY	PUMP DISCHARGE PRESSURE SWITCH AT PEACH BOTTOM 3*	154017 P488
#CORE SPRAY	PUMP DISCHARGE SWITCH EXCEEDS SETPOINT AT BROWNS FERRY 1*	158269 P 63
#RCIC	PUMP DISCHARGE VALVE FAILS TO OPEN AT QUAD CITIES 2*	161455 P560
#RECIRCULATION	PUMP DISCHARGE VALVE FAILS TO OPEN FULLY AT VERMONT YANKEE*	157039 P571
#RECIRC	PUMP DISCHARGE VALVE LEAK AT PILGRIM*	161824 P534
#SCREEN WASH	PUMP DISCHARGE VALVE LEAKS AT HUMBOLDT BAY 3*	160844 P411
#STANDBY SERVICE WATER	PUMP DOES NOT MEET OPERATING SPECS AT HATCH 1*	157721 P302
#RHR	PUMP DRAIN LINE PIPE CRACKS AT PEACH BOTTOM 3*	156971 P492
#HEAD DEVELOPED BY PLANT SERVICE WATER	PUMP EXCEEDS LIMIT AT HATCH 1*	156100 P310
#DRYWELL AIR SAMPLING	PUMP FAILS AT BROWNS FERRY 1*	157738 P 64
#JET	PUMP FAILS AT DRESDEN 3*	155600 P226
#DRYWELL SUMP	PUMP FAILS AT FITZPATRICK*	160880 P292
#DIESEL DRIVEN FIRE	PUMP FAILS AT OYSTER CREEK*	162433 P473
#CONTAINMENT SAMPLE EXHAUST	PUMP FAILS AT PEACH BOTTOM 3*	160489 P498
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#RHR SERVICE WATER	PUMP FAILS TO MEET REQUIREMENTS AT MCINTICELLO*	156879 P434
#RCIC SYSTEM CONDENSATE	PUMP FAILS TO PUMP PROPERLY AT ARNOLD*	155310 P 4
#HPCI AUXILIARY OIL	PUMP FAILS TO RUN AT BRUNSWICK 1*	155552 P131
#CORE SPRAY	PUMP FAILS TO START AND VALVE FAILS TO OPEN AT PILGRIM 1*	158613 P508
#RHR SERVICE WATER	PUMP FAILS TO START AT BRUNSWICK 1*	155555 P129
#RHR SERVICE WATER	PUMP FAILS TO START AT BRUNSWICK 1*	155399 P134
#RB RADIATION MONITOR SAMPLE	PUMP FAILS TO START AT HATCH 1*	159567 P326
#LPCI	PUMP FAILS TO START AT HATCH 2*	156994 P370
#RHR	PUMP FAILS TO START AT QUAD-CITIES 2*	160564 P561
#DIESEL FIRE/CORE SPRAY	PUMP FAILS TO START IN TIME AT BIG ROCK POINT*	163389 P 44
#HPCI AUXILIARY OIL	PUMP FEEDER BREAKER TRIPS AT HATCH 2*	154737 P354
#RHR SERVICE WATER	PUMP FLOW DROPS SUDDENLY AT HATCH 2*	155433 P357
#SLC	PUMP FLOW FALLS BELOW LIMIT AT COOPER*	156169 P244
#DIESEL FIRE	PUMP FLOW INADEQUATE AT PILGRIM 1*	161907 P535
#DRYWELL FLOOR SUMP	PUMP FLOW INTEGRATOR INOPERABLE AT PILGRIM 1*	160528 P530
#SERVICE WATER	PUMP FLOW RATE FALLS BELOW LIMIT AT HATCH 1*	158601 P318
#DRYWELL DRAIN SUMP	PUMP FLOW SENSORS OUT OF TOLERANCE AT FITZPATRICK*	159575 P288
#DIESEL DRIVEN FIRE	PUMP FLOWRATE FALLS BELOW LIMIT AT PEACH BOTTOM 2*	155382 P476
#HPCI AUXILIARY OIL	PUMP FOUND INOPERABLE AT COOPER*	153455 P242
#CRACK FOUND IN JET	PUMP HOLD-DOWN BEAM AT VERMONT YANKEE*	160062 P578
#SECTION OF A SPLIT RING FOUND IN THE MAIN HPCI	PUMP IMPELLER AT ARNOLD*	156226 P 6
#DIESEL GENERATOR LUBE OIL	PUMP INOPERABLE AT BROWNS FERRY 3*	161683 P117
#RHR	PUMP INOPERABLE AT COOPER 1*	160051 P255
#RHR SERVICE WATER BOOSTER	PUMP INOPERABLE AT COOPER*	159521 P248
#RHR SW	PUMP INOPERABLE AT HATCH 1*	160145 P339
#HPCI	PUMP INOPERABLE AT HATCH 2*	159592 P386
#STANDBY SERVICE WATER	PUMP INOPERABLE AT HATCH 2*	161770 P402
#DIESEL FIRE	PUMP INOPERABLE AT HUMBOLDT BAY*	162008 P412
#DIESEL FIRE	PUMP INOPERABLE AT PILGRIM 1*	160083 P527
#RHR	PUMP INOPERABLE AT QUAD CITIES 2*	162032 P564
#DEMINERALIZER SYSTEM	PUMP LEAKS AT BIG ROCK POINT*	163500 P 42
#CAPACITY OF FIRE	PUMP LESS THAN THAT REQUIRED BY NEW DEMAND AT DRESDEN 1*	155476 P205
#SUPPRESSION POOL COOLER	PUMP LOSES POWER AT HUMBOLDT BAY*	160292 P410

#RECIRCULATION	PUMP LOW OIL LEVEL ALARM SHORTS AT BROWNS FERRY 1*	156860 P 59
#MPCI	PUMP MINIMUM FLOW VALVE FAILS TO CLOSE AT FITZPATRICK*	158301 P276
#RHR	PUMP MOTOR FAILS AT PEACH BOTTOM 2*	158287 P487
#RECIRC	PUMP MOTOR GENERATOR BREAKER OPENS AT QUAD-CITIES 2*	159689 P558
#RECIRCULATION	PUMP MOTOR GENERATOR SET TRIPS AT QUAD CITIES 1*	158629 P543
#RECIRCULATION	PUMP MOTOR GENERATOR TRIPS AT BROWNS FERRY 1*	156862 P 60
#REACTOR RECIRCULATION	PUMP MOTOR GENERATOR TRIPS AT BRUNSWICK 2*	162709 P202
#RECIRCULATION	PUMP MOTOR GENERATOR TRIPS AT HATCH 1*	161795 P342
#DIESEL GENERATOR COOLING WATER	PUMP MOTOR INOPERABLE AT QUAD-CITIES 1*	161898 P549
#RECIRCULATION	PUMP MOTOR OIL LEVEL IS LOW AT DUANE ARNOLD*	160265 P 11
#SCREEN WASH	PUMP MOTOR OVERHEATS AT HUMBOLDT BAY*	159437 P411
#REACTOR RECIRCULATION	PUMP MOTOR SHORTS AT DUANE ARNOLD*	158609 P 9
#RECIRCULATION	PUMP MOTOR SNUBBER LEAKS AT VERMONT YANKEE*	159172 P574
#RHR	PUMP MOTOR TRIPS AT BROWNS FERRY 3*	159650 P113
#DG AUXILIARY OIL	PUMP MOTOR TRIPS OUT AT BROWNS FERRY 3*	159490 P110
#RHR	PUMP OPERABILITY TEST NOT PERFORMED CORRECTLY AT HATCH 1*	158599 P317
#JET	PUMP OPERABILITY TEST PROCEDURE REQUIRES MODIFICATION AT	159094 P389
#ONLY ONE DILUTION	PUMP OPERATING FOR TWENTY MINUTE PERIODS AT OYSTER CREEK*	153497 P448
#ONLY ONE DILUTION	PUMP OPERATING WHEN INTAKE TEMPERATURE BELOW 60 F AT	159070 P471
#DIESEL DRIVEN FIRE	PUMP OUT OF SERVICE TOO LONG AT DRESDEN 2*	160362 P217
#SCREEN WASH	PUMP PIPING LEAKS AT HUMBOLDT BAY 3*	163357 P411
#SET POINT DRIFTS IN CORE SPRAY	PUMP PRESSURE SWITCH AT HATCH 2*	160455 P397
#RCIC SYSTEM CONDENSATE PUMP FAILS TO	PUMP PROPERLY AT ARNOLD*	155310 P 4
#LINEAR INDICATION FOUND ON RECIRC	PUMP REFLECTING INSUFFICIENT WELD AT BRUNSWICK 2*	153407 P171
#COMPONENT COOLING WATER	PUMP REDUNDANCY VIOLATED AT PILGRIM 1*	160328 P521
#FIRE PROTECTION	PUMP REMOVED FROM SERVICE AT FITZPATRICK*	158302 P276
#FIRE	PUMP REMOVED FROM SERVICE FOR REPAIR AT DUANE ARNOLD*	158271 P 27
#RHR	PUMP ROOM COOLER FAILS TO START AT PEACH BOTTOM 2*	160434 P481
#RHR	PUMP ROOM COOLER FAILS TO START AT PEACH BOTTOM 2*	162488 P487
#RECIRC	PUMP RUNBACK RESULTS IN PUMP SPEED MISMATCH AT MILLSTONE 1*	154444 P419
#FLOW THROUGH RHR	PUMP SEAL COOLERS FALLS BELOW LIMIT AT BROWNS FERRY 3*	155503 P105
#COOLING WATER FLOW TO RHR	PUMP SEAL FALLS BELOW LIMIT AT BROWNS FERRY 3*	159393 P114
#RESTRICTION IN COOLING WATER LINE FOR RHR	PUMP SEAL HEAT EXCHANGER AT BROWNS FERRY 3*	157437 P108
#LPCI	PUMP SEAL LEAKS AT DRESDEN 3*	160208 P217
#REACTOR FEEDWATER	PUMP SEAL LEAKS AT NINE MILE POINT*	159680 P444
#LEAK FOUND ON HPCI	PUMP SEAL SUPPLY LINE AT ARNOLD*	155527 P 3
#PLANT SERVICE WATER	PUMP SEQUENCED TO BUS TOO SOON AT HATCH 2*	156122 P360
#REACTOR RECIRCULATION	PUMP SPEED CONTROLLER FAILS AT DRESDEN 3*	160456 P236
#RECIRC PUMP RUNBACK RESULTS IN	PUMP SPEED MISMATCH AT MILLSTONE 1*	154444 P419
#SET POINT DRIFT IN RHR	PUMP START RELAY AT HATCH 2*	156133 P358
#CORE SPRAY	PUMP STARTS TOO SOON AT PEACH BOTTOM 3*	160332 P498
#LEAK FOUND IN RECIRC	PUMP SUCTION TEST SECTION AT BRUNSWICK 2*	154732 P162
#RHR	PUMP SUCTION VALVE LEAKS AT HATCH 2*	161628 P403
#CORE SPRAY	PUMP SUCTION VENT LINE LEAKS AT OYSTER CREEK*	160863 P466
#RHR SERVICE WATER	PUMP TIMER OUT OF TOLERANCE AT BROWNS FERRY 1*	156212 P 56
#RHR	PUMP TIMER RELAY FAILS AT QUAD-CITIES 2*	155985 P553
#RECIRCULATION	PUMP TRIP SYSTEM NOT TESTED AT DUANE ARNOLD*	160202 P 15
#RECIRCULATION	PUMP TRIPS AT BROWNS FERRY 2*	155592 P 82
#REACTOR RECIRCULATION	PUMP TRIPS AT BROWNS FERRY 3*	160126 P115
#RECIRCULATION	PUMP TRIPS AT BRUNSWICK 1*	158607 P140
#STANDBY DIESEL SERVICE WATER	PUMP TRIPS AT HATCH 1*	153505 P298
#REACTOR RECIRCULATION	PUMP TRIPS AT HATCH 1*	154487 P305
#OFFGAS HYDROGEN SAMPLE	PUMP TRIPS AT HATCH 1*	159442 P334
#DILUTION	PUMP TRIPS AT OYSTER CREEK*	161676 P473
#STACK GAS GRAB SAMPLE	PUMP TRIPS AT PILGRIM 1*	159546 P512
#SALT SERVICE WATER	PUMP TRIPS AT PILGRIM 1*	159607 P516
#REACTOR RECIRCULATION	PUMP TRIPS AT PILGRIM 1*	159445 P524
#RHR	PUMP TRIPS OFF AT BRUNSWICK 1*	155507 P132
#RECIRCULATION	PUMP TRIPS ON LOW OIL PRESSURE AT HATCH 2*	159315 P394
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#TORUS WATER LEVEL	PUMPED DOWN BELOW LIMIT AT DUANE ARNOLD*	163370 P 25
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#RHR SERVICE WATER	PUMPS FAIL FLOW TEST AT BRUNSWICK 2*	154877 P170
#RHR SERVICE WATER	PUMPS FAIL TO PROVIDE SUFFICIENT FLOW AT FITZPATRICK*	160227 P286
#RHR SERVICE WATER	PUMPS FAIL TO START AT BRUNSWICK 2*	160466 P187
#CORE SPRAY	PUMPS FAIL TO START AT COOPER*	159565 P247
#REACTOR BLDG VENT RAD MONITOR SAMPLE	PUMPS FAIL TO START AT HATCH 1*	159248 P335
#RHR SERVICE WATER	PUMPS FAILS TO START AT VERMONT YANKEE*	156992 P669
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#REACTOR BUILDING VENT SAMPLE	PUMPS INOPERABLE AT PILGRIM 1*	160910 P532
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#DRYWELL	PURGE VALVE CLOSING TIME EXCEEDS LIMIT AT QUAD CITIES 1*	153948 P538
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#DRYWELL PURGE VALVE CLOSING TIME EXCEEDS LIMIT AT	QUAD CITIES 1*	153948 P538
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#TARGET ROCK SAFETY RELIEF VALVE FAILS TO OPEN AT	QUAD CITIES 1*	158751 P544
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#HPCI EMERGENCY OIL PUMP DISCHARGE LINE LEAKS AT	QUAD CITIES 2*	158714 P556
#SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT	QUAD CITIES 2*	159342 P557
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#RCIC STEAM SUPPLY VALVES LEFT CLOSED FOLLOWING TEST AT	QUAD-CITIES 1*	156025 P540
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#HPCI STEAMLINE LEAKS AT	QUAD-CITIES 2*	159241 P557
#RECIRC PUMP MOTOR GENERATOR BREAKER OPENS AT	QUAD-CITIES 2*	156689 P558
#CONTAINMENT ISOLATION NITROGEN VALVE FAILS TO CLOSE AT	QUAD-CITIES 2*	159688 P558
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	#FEEDWATER ISOLATION VALVE LEAK	RATE EXCEEDS LIMIT AT HATCH 2*	156222 P364
	#FEEDWATER ISOLATION VALVE LEAK	RATE EXCEEDS LIMIT AT HATCH 2*	161854 P403
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	#DRYWELL PNEUMATIC RETURN ISOLATION VALVE LEAK	RATE EXCEEDS LIMIT AT HATCH 2*	161880 P406
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AT HATCH 2*			
FERRY 3*			

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		# RCIC STEAM ISOLATION VALVE LEAKS AT BRUNSWICK 2*	162720 P200
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		# RCIC STEAM SUPPLY VALVE FAILS TO CLOSE AT PEACH BOTTOM 2*	160122 P480
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		RCIC TURBINE CONTROL FAILS AT FITZPATRICK*	159382 P290
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	#SET POINT DRIFT IN	RCIC TURBINE EXHAUST PRESSURE SWITCHES AT HATCH 1*	155326 P307
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	#ELECTRICAL AND MECHANICAL	RCIC TURBINE OVERSPEED ASSEMBLIES DAMAGED AT BROWNS FERRY 1	155595 P 31
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2*	#SET POINT DRIFT IN	RCIC TURBINE STEAM LINE HIGH FLOW SWITCHES AT PEACH BOTTOM	161779 P484
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#ELECTROMAGNETIC	RELIEF VALVE FAILS TO OPEN AT OYSTER CREEK*	154450 P446
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#ONE PIPING	RESTORED TO NORMAL FEEDER AT BROWNS FERRY 3*	155391 P104
#RB CLOSED COOLING WATER PIPING SEISMIC	RESTRAIN CLEVIS PIN FOUND MISSING AT HATCH 1*	154670 P300
HEAT EXCHANGER AT BROWNS FERRY 3*	RESTRAINT FAILS TO MEET SEISMIC CRITERIA AT BROWNS FERRY 1*	155367 P 53
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1*	RESTRICTION IN COOLING WATER LINE FOR DIESEL GENERATOR	157438 P108
#RECIRC PUMP RUNBACK	RESTRICTION IN COOLING WATER LINE FOR RHR PUMP SEAL HEAT	157437 P108
#DRYWELL PNEUMATIC	RESULTS IN PUMP SPEED MISMATCH AT MILLSTONE 1*	154444 P414
#CONTAINMENT CONDENSATE	RETENTION BUILDING FIRE DETECTORS FAIL TO ALARM AT PILGRIM	159083 P516
#LEAK IN CONTROL ROD DRIVE SYSTEM	RETURN ISOLATION VALVE LEAK RATE EXCEEDS LIMIT AT HATCH 2*	161880 P406
#RHR TORUS	RETURN ISOLATION VALVE-LEAKS AT LA CROSSE*	158309 P413
#HYDROGEN RECOMBINER	RETURN LINE AT BIG ROCK POINT*	161911 P 45
#REACTOR BUILDING VENT SAMPLE SYSTEM NOT	RETURN VALVE FAILS TO OPERATE AT BROWNS FERRY 1*	160155 P 72
	RETURN VALVE LEAKAGE UNACCEPTABLE AT HATCH 2*	155449 P358
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#APRM REMAINS INOPERABLE WHEN	RETURNED TO SERVICE AT FITZPATRICK*	156220 P273
#FIRE DOORS NOT	RETURNED TO SERVICE IN TIME AT BRUNSWICK 2*	162429 P205
#MPCI TURBINE	REVERSING CHAMBERS CRACK AT DUANE ARNOLD*	156929 P 28
#INSTRUMENT MAINTENANCE PROCEDURE CHANGES NOT	REVIEWED AT FITZPATRICK*	160259 P283
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#REACTOR PRESSURE CALIBRATION PROCEDURE NOT	REVIEWED AT HATCH 2*	161874 P401
#CONTAINMENT DESIGN	REVIEWED FOR STEAM LINE BREAKS AT BIG ROCK POINT*	159293 P 39
1*	#RHR ALARM FAILS TO CLEAR AT DUANE ARNOLD*	160825 P 22
	#RHR AND CONDENSATE ISOLATION VALVES LEAK AT HATCH 2*	161759 P405
	#RHR AREA COOLER FAN THERMAL OVERLOAD TRIPS AT BROWNS FERRY	159407 P 69
2*	#RHR CHECK VALVE LEAKS AT BROWNS FERRY 2*	159395 P 92
FITZPATRICK*	#RHR CCNTAINMENT COOLING VALVE FAILS TO OPEN AT QUAD-CITIES	160878 P560
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	#RHR DELAY TIMERS FAIL TO ACTUATE THE TIMER CONTACTS AT	156019 P554
	#RHR FLOW INDICATOR FAILS AT BRUNSWICK 1*	163394 P153
	#RHR FLOW INDICATOR GIVES FALSE READINGS AT BRUNSWICK 1*	160159 P152
BRUNSWICK 1*	#RHR FLOW INDICATOR ON REMOTE SHUTDOWN PANEL FAILS AT	158605 P144
	#RHR FLOW INSTRUMENTATION FAILS AT BRUNSWICK 2*	160367 P185
	#RHR HEAT EXCHANGER INOPERABLE AT COOPER*	162523 P25E
	#RHR HEAT EXCHANGER LEAKS AT BROWNS FERRY 1*	157168 P 63
	#RHR HEAT EXCHANGER LEAKS AT BROWNS FERRY 1*	158710 P 64
	#RHR HEAT EXCHANGER LEAKS AT BROWNS FERRY 2*	159398 P 92
	#RHR HEAT EXCHANGER LEAKS AT BROWNS FERRY 2*	160302 P 92
	#RHR HEAT EXCHANGER ON CROSSTIE LEAKS AT BROWNS FERRY 3*	159391 P115
	#RHR HEAT EXCHANGER RIB PLATE BUCKLES AT BRUNSWICK 2*	160296 P174
	#RHR INBOARD INJECTION VALVE FAILS TO OPEN AT HATCH 1*	159314 P335
	#RHR INJECTION VALVE FAILS TO CLOSE AT BROWNS FERRY 1*	156014 P 56
	#RHR INOPERABLE AT HATCH 1*	159323 P334
	#RHR LOGIC CIRCUIT INOPERABLE AT QUAD-CITIES 2*	163335 P563
	#RHR LOOP INOPERABLE AT HATCH 1*	159691 P337
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	RHR MINIMUM FLOW VALVES CLOSED INADVERTENTLY AT HATCH 1*	155385 P353
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	RHR PUMP BREAKER FOUND NOT CHARGED AT COOPER*	159389 P115
	RHR PUMP DRAIN LINE PIPE CRACKS AT PEACH BOTTOM 3*	154052 P241
	RHR PUMP FAILS TO START AT QUAD-CITIES 2*	156971 P492
	RHR PUMP INOPERABLE AT COOPER 1*	160564 P561
	RHR PUMP INOPERABLE AT QUAD CITIES 2*	160051 P255
	RHR PUMP MOTOR FAILS AT PEACH BOTTOM 2*	162032 P564
	RHR PUMP MOTOR TRIPS AT BROWNS FERRY 3*	158287 P487
1*	RHR PUMP OPERABILITY TEST NOT PERFORMED CORRECTLY AT HATCH	159650 P113
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	RHR PUMP ROOM COOLER FAILS TO START AT PEACH BOTTOM 2*	160434 P481
	RHR PUMP SEAL COOLERS FALLS BELOW LIMIT AT BROWNS FERRY 3*	162488 P487
	RHR PUMP SEAL FALLS BELOW LIMIT AT BROWNS FERRY 3*	155503 P105
	RHR PUMP SEAL HEAT EXCHANGER AT BROWNS FERRY 3*	159393 P114
	RHR PUMP START RELAY AT HATCH 2*	157437 P108
	RHR PUMP SUCTION VALVE LEAKS AT HATCH 2*	156133 P358
	RHR PUMP TIMER RELAY FAILS AT QUAD-CITIES 2*	161628 P403
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	RHR SERVICE WATER PRESSURE ALARM FAILS AT BRUNSWICK 2*	159316 P331
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	#FOUR	RIP VALVE DOES NOT FULLY CLCESE AT BRUNSWICK 1*	156226 P 6
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1*		RMOV BOARD BREAKER FAILS TO TRANSFER DURING MANUAL	159051 P 14
IS FAILED AT CUANE ARNOLD*			156028 P 83
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	#BOTH PLANT VENT EXHAUST FANS OUT OF SERVICE AT BIG	ROCK POINT*	153975 P 31
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	#SET PCINT DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG	ROCK POINT*	158777 P 37
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	#REACTOR DEPRESSURIZING SYSTEM CHANNEL BATTERY FAILS AT BIG	ROCK POINT*	160291 P 38
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	#CONTAINMENT DESIGN REVIEWED FOR STEAM LINE BREAKS AT BIG	ROCK POINT*	159257 P 39
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		ROD BLOCK MONITOR FAILS TO OPERATE AT HATCH 2*	159533 P235
	CONTROL	ROD BLOCK MONITOR INOPERABLE AT CUANE ARNOLD*	160895 P576
	CONTROL	ROD BLOCK MONITOR INOPERABLE AT PILGRIM 1*	156015 P 85
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	#LEAK IN CONTROL	ROD DRIVE SYSTEM RETURN LINE AT BIG ROCK POINT*	161911 P 45
	#UPDATE REPORT ON CONTROL	ROD DRIVE TEMPERATURE AT BIG ROCK POINT*	153975 P 31
	#CONTROL	ROD FAILS TO INSERT AT BROWNS' FERRY 3*	154896 P103
	#CONTROL	ROD FAILS TO SCRAM AT NINE MILE POINT*	159780 P443
TIME AT OYSTER CREEK*	#CONTROL	ROD FAILS TO WITHDRAW AT MONTICELLO*	160336 P437
*	#CONTROL	ROD FREE TRAVEL INTERLOCK SURVEILLANCE NOT PERFORMED ON	158270 P458
*	#CONTROL	ROD HAS NO POSITION INDICATION FOR ONE NOTCH AT BRUNSWICK 1	153731 P128
	#CONTROL	ROD HAS NO POSITION INDICATION FOR ONE NOTCH AT BRUNSWICK 2	153735 P165
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	#CONTROL	ROD INSERTION TIME EXCEEDS LIMIT AT BRUNSWICK 2*	160513 P190
	#CONTROL	ROD MOVED WITH SHORTING LINKS INSTALLED AT BRUNSWICK 2*	163471 P172
*	#ONE	ROD NOT PULLED TO TARGET POSITION DURING STARTUP AT HATCH 2	156132 P357
	#CONTROL	ROD POSITION INDICATION FAILS AT BRUNSWICK 1*	156175 P135
	#CONTROL	ROD POSITION INDICATION FAILS AT BRUNSWICK 1*	160304 P141
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	#CONTROL	ROD POSITION INDICATION FAILS AT DRESDEN 2*	159447 P216
	#CONTROL	ROD POSITION INDICATION INCORRECT AT BRUNSWICK 2*	161626 P198
	#CONTROL	ROD POSITION INDICATION LOST AT DRESDEN 2*	160056 P220
	#CONTROL	ROD POSITION INDICATION LOST AT DRESDEN 2*	160925 P220
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	#CONTROL	ROD POSITION INDICATORS FAIL AT BRUNSWICK 1*	160108 P149
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	#72 OF 185 CONTROL	ROD WITHDRAWAL BLOCK SWITCH FAILS AT HATCH 2*	159139 P390
	#CONTROL ROD POSITION LIGHTS REMAIN ON WHEN	ROD WORTH MINIMIZER GIVES SPURIOUS ROD BLOCKS AT BRUNSWICK	160206 P151
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	#TURBINE BUILDING	RODS TO INSERT AT BROWNS FERRY 3*	163405 P111
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	#FIRE WATCH REMOVED FROM CABLE SPREADING	ROOM AIR INTAKE CHLORINE MONITOR INOPERABLE AT HATCH 1*	159433 P333
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	#	ROOM AT QUAD CITIES 1*	156006 P541
	#	ROOM BREACHED AT HATCH 2*	159304 P353
	#	ROOM CHLORINE MONITOR FAN INOPERABLE AT HATCH 1*	160810 P339
	#NC WATER FLOWS THROUGH CORE SPRAY SYSTEM	ROOM COOLER AT BROWNS FERRY 1*	157700 P 62
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	#RHR PUMP	ROOM COOLER FAILS TO START AT PEACH BOTTOM 2*	162488 P487
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ARNOLD*	#CONTROL	ROOM FILTER FAN TRIPS AT HATCH 1*	157121 P313
	#DIESEL GENERATOR DAY TANK	ROOM FIRE SPRINKLERS OUT OF SERVICE TOO LONG AT DUANE	158665 P 28
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	#	RPS LOGIC RELAY FAILS TO DEENERGIZE FOLLOWING MSIV CLOSURE	160864 P154
	#	RPS MOTOR GENERATORS ARE NOT MONITORED AT PILGRIM 1*	160479 P527
	#	RPS TRIP CHANNEL INOPERABLE AT BRUNSWICK 2*	159451 P183
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	#CONTAINMENT ATMOSPHERE ANALYZER FAILS TO	RUN AT BRUNSWICK 1*	154404 P419
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	#UPDATE ON	RWCU DRAIN LINE LEAK AT PILGRIM 1*	156878 P 59
	#THREE	RWCU ISOLATION VALVES FAIL TO CLOSE AT BROWNS FERRY 1*	

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	#MILK	SAMPLE IODINE ACTIVITY EXCEEDS LIMIT AT FITZPATRICK*	163381 P296
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	SET POINT DRIFT IN CORE SPRAY DIFFERENTIAL PRESSURE SWITCH	155514 P 5
	SET POINT DRIFT AND FAILURE OF AVERAGE POWER RANGE	158627 P280
	SET POINT DRIFT FOUND IN MSIV CLOSURE TIMING AT QUAD-	159569 P555
	SET POINT DRIFT IN APRM AT FITZPATRICK*	154472 P264
	SET POINT DRIFT IN APRM CHANNEL AT BROWNS FERRY 3*	153457 P102
	SET POINT DRIFT IN APRM CHANNEL AT FITZPATRICK*	154503 P264
	SET POINT DRIFT IN AUTOMATIC BLOWDOWN TIMER RELAY AT QUAD	155491 P552
	SET POINT DRIFT IN CONDENSATE STORAGE TANK LEVEL SWITCH AT	155565 P127
	SET POINT DRIFT IN CONDENSER LOW VACUUM SWITCH AT PILGRIM 1	156158 P507
	SET POINT DRIFT IN CONDENSER PRESSURE SWITCH AT DRESDEN 2*	161871 P221
	SET POINT DRIFT IN CONTAINMENT ATMOSPHERE MONITOR AT	163502 P159
	SET POINT DRIFT IN CONTAINMENT GAS ANALYZER AT BRUNSWICK 2*	160494 P186
	SET POINT DRIFT IN CONTAINMENT HIGH PRESSURE SWITCH AT	160459 P423
	SET POINT DRIFT IN CONTAINMENT OXYGEN ANALYZER AT	161981 P201
	SET POINT DRIFT IN CONTAINMENT PRESSURE SWITCH AT QUAD-	161458 P561
	SET POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCH AT	160460 P 18
	SET POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCHES AT	155512 P 5
	SET POINT DRIFT IN CONTAINMENT SPRAY PRESSURE SWITCHES AT	161763 P467
	SET POINT DRIFT IN CONTAINMENT SPRAY SWITCHES AT OYSTER	162041 P470
	SET POINT DRIFT IN CONTAINMENT VENT AND FUEL POOL MONITORS	156336 P229
	SET POINT DRIFT IN CONTROL ROD DRIVE ACCUMULATOR PRESSURE	158644 P378
AT DUANE ARNOLD*		
MONITORS IN ONE CHANNEL AT FITZPATRICK*		
CITIES 2*		
BRUNSWICK 1*		
MILLSTONE 1*		
BRUNSWICK 2*		
CITIES 2*		
DUANE ARNOLD*		
DUANE ARNOLD*		
OYSTER CREEK*		
CREEK*		
AT DRESDEN 3*		
INDICATORS AT HATCH 2*		

FITZPATRICK*
 ARNOLD*
 BOTTOM 2*
 CREEK*
 SWITCH AT PEACH BOTTOM 3*

PEACH BOTTOM 2*
 FERRY 3*
 ARNOLD*
 OYSTER CREEK*
 3*
 SWITCH AT QUAD-CITIES 1*

FITZPATRICK*
 OYSTER CREEK*
 OYSTER CREEK*
 2*
 2*
 BRUNSWICK 1*
 BRUNSWICK 1*
 HATCH 1*
 HATCH 1*
 2*
 *

SWITCH AT BROWNS FERRY 1*
 BRUNSWICK 2*
 HATCH 1*
 SWITCH AT QUAD CITIES 1*

SWITCH AT DRESDEN 2*
 DRESDEN 2*

MILLSTONE 1*
 DRESDEN 2*

SWITCHES AT MONTICELLO*
 MILLSTONE 1*
 AT BRUNSWICK 1*
 MONTICELLO*
 PEACH BOTTOM 2*
 QUAD CITIES 2*
 DRESDEN 2*
 BRUNSWICK 2*
 HATCH 2*
 YANKEE*
 BROWNS FERRY 2*
 CREEK*

VERMONT YANKEE*
 BRUNSWICK 2*

FITZPATRICK*
 BROWNS FERRY 3*
 FITZPATRICK*
 AT HATCH 1*
 BOTTOM 3*
 SWITCHES AT PEACH BOTTOM 2*
 OYSTER CREEK*
 BROWNS FERRY 2*
 2*
 POINT*
 POINT*
 POINT*
 AT OYSTER CREEK 1*
 BRUNSWICK 2*
 BRUNSWICK 2*
 FERRY 3*
 YANKEE*
 BRUNSWICK 2*
 OYSTER CREEK*
 BRUNSWICK 1*
 BRUNSWICK 1*
 BRUNSWICK 2*
 BRUNSWICK 2*
 CITIES 1*
 BRUNSWICK 2*
 2*

FERRY 3*
 BRUNSWICK 1*
 SWITCH AT PEACH BOTTOM 3*
 CREEK*
 FERRY 2*

SET POINT DRIFT IN CORE SPRAY PERMISSIVE SWITCH AT 154664 P265
 # SET POINT DRIFT IN CORE SPRAY PRESSURE SWITCH AT DUANE 160353 P 17
 # SET POINT DRIFT IN CORE SPRAY PRESSURE SWITCH AT PEACH 160550 P483
 # SET POINT DRIFT IN CORE SPRAY PRESSURE SWITCHES AT CYSTER 162044 P469
 # SET POINT DRIFT IN CORE SPRAY PUMP DISCHARGE PRESSURE 154017 P488
 # SET POINT DRIFT IN CORE SPRAY SWITCH AT BROWNS FERRY 1* 163338 P 78
 # SET POINT DRIFT IN DEMINERALIZER TEMPERATURE SWITCH AT 162047 P487
 # SET POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCH AT BROWNS 161598 P118
 # SET POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCH AT DUANE 161990 P 23
 # SET POINT DRIFT IN DRYWELL HIGH PRESSURE SWITCHES AT 160817 P465
 # SET POINT DRIFT IN DRYWELL PRESSURE SWITCH AT PEACH BOTTOM 157744 P494
 # SET POINT DRIFT IN ELECTROHYDRAULIC CONTRL FLUID PRESSURE 156962 P542
 # SET POINT DRIFT IN FISSION PRODUCT MONITOR AT HATCH 1* 162743 P343
 # SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCH AT 160435 P291
 # SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCHES AT 160326 P462
 # SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCHES AT 161644 P466
 # SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCHES AT HATCH 154940 P351
 # SET POINT DRIFT IN HIGH DRYWELL PRESSURE SWITCHES AT HATCH 158774 P387
 # SET POINT DRIFT IN HIGH STEAMLINE RADIATION CHANNEL AT 157057 P134
 # SET POINT DRIFT IN HIGH STEAMLINE RADIATION CHANNEL AT 160317 P142
 # SET POINT DRIFT IN HPCI DIFFERENTIAL PRESSURE SWITCH AT 154492 P161
 # SET POINT DRIFT IN HPCI DIFFERENTIAL PRESSURE SWITCH AT 154492 P298
 # SET POINT DRIFT IN HPCI EXHAUST PRESSURE SWITCHES AT HATCH 156130 P356
 # SET POINT DRIFT IN HPCI STEAM FLOW SENSOR AT PEACH BOTTOM 2 160485 P481
 # SET POINT DRIFT IN HPCI STEAM LINE DP SWITCH AT HATCH 2* 161872 P400
 # SET POINT DRIFT IN HPCI STEAM LINE FLOW SWITCH AT HATCH 2* 158771 P386
 # SET POINT DRIFT IN HPCI STEAM LINE SPACE TEMPERATURE 161796 P 77
 # SET POINT DRIFT IN HPCI STEAMLINE HIGH D/P SWITCH AT 156107 P173
 # SET POINT DRIFT IN HPCI STEAMLINE LOW PRESSURE SWITCH AT 161614 P342
 # SET POINT DRIFT IN HPCI TURBINE AREA HIGH TEMPERATURE 160451 P547
 # SET POINT DRIFT IN HPCI TURBINE PRESSURE SWITCH AT HATCH 2* 160519 P399
 # SET POINT DRIFT IN ISOLATION CONDENSER CONDENSATE FLOW 159243 P215
 # SET POINT DRIFT IN ISOLATION CONDENSER FLOW SWITCH AT 160002 P211
 # SET POINT DRIFT IN LOW REACTOR LEVEL SWITCHES AT COPPER* 161622 P256
 # SET POINT DRIFT IN LOW WATER LEVEL SCRAM SWITCH AT 160923 P424
 # SET POINT DRIFT IN LPCI DRYWELL HIGH PRESSURE SWITCH AT 163379 P222
 # SET POINT DRIFT IN LPCI PRESSURE PERMISSIVE AT PILGRIM 1* 157044 P507
 # SET POINT DRIFT IN MAIN STEAM LINE AREA TEMPERATURE 156044 P430
 # SET POINT DRIFT IN MAIN STEAM LINE HIGH FLOW SWITCH AT 155195 P420
 # SET POINT DRIFT IN MAIN STEAM LINE HIGH RADIATION MONITOR 154882 P130
 # SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT 155191 P428
 # SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT 162437 P486
 # SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE SWITCH AT 159342 P557
 # SET POINT DRIFT IN MAIN STEAM LINE PRESSURE SWITCH AT 163515 P223
 # SET POINT DRIFT IN MAIN STEAM LINE RADIATION MONITOR AT 154559 P162
 # SET POINT DRIFT IN MAIN STEAM LINE TEMPERATURE SWITCHES AT 157129 P361
 # SET POINT DRIFT IN MAIN STEAM RELIEF VALVES AT VERMONT 160930 P578
 # SET POINT DRIFT IN MAINSTEAM LINE HIGH FLOW SWITCH AT 153489 P 79
 # SET POINT DRIFT IN MSIV LOW PRESSURE SENSORS AT OYSTER 159675 P464
 # SET POINT DRIFT IN PRESSURE RELIEF VALVE AT VERMONT YANKEE* 160535 P579
 # SET POINT DRIFT IN PRESSURE SWITCH AT BROWNS FERRY 3* 161620 P119
 # SET POINT DRIFT IN RCIC DIFFERENTIAL PRESSURE SWITCH AT 153480 P565
 # SET POINT DRIFT IN RCIC EXHAUST PRESSURE SWITCH AT 155317 P173
 # SET POINT DRIFT IN RCIC FLOW INSTRUMENT AT HATCH 1* 154493 P298
 # SET POINT DRIFT IN RCIC FLOW SWITCH AT HATCH 1* 156096 P309
 # SET POINT DRIFT IN RCIC HIGH STEAM FLOW SWITCH AT 154653 P261
 # SET POINT DRIFT IN RCIC REACTOR WATER LEVEL TRIP SWITCH AT 159284 P113
 # SET POINT DRIFT IN RCIC STEAM LINE LOW PRESSURE SWITCH AT 163404 P296
 # SET POINT DRIFT IN RCIC TURBINE EXHAUST PRESSURE SWITCHES 155326 P307
 # SET POINT DRIFT IN RCIC TURBINE STEAM FLOW SWITCH AT PEACH 155347 P491
 # SET POINT DRIFT IN RCIC TURBINE STEAM LINE HIGH FLOW 161779 P484
 # SET POINT DRIFT IN REACTOR HIGH PRESSURE SCRAM SENSORS AT 159326 P460
 # SET POINT DRIFT IN REACTOR HIGH PRESSURE SWITCHES AT 159336 P 90
 # SET POINT DRIFT IN REACTOR HIGH PRESSURE SWITCHES AT HATCH 160370 P396
 # SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK 157074 P 34
 # SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK 157076 P 35
 # SET POINT DRIFT IN REACTOR LEVEL TRANSMITTER AT BIG ROCK 160170 P 41
 # SET POINT DRIFT IN REACTOR LO-LO-LC WATER LEVEL SWITCHES 161873 P468
 # SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT 159604 P178
 # SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT 161985 P193
 # SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT BROWNS 157716 P109
 # SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCH AT VERMONT 154714 P566
 # SET POINT DRIFT IN REACTOR LOW PRESSURE SWITCHES AT 158755 P171
 # SET POINT DRIFT IN REACTOR LOW WATER LEVEL SENSOR AT 160148 P465
 # SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT 160301 P139
 # SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT 156932 P143
 # SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT 156938 P178
 # SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT 161632 P197
 # SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCH AT QUAD 156912 P543
 # SET POINT DRIFT IN REACTOR LOW WATER LEVEL SWITCHES AT 161069 P182
 # SET POINT DRIFT IN REACTOR PRESSURE SWITCH AT BROWNS FERRY 156948 P 87
 # SET POINT DRIFT IN REACTOR PRESSURE SWITCH AT HATCH 2* 160430 P397
 # SET POINT DRIFT IN REACTOR PRESSURE SWITCHES AT BROWNS 153456 P102
 # SET POINT DRIFT IN REACTOR VESSEL SHROUD LEVEL SWITCH AT 154554 P124
 # SET POINT DRIFT IN REACTOR WATER CLEANUP TEMPERATURE 160431 P498
 # SET POINT DRIFT IN REACTOR WATER LEVEL SENSORS AT OYSTER 159672 P463
 # SET POINT DRIFT IN REACTOR WATER LEVEL SWITCH AT BROWNS 155205 P 81

FITZPATRICK*	# SET POINT DRIFT IN REACTOR WATER LEVEL SWITCH AT DRESDEN 2*	155197 P208
ROCK POINT*	# SET POINT DRIFT IN REACTOR WATER LEVEL SWITCHES AT	163361 P295
FERRY 3*	# SET POINT DRIFT IN REACTOR WATER LEVEL TRANSMITTER AT BIG	158777 P 37
DRESDEN 2*	# SET POINT DRIFT IN RECIRCULATION VALVE SWITCH AT BROWNS	161934 P122
DUANE ARNOLD*	# SET POINT DRIFT IN REFUELING FLOOR RADIATION MONITOR AT	160524 P221
	# SET POINT DRIFT IN RHR LOW PRESSURE PERMISSIVE SWITCH AT	155510 P 4
	# SET POINT DRIFT IN RHR PUMP START RELAY AT HATCH 2*	156133 P358
	# SET POINT DRIFT IN RPS LEVEL SWITCH AT DRESDEN 3*	161460 P237
FITZPATRICK*	# SET POINT DRIFT IN SHUTDOWN COOLING PERMISSIVE SWITCHES AT	158634 P281
PEACH BOTTOM 3*	# SET POINT DRIFT IN SHUTDOWN COOLING PRESSURE SWITCH AT	159410 P493
SWITCHES AT HATCH 2*	# SET POINT DRIFT IN SHUTDOWN COOLING SYSTEM PRESSURE	158662 P379
	# SET POINT DRIFT IN SOURCE RANGE MONITOR AT DRESDEN 3*	161456 P239
HATCH 1*	# SET POINT DRIFT IN STANDBY LIQUID CONTROL RELIEF VALVE AT	154889 P303
DRESDEN 3*	# SET POINT DRIFT IN STEAM LINE OVER TEMPERATURE SWITCH AT	155445 P229
BOTTOM 2*	# SET POINT DRIFT IN STEAM LINE PRESSURE SWITCH AT PEACH	161961 P485
	# SET POINT DRIFT IN THREE RELIEF VALVES AT ARNOLD*	156225 P 6
NINE MILE POINT 1*	# SET POINT DRIFT IN TURBINE ANTICIPATORY TRIP SWITCH AT	159235 P442
AT HATCH 2*	# SET POINT DRIFT IN TURBINE CONTROL VALVE PRESSURE SWITCH	156118 P359
SWITCHES AT BROWNS FERRY 1*	# SET POINT DRIFT IN TURBINE FIRST STAGE PRESSURE PERMISSIVE	159418 P 68
MILE POINT 1*	# SET POINT DRIFT IN TURBINE REACTOR SCRAM SWITCHES AT NINE	160313 P444
SWITCHES AT BROWNS FERRY 2*	# SET POINT DRIFT OCCURS ON TURBINE PRESSURE PERMISSIVE	157743 P 88
QUAD CITIES 1*	# SET POINT DRIFT OF HIGH DRYWELL PRESSURE SWITCH FOUND AT	156964 P543
HATCH 2*	# SET POINT DRIFTS IN CORE SPRAY PUMP PRESSURE SWITCH AT	160455 P397
	# SET POINT EXCEEDS LIMIT AT FITZPATRICK*	155303 P270
	# SET POINT FOUND IN REACTOR LEVEL SWITCH AT HATCH 1*	161951 P341
	# SET POINT IN REACTOR LEVEL SWITCH AT BROWNS FERRY 2*	161866 P 99
	# REACTOR HIGH PRESSURE SWITCH	159305 P394
	# PRESSURE RELIEF	160257 P457
	# REACTOR WATER LEVEL SWITCHES EXCEED	160345 P521
	# SET POINT LIMIT AT PILGRIM 1*	161473 P401
	# SET POINT MAIN STEAM LINE PRESSURE SWITCH AT HATCH 2*	159245 P114
	# TURBINE FIRST STAGE PRESSURE SWITCH	157736 P 88
	# REACTOR RECIRCULATION MG	156213 P 86
	# REACTOR RECIRCULATION MOTOR-GENERATOR	158629 P543
	# RECIRCULATION PUMP MOTOR GENERATOR	158269 P 63
	# CORE SPRAY PUMP DISCHARGE SWITCH EXCEEDS	158749 P232
	# REACTOR WATER LEVEL SWITCH TRIPS BELOW	158750 P233
	# REACTOR WATER LEVEL SWITCH TRIPS BELOW	158021 P233
	# MAIN STEAM LINE HIGH FLOW SWITCH FAILS TO TRIP ON	163385 P470
	# MAIN STEAM LINE HIGH FLOW SENSORS FAIL TO TRIP ON	159108 P110
	# TURBINE PRESSURE PERMISSIVE AND PRESSURE SWITCHES HAVE	156197 P274
FITZPATRICK*	# SET POINT DRIFT AT BROWNS FERRY 3*	159313 P288
AT FITZPATRICK*	# SET POINT DRIFT IN CONDENSATE STORAGE TANK LEVEL SWITCH AT	158276 P422
SYSTEM AT MILLSTONE 1*	# SET POINT DRIFT IN CORE SPRAY PIPE BREAK DETECTION SWITCHES	155557 P451
AT OYSTER CREEK*	# SET POINT DRIFT IN PRESSURE SWITCHES FOR REACTOR PROTECTION	157072 P367
VALVE AT HATCH 2*	# SET POINT DRIFT IN STANDBY GAS TREATMENT RADIATION MONITORS	156010 P228
DRESDEN 3*	# SET POINT DRIFT IN STANDBY LIQUID CONTROL DISCHARGE RELIEF	159344 P557
QUAD CITIES 2*	# SET POINT DRIFT IN STANDBY LIQUID CONTROL RELIEF VALVES AT	160467 P151
	# SET POINT DRIFT IN TORUS VACUUM BREAKER PRESSURE SWITCH AT	159588 P328
	# SET POINT DRIFTS AT BRUNSWICK 1*	158266 P 36
	# REACTOR HIGH PRESSURE SWITCH	158267 P 36
DEPRESSURIZING SYSTEM AT BIG ROCK POINT*	# SET POINT DRIFTS IN SENSOR CHANNEL OF REACTOR	158268 P 37
DEPRESSURIZING SYSTEM AT BIG ROCK POINT*	# SET POINT DRIFTS IN SENSOR CHANNEL OF REACTOR	155380 P476
DEPRESSURIZING SYSTEM AT BIG ROCK POINT*	# SET POINT DRIFTS IN SENSORS CHANNEL OF REACTOR	159525 P575
	# ROD WITHDRAWAL BLOCK	163373 P 24
	# PRESSURE SWITCH	159685 P 90
	# INSTRUMENT AC UNDERVOLTAGE RELAY	160228 P287
	# REACTOR LOW WATER LEVEL SWITCH	159242 P511
	# APR MONITOR	159356 P184
	# TURBINE COMPARTMENT TEMPERATURE SWITCH	159573 P289
	# REACTOR LOW WATER LEVEL SWITCH	155599 P227
	# ADS TIMER	154932 P440
DRESDEN 3*	# SET POINT OF MSIV SCRAM LIMIT SWITCHES OUT OF LIMITS AT	159591 P386
	# RPS, HPCI, RCIS, AND CS PRESSURE SWITCHES	160204 P149
	# APRM	159576 P288
	# HPCI AND RCIS STEAM PRESSURE SWITCH	159501 P323
	# REACTOR HIGH PRESSURE SWITCH	160261 P458
	# ELECTROMATIC RELIEF VALVE SENSOR	160894 P529
	# RPS TRIP	160504 P499
BOTTOM 3*	# SEVEN NONCONSERVATIVE AT PILGRIM 1*	153506 P297
	# DIESEL GENERATOR FAILS TO START WITHIN	159578 P479
LIMITS AT PEACH BOTTOM 2*	# SEVERAL CONTAINMENT ISOLATION VALVES LEAK RATES EXCEED	154944 P350
	# HYDROGEN RECOMBINER	159325 P389
	# CRISTALLINE DEPOSITS FOUND ON DRYWELL SACRIFICIAL	156227 P133
	# CONTAINMENT GASEOUS MONITOR	160897 P577
	# CONTROL ROD MOVED WITH	162520 P259
	# RECIRCULATION PUMP LOW OIL LEVEL ALARM	163471 P172
	# RCIC VALVE TRANSFERS OPEN WHEN BREAKER CONTACT	156860 P 59
	# REACTOR RECIRCULATION PUMP MOTOR	157036 P244
	# HPCI STEAM LINE DELTA P SWITCH	158609 P 9
	# SET POINT DRIFT IN REACTOR VESSEL	156883 P376
	# FUEL	154554 P124
	# FISH KILL OCCURS AFTER A	160496 P 95
	# FISH KILL OCCURS AFTER A	154622 P348
	# DIESEL FIRE PUMP BOILS OVER FOLLOWING	154622 P470
	# VACUUM BREAKER FAILURES FORCE	153727 P267
		160100 P389

BROWNS FERRY 1*	#DIESEL GENERATOR FAILS TO START FOLLOWING LOSS OF	# SHUTDOWN BOARD ALTERNATE FEED BREAKER FAILS TO CLOSE AT	155524 P 53
LACROSSE*		SHUTDOWN BOARD AT BROWNS FERRY 1*	158727 P 66
	#SET POINT DRIFT IN	SHUTDOWN CONDENSER CONTROL VALVES NOT TESTED ON TIME AT	161891 P416
	#SET POINT DRIFT IN	SHUTDOWN COOLING PERMISSIVE SWITCHES AT FITZPATRICK*	158634 P281
		SHUTDOWN COOLING PRESSURE SWITCH AT PEACH BOTTOM 3*	159410 P493
		SHUTDOWN COOLING SUCTION VALVE FAILS TO OPEN AT HATCH 1*	158754 P321
	#SET POINT DRIFT IN	SHUTDOWN COOLING SYSTEM PRESSURE SWITCHES AT HATCH 2*	158662 P379
FERRY 2*	#RHR SYSTEM FAILS TO MEET SAFE	SHUTDOWN EARTHQUAKE CRITERIA AT PILGRIM 1*	160490 P527
		SHUTDOWN EXTENDED BY ADMINISTRATIVE DECISION AT BROWNS	156029 P 84
	#RCIC REMOTE	SHUTDOWN FLOW CONTROL LOOP FAILS AT HATCH 2*	154739 P352
	#RHR FLOW INDICATOR ON REMOTE	SHUTDOWN PANEL FAILS AT BRUNSWICK 1*	158605 P144
	#REMOTE	SHUTDOWN PANEL RHR FLOW INDICATOR FAILS AT BRUNSWICK 1*	163394 P153
	#24KV	SHUTDOWN TRANSFORMER TRIPS AT PILGRIM 1*	155400 P502
	#SPURIOUS	SIGNAL CLOSURES HPCI STEAM SUPPLY VALVE AT FITZPATRICK*	154655 P261
	#APRM FLOW	SIGNAL IS HIGHER THAN ACTUAL FLOW AT BROWNS FERRY 2*	157042 P 86
	#SPURIOUS AUTO ISOLATION	SIGNAL MAKES HPCI INOPERABLE AT HATCH 2*	156938 P374
MILLSTONE*	#OYSTER SAMPLE	SILVER ACTIVITY EXCEEDS TEN TIMES CONTROL ACTIVITY AT	161827 P426
AT MILLSTONE*	#COBALT AND	SILVER ACTIVITY LEVELS EXCEED TEN TIMES CONTROL ACTIVITIES	161680 P425
	#CONTAINMENT AIR LOCK DOORS OPENED	SIMULTANEOUSLY AT PILGRIM 1*	160258 P526
	#OPERATION WITHIN A	SINGLE FAILURE CRITERIA REGION DISCOVERED AT HATCH 1*	158292 P319
	#CAD SYSTEM DOES NOT MEET	SINGLE FAILURE CRITERION AT BRUNSWICK 1 AND 2*	161702 P194
	#RHR SERVICE WATER PUMP COOLING DOES NOT MEET	SINGLE FAILURE CRITERION AT HATCH 1*	157123 P314
	#UPDATE ON	SINGLE FAILURE CRITERION VIOLATION BY SW VALVE AT HATCH 2*	163451 P363
	#SERVICE WATER HEADER ANTI-	SIPHON PIPE SNUBBER FAILS AT BRUNSWICK 1*	163391 P158
	#OFF GAS STACK FILTER AND CARTRIDGE LOST ON	SITE BEFORE ANALYSIS AT ARNOLD*	154675 P 26
	#OFF	SITE ELECTRIC POWER LINE TRIPS AT BROWNS FERRY 1*	159267 P 68
	#ONE OFF-	SITE POWER SOURCE TRIPS AT PEACH BOTTOM 2*	156027 P477
	#CONDENSATE STORAGE TANK BASE	SLAB SEAL MISSING AT HATCH 1*	157091 P312
CITIES 2*		SLC PUMP FLOW FALLS BELOW LIMIT AT CCOPEP*	156169 P244
#MAIN TURBINE CONTROL VALVE CLOSURE SWITCH RESPONSE TIME IS		SLC RELIEF VALVES UNTIL PRESSURE EXCEEDS LIMIT AT QUAD	154916 P551
	#CABLE VAULT	SLOW AT BRUNSWICK 2*	156930 P176
		SMOKE DETECTION SYSTEM NOT TESTED AT MILLSTONE 1*	157402 P421
		SMOKE DETECTOR ALARMS AT BROWNS FERRY 1*	163460 P 62
		SMOKE DETECTOR SURVEILLANCE NOT PERFORMED AT HATCH 1*	159232 P329
		SMOKE DETECTORS INSTALLED IMPROPERLY AT HATCH 1 AND 2*	162087 P346
		SMOKE DETECTORS OUT OF SERVICE TCC LONG AT DRESDEN 2*	160824 P219
	#REACTOR WATER CLEANUP PIPE AND	SNUBBER FAIL AT DRESDEN 3*	156207 P230
	#SERVICE WATER HEADER ANTI-SIPHON PIPE	SNUBBER FAILS AT BRUNSWICK 1*	163391 P158
	#SAFETY RELATED PIPE	SNUBBER FAILS AT BRUNSWICK 2*	159066 P177
	#SERVICE WATER PIPE	SNUBBER FAILS AT BRUNSWICK 2*	162724 P198
	#HYDRAULIC	SNUBBER FAILS AT HATCH 2*	158299 P364
	#RHR SYSTEM	SNUBBER FAILS AT PILGRIM 1*	155210 P504
	#SAFETY CLASS PIPE	SNUBBER FAILS AT VERMONT YANKEE*	155539 P568
	#HYDRAULIC	SNUBBER FAILS TO LOCK AT OYSTER CREEK*	160235 P461
CREEK*		SNUBBER FAILS TO LOCK IN COMPRESSION DIRECTION AT OYSTER	160295 P459
	#CORE SPRAY	SNUBBER FAILS TO LOCK UP AT OYSTER CREEK*	160433 P464
	#MULTIPLE HPCI TURBINE EXHAUST LINE	SNUBBER FAILURES AT PILGRIM 1*	160187 P522
	#SERVICE WATER DISCHARGE LINE	SNUBBER FOUND INOPERABLE AT BRUNSWICK 2*	155320 P169
	#HYDRAULIC	SNUBBER FOUND INOPERABLE AT FITZPATRICK*	154652 P268
	#INSTRUMENT LINE	SNUBBER FOUND OVER EXTENDED AT BRUNSWICK 1*	159444 P139
		SNUBBER INOPERABLE AT CCOPEP*	162525 P256
	#HPCI EXHAUST LINE	SNUBBER INOPERABLE AT PILGRIM 1*	153465 P501
	#PIPE	SNUBBER LEAKS AT HATCH 1*	158684 P326
	#RECIRCULATION PUMP MOTOR	SNUBBER LEAKS AT VERMONT YANKEE*	159172 P574
	#IMPROPERLY INSTALLED PIPE	SNUBBER DISCOVERED AT OYSTER CREEK*	155601 P452
	#HPCI PIPE	SNUBBER FAIL AND PUMP CASING GASKET LEAKS AT PILGRIM 1*	159179 P515
	#ECCS	SNUBBER FAIL AT HATCH 1*	160138 P338
	#HYDRAULIC	SNUBBER FAIL TEST AT FITZPATRICK*	160203 P286
	#THREE INACCESSIBLE	SNUBBER FOUND INOPERABLE AT BRUNSWICK 1*	154513 P122
	#THREE	SNUBBER FOUND INOPERABLE AT BRUNSWICK 2*	155404 P175
	#TWO SERVICE WATER SYSTEM	SNUBBER INOPERABLE AT BRUNSWICK 1*	154508 P126
		SNUBBER LOCK UP AT HATCH 1*	158817 P320
	#COMPUTER HAS A	SOFTWARE STALL AND GOES OFF LINE AT BRUNSWICK 2*	154677 P167
	#WASTE OIL STORAGE AREA	SOIL CONTAMINATED AT HATCH 1 AND 2*	162080 P345
		SOIL UNDER TURBINE BUILDING CONTAMINATED AT LACROSSE*	162539 P416
	#DRYWELL EXHAUST	SOLENOID COIL NOT QUALIFIED AT BROWNS FERRY 1*	161892 P 76
	#SAFETY RELIEF VALVE	SOLENOID INSULATION DEGRADED AT BRUNSWICK 2*	159135 P180
	#UNQUALIFIED SPLICES DISCOVERED ON MSIV	SOLENOID VALVE POWER CABLES AT MONTICELLO*	156012 P433
	#CONTROL ROD DRIVE SCRAM PILOT	SOLENOIDS NOT TESTED ON TIME AT NINE MILE POINT*	163384 P447
PILGRIM 1*	#A FIRE IN	SOME ELECTRICAL RACEWAYS COULD EFFECT REDUNDANT TRAINS AT	154694 P502
BRUNSWICK 1*		SOME TORUS WATER DRAINED THROUGH CORE SPRAY SYSTEM AT	155314 P133
	#ADS TIMER RELAY OPENS TOO	SOON AT BROWNS FERRY 1*	154917 P 51
	#PLANT SERVICE WATER PUMP SEQUENCED TO BUS TOO	SOON AT HATCH 2*	156122 P360
	#CORE SPRAY PUMP STARTS TOO	SOON AT PEACH BOTTOM 3*	160332 P498
	#SET POINT DRIFT IN	SOURCE RANGE MONITOR AT DRESDEN 3*	161456 P239
		SOURCE RANGE MONITOR FAILS TO WITHDRAW AT BRUNSWICK 2*	161602 P184
		SOURCE RANGE MONITOR RECORDER PIN STICKS AT FITZPATRICK*	158625 P279
		SOURCE RANGE MONITORS FAIL TO DRIVE INTC CCRE AT BRUNSWICK	159603 P179
		SOURCE RANGE MONITORS FAIL TO MOVE AND GIVE UNUSUAL	158655 P179
		SOURCE TRIPS AT PEACH BOTTOM 2*	156027 P477
	#ONE OFF-SITE POWER	SOURCES NOT TESTED WHEN REQUIRED AT HATCH 2*	154942 P350
	#ELECTRICAL POWER	SPACE TEMPERATURE SWITCH AT BROWNS FERRY 1*	161796 P 77
	#SET POINT DRIFT IN HPCI STEAM LINE	SPARE LINES PENETRATING CONTAINMENT AT BROWNS FERRY 1*	155209 P 52
	#ONLY ONE ISOLATION VALVE FOUND ON TWO	SPARE TEMPERATURE SWITCH INSTALLED AT BROWNS FERRY 1*	157030 P 58
	#INCORRECT HPCI STEAM LINE	SPARGER BREAK DETECTION ALARM AT DUANE ARNOLD*	158620 P 10
	#BLOWN FUSES CAUSE LOSS OF CORE SPRAY	SPARGER BREAK DETECTION ALARM SYSTEMS INOPERABLE AT ARNOLD*	154710 P 1
	#BOTH CORE SPRAY	SPARGER PIPING AT OYSTER CREEK*	154449 P450
	#TWO CRACKS FOUND IN THE CORE SPRAY		

YANKEE*	#CRACK DISCOVERED IN CORE SPRAY	SPARGER WELD AT VERMONT YANKEE*	163501 P577
	#LINEAR INDICATIONS FOUND IN CORE SPRAY	SPARGERS AT PILGRIM 1*	155211 P504
	#TECH	SPEC LIMIT FOR RPS DELAY TIME NON-CONSERVATIVE AT VERMONT	155469 P569
	#THREE UNAUTHORIZED TRANSFERS OF	SPECIAL NUCLEAR MATERIAL AT HATCH 1*	161949 P343
	#RDS BATTERY HAS LOW	SPECIFIC GRAVITY AT BIG ROCK POINT*	159256 P 39
	#DIESEL FIRE PUMP BATTERY HAS LOW	SPECIFIC GRAVITY AT FITZPATRICK*	159496 P284
	#CONTAINMENT PRESSURE SWITCHES TRIP OUT OF	SPECS AT DUANE ARNOLD*	160268 P 11
	#STANDBY SERVICE WATER PUMP DOES NOT MEET OPERATING	SPECS AT HATCH 1*	157721 P302
	#HPCI TURBINE DOES NOT REACH RATED	SPEED AT DUANE ARNOLD*	160275 P 10
	#HPCI TURBINE STUCK ON HIGH	SPEED AT QUAD CITIES 2*	159524 P558
	#HPCI TURBINE FAILS TO REACH RATED	SPEED AT VERMONT YANKEE*	156151 P570
	#RCIC TRIPPED ON OVERSPEED DUE TO LOSS OF	SPEED CONTROL AT BROWNS FERRY 3*	157436 P107
	#RCIC FAILS TO RESPOND TO	SPEED CONTROL AT HATCH 1*	159502 P324
	#DIESEL GENERATOR	SPEED CONTROL LOST AT BROWNS FERRY 1*	154441 P 47
	#REACTOR RECIRCULATION PUMP	SPEED CONTROLLER FAILS AT DRESDEN 3*	160456 P236
FERRY 3*	#RCIC	SPEED FEEDBACK MAGNETIC PICKUP CONNECTOR FAILS AT BROWNS	160115 P114
	#DG FAILS TO TRIP TO IDLE	SPEED FROM LOAD AT BROWNS FERRY 3*	160216 P116
	#RECIRC PUMP RUNBACK RESULTS IN PUMP	SPEED MISMATCH AT MILLSTONE 1*	154444 P419
	#HPCI TURBINE	SPEED SWINGS AT HATCH 1*	158790 P319
	#DIESEL OIL	SPILLED INTO CANAL AT PEACH BOTTOM 2*	159483 P480
	#UNQUALIFIED	SPICES AND TERMINAL BLOCKS DISCOVERED AT BIG ROCK POINT*	163386 P 46
	#CABLES	SPICES ARE NOT QUALIFIED AT BRUNSWICK 2*	159158 P180
MONTICELLO*	#UNQUALIFIED	SPICES DISCOVERED ON MSIV SOLENOID VALVE POWER CABLES AT	156012 P433
	#SECTION OF A	SPLIT RING FOUND IN THE MAIN HPCI PUMP IMPELLER AT ARNOLD*	156226 P 6
	#PRESSURE RELIEF SET POINT INCREASE FOR CORE	SPRAY AT USTISH CREEK*	160257 P457
	#CORE	SPRAY BOOSTER PUMP VENT LINE LEAKS AT OYSTER CREEK*	160432 P464
	#CORE	SPRAY COOLER INOPERABLE AT BROWNS FERRY 3*	161619 P120
	#SET POINT DRIFT IN CORE	SPRAY DIFFERENTIAL PRESSURE SWITCH AT DUANE ARNOLD*	155514 P 5
	#CORE	SPRAY DISCHARGE SWITCH FAILS TO OPERATE AT BROWNS FERRY 2*	160285 P 90
	#CONTAINMENT	SPRAY HEAT EXCHANGER TUBES LEAK AT OYSTER CREEK*	155993 P453
	#CONTAINMENT	SPRAY ISOLATION VALVE FAILS AT NINE MILE POINT 1*	158697 P441
	#REACTOR STARTED UP WITH ONE CORE	SPRAY LOOP INOPERABLE AT MONTICELLO*	158553 P434
	#POWER TO CORE	SPRAY LCOOP VALVES LOST AT PEACH BOTTOM 3*	160000 P402
BOTTOM 3*	#CONTAINMENT	SPRAY OUTBOARD ISOLATION VALVE FAILS TO CLOSE AT PEACH	159095 P494
	#SET POINT DRIFT IN CORE	SPRAY PERMISSIVE SWITCH AT FITZPATRICK*	154664 P265
	#SETPOINT DRIFT IN CORE	SPRAY PIPE BREAK DETECTION SWITCHES AT FITZPATRICK*	159313 P288
FITZPATRICK*	#CORE	SPRAY PIPE BREAK DETECTOR SET POINT EXCEEDS LIMIT AT	155303 P270
	#CORE	SPRAY PIPE CRACKS DISCOVERED AT QUAD-CITIES 2*	155987 P553
	#CORE	SPRAY PIPE SUPPORTS DAMAGED AT MILLSTONE 1*	156005 P421
	#FLAW FOUND IN CORE	SPRAY PIPE WELD AT COOPER*	156899 P246
	#CRACKS DISCOVERED IN CORE	SPRAY PIPING AT QUAD CITIES 1*	160091 P548
	#SET POINT DRIFT IN CORE	SPRAY PRESSURE SWITCH AT DUANE ARNOLD*	160353 P 17
	#SET POINT DRIFT IN CONTAINMENT	SPRAY PRESSURE SWITCH AT DUANE ARNOLD*	160460 P 18
	#SET POINT DRIFT IN CORE	SPRAY PRESSURE SWITCH AT PEACH BOTTOM 2*	160550 P483
	#SET POINT DRIFT IN CONTAINMENT	SPRAY PRESSURE SWITCHES AT DUANE ARNOLD*	155512 P 5
	#SET POINT DRIFT IN CONTAINMENT	SPRAY PRESSURE SWITCHES AT CYSTER CREEK*	161763 P467
	#SET POINT DRIFT IN CORE	SPRAY PRESSURE SWITCHES AT CYSTER CREEK*	162044 P469
BROWNS FERRY 1*	#CORE	SPRAY PUMP AREA COOLER FAN THERMCSTAT SET ABOVE LIMIT AT	159399 P 68
	#SET POINT DRIFT IN CORE	SPRAY PUMP DISCHARGE PRESSURE SWITCH AT PEACH BOTTOM 3*	154717 P488
FERRY 1*	#CORE	SPRAY PUMP DISCHARGE SWITCH EXCEEDS SETPOINT AT BROWNS	158269 P 63
PILGRIM 1*	#CORE	SPRAY PUMP FAILS TO START AND VALVE FAILS TO OPEN AT	158613 P508
	#DIESEL FIRE/CORE	SPRAY PUMP FAILS TO START IN TIME AT BIG ROCK POINT*	163389 P 44
	#SET POINT DRIFTS IN CORE	SPRAY PUMP PRESSURE SWITCH AT HATCH 2*	160455 P397
	#CORE	SPRAY PUMP STARTS TOO SOON AT PEACH BOTTOM 3*	160332 P498
	#CORE	SPRAY PUMP SUCTION VENT LINE LEAKS AT OYSTER CREEK*	160863 P466
	#CORE	SPRAY PUMPS ACTUATE AT CYSTER CREEK*	160236 P460
	#CORE	SPRAY PUMPS FAIL TO START AT COOPER*	159565 P247
	#CORE	SPRAY RELIEF VALVE LEAKS AT DRESDEN 3*	155194 P225
	#CORE	SPRAY RELIEF VALVE LEAKS AT DRESDEN 3*	156987 P231
	#CORE	SPRAY SNUBBER FAILS TO LOCK UP AT CYSTER CREEK*	160433 P464
ARNOLD*	#BLOWN FUSES CAUSE LOSS OF CORE	SPRAY SPARGER BREAK DETECTION ALARM AT DUANE ARNOLD*	158820 P 10
	#BOTH CORE	SPRAY SPARGER BREAK DETECTION ALARM SYSTEMS INOPERABLE AT	154710 P 1
	#TWO CRACKS FOUND IN THE CORE	SPRAY SPARGER PIPING AT OYSTER CREEK*	154449 P450
	#CRACK DISCOVERED IN CORE	SPRAY SPARGER WELD AT VERMONT YANKEE*	163501 P577
	#LINEAR INDICATIONS FOUND IN CORE	SPRAY SPARGERS AT PILGRIM 1*	155211 P504
	#SET POINT DRIFT IN CORE	SPRAY SWITCH AT BROWNS FERRY 1*	163338 P 78
	#SET POINT DRIFT IN CONTAINMENT	SPRAY SWITCHES AT OYSTER CREEK*	162041 P470
	#SOME TORUS WATER DRAINED THROUGH CORE	SPRAY SYSTEM AT BRUNSWICK 1*	155314 P133
	#CORE	SPRAY SYSTEM INOPERABLE AT CYSTER CREEK 1*	160902 P463
	#CORE	SPRAY SYSTEM PUMPS INOPERABLE AT CYSTER CREEK*	162045 P465
	#NO WATER FLOWS THROUGH CORE	SPRAY SYSTEM ROOM COOLER AT BROWNS FERRY 1*	157700 P 62
	#DIESEL GENERATOR AND CORE	SPRAY TESTS NOT PERFORMED ON TIME AT HATCH 2*	156988 P364
*	#CORE	SPRAY TC CORE PLATE DELTA P ALARM ACTIVATED AT DUANE ARNOLD*	159564 P 16
	#CORE	SPRAY VALVE FAILS TO OPEN AT FITZPATRICK*	153729 P266
	#CORE	SPRAY VALVE FAILS TO OPEN AT FITZPATRICK*	154660 P267
	#CONTAINMENT	SPRAY VALVE FAILS TO OPEN AT HATCH 1*	156991 P315
	#CORE	SPRAY VALVE FAILS TO OPEN AT PILGRIM 1*	160251 P525
	#CORE	SPRAY VALVE FAILS TO OPEN AT QUAD CITIES 2*	160067 P559
	#CORE	SPRAY VALVE FAILS TO REOPEN DURING TEST AT FITZPATRICK*	154650 P262
	#UPDATE ON CONTAINMENT	SPRAY VALVE FAILURE AT PEACH BOTTOM 3*	163583 P494
	#FIRE WATCH REMOVED FROM CABLE	SPREADING ROOM AT ARNOLD*	154874 P 3
	#PRCPR FIRE WATCH NOT ESTABLISHED IN CABLE	SPREADING ROOM AT DUANE ARNOLD*	158304 P 8
	#REACTOR BUILDING HVAC ROOM	SPRINKLER SYSTEM INOPERABLE AT HATCH 1*	162058 P345
HATCH 2*	#DIESEL GENERATOR DAY TANK ROOM FIRE	SPRINKLERS OUT OF SERVICE TCO LCAV AT DUANE ARNOLD*	158665 P 28
		SPURIOUS AUTO ISOLATION SIGNAL MAKES HPCI INOPERABLE AT	156958 P374
		SPURIOUS HPCI INITIATION OCCURS AT HATCH 1*	156997 P318
	#ROD WORTH MINIMIZER GIVES	SPURIOUS ROD BLOCKS AT BRUNSWICK 1*	160206 P151

FITZPATRICK*	# TORUS HYDROGEN MONITOR ANNUNCIATES	# SPURIOUS SIGNAL CLOSES HPCI STEAM SUPPLY VALVE AT	154655 P261
	# ROD BLOCK MONITOR PANEL ILLUMINATES	SPURIOUSLY AT BROWNS FERRY 1*	160305 P 71
	# REACTOR VESSEL RELIEF VALVE OPENS	SPURIOUSLY AT BRUNSWICK 1*	159160 P138
	# REACTOR VESSEL RELIEF VALVE OPENS	SPURIOUSLY AT PILGRIM 1*	160497 P528
	# TURBINE COMPUTER SYSTEM	SPURIOUSLY AT PILGRIM 1*	160559 P532
PILGRIM 1*		SPURIOUSLY SCRAMS REACTOR AT COOPER*	159253 P253
	# SR-90 CONCENTRATION IN MILK SAMPLE EXCEEDS REPORT LIMIT AT		154592 P504
ARNOLD*	# A NUMBER OF	SRM PROBLEMS WERE ENCOUNTERED AT FITZPATRICK*	154535 P263
DUANE ARNOLD*	# OFF GAS	STACK FILTER AND CARTRIDGE LOST CN SITE BEFORE ANALYSIS AT	154675 P 26
		STACK FILTERS NOT ANALYZED FOR ALPHAS DURING APRIL AT	159069 P 27
	# PLANT	STACK GAS GRAB SAMPLE PUMP TRIPS AT PILGRIM 1*	159546 P512
		STACK GAS MONITORING SYSTEM INOPERABLE AT FITZPATRICK*	155523 P271
	# LOSS OF FLOW TO	STACK GAS RADIATION MONITOR FLOW LOW AT FITZPATRICK*	154644 P263
	# REACTOR BUILDING VENT	STACK GAS SAMPLING SYSTEM AT NINE MILE POINT 1*	160003 P441
	# MAIN	STACK RADIATION MONITOR FAILS AT HATCH 1*	155588 P305
		STACK RADIATION MONITOR SAMPLE PUMPS FAIL AT HATCH 1*	157122 P312
	# SET POINT DRIFT IN TURBINE FIRST	STACK RELEASES NOT MONITORED AT CYSTER CREEK 1*	160207 P462
	# TURBINE FIRST	STAGE PRESSURE PERMISSIVE SWITCHES AT BROWNS FERRY 1*	159418 P 68
	# COMPUTER HAS A SOFTWARE	STAGE PRESSURE SWITCH SET POINTS HIGH AT BROWNS FERRY 3*	159245 P114
	# DRYWELL TO TEMPERATURE RECORDER WAS NOT	STALL AND GOES OFF LINE AT BRUNSWICK 2*	154677 P167
	# DRYWELL TEMPERATURE RECORDER WAS	STAMPING AT HATCH 1*	159669 P327
		STAMPING UPSCALE AT HATCH 1*	159673 P326
		STANDBY DIESEL SERVICE WATER PUMP TRIPS AT HATCH 1*	153505 P298
		STANDBY GAS TREATMENT CHARCCAL BED LEAKS AT QUAD CITIES 1*	154920 P539
		STANDBY GAS TREATMENT FAN FAILS TO MEET FLOW REQUIREMENTS	153740 P300
		STANDBY GAS TREATMENT FAN TRIPS ON OVERLOAD AT OYSTER CREEK	159328 P462
		STANDBY GAS TREATMENT FILTER ASSEMBLY ISOLATION VALVE	161071 P483
		STANDBY GAS TREATMENT FILTER TRAIN FAILS TO START AT HATCH	156935 P372
		STANDBY GAS TREATMENT OPERABILITY TEST NOT PERFORMED ON	158602 P178
		STANDBY GAS TREATMENT POWER CABLES UNDERSIZED AT HATCH 2*	156881 P369
		STANDBY GAS TREATMENT PROCEDURE CHANGES NOT REVIEWED AT	160277 P321
		STANDBY GAS TREATMENT RADIATION MONITORS AT OYSTER CREEK*	155557 P451
		STANDBY GAS TREATMENT SYSTEM FAILS AT FITZPATRICK*	159531 P287
		STANDBY GAS TREATMENT SYSTEM FLOWRATE FALLS BELOW LIMIT AT	155436 P452
		STANDBY GAS TREATMENT SYSTEM INOPERABLE AT PILGRIM 1*	159522 P517
		STANDBY GAS TREATMENT SYSTEM OPERATED IN DEGRADED MODE AT	160334 P463
		STANDBY GAS TREATMENT SYSTEM TRAIN AT HATCH 2*	156990 P363
		STANDBY GAS TREATMENT SYSTEM TRIPS AT DRESDEN 3*	161062 P236
		STANDBY GAS TREATMENT TRAIN FAILS TO RESET AT BRUNSWICK 1*	156176 P136
		STANDBY GAS TREATMENT UNIT FAILS AT CYSTER CREEK*	155994 P454
		STANDBY LIQUID CONTROL DISCHARGE RELIEF VALVE AT HATCH 2*	157072 P367
		STANDBY LIQUID CONTROL PUMP BREAKER TRIPS INADVERTENTLY AT	161936 P121
		STANDBY LIQUID CONTROL PUMP FAILS OPERABILITY TEST AT	156937 P368
		STANDBY LIQUID CONTROL RELIEF VALVE AT HATCH 1*	154889 P303
		STANDBY LIQUID CONTROL RELIEF VALVE FAILS TO OPEN AT	159199 P147
		STANDBY LIQUID CONTROL RELIEF VALVES AT DRESDEN 3*	156010 P228
		STANDBY LIQUID CONTROL SYSTEM INOPERABLE AT HATCH 2*	159670 P388
		STANDBY LIQUID CONTROL VALVE EXCEEDS LIMIT AT MONTICELLO*	156240 P425
		STANDBY SERVICE WATER PUMP DOES NOT MEET OPERATING SPECS	157721 P302
		STANDBY SERVICE WATER PUMP INOPERABLE AT HATCH 2*	161770 P402
		START AND VALVE FAILS TO OPEN AT PILGRIM 1*	158613 P508
	# CORE SPRAY PUMP FAILS TO	START AT BRUNSWICK 1*	155555 P126
	# RHR SERVICE WATER PUMP FAILS TO	START AT BRUNSWICK 1*	155379 P134
	# RHR SERVICE WATER PUMPS FAIL TO	START AT BRUNSWICK 2*	160466 P187
	# CCNTRCL BUILDING EMERGENCY FILTER FAN FAILS TO	START AT BRUNSWICK 2*	162727 P197
	# CORE SPRAY PUMPS FAIL TO	START AT COOPER*	159565 P247
	# DIESEL GENERATOR FAILS TO	START AT DRESDEN 3*	157050 P231
	# DIESEL GENERATOR FAILS TO	START AT DUANE ARNOLD*	159058 P 15
	# DIESEL GENERATOR FAILS TO	START AT HATCH 1*	156975 P311
	# DIESEL GENERATOR FAILS TO	START AT HATCH 1*	158683 P325
	# RB RADIATION MONITOR SAMPLE PUMP FAILS TO	START AT HATCH 1*	159567 P326
	# REACTOR BLDG VENT RAD MONITOR SAMPLE PUMPS FAIL TO	START AT HATCH 1*	159248 P335
	# LPCI PUMP FAILS TO	START AT HATCH 2*	156994 P370
	# STANDBY GAS TREATMENT FILTER TRAIN FAILS TO	START AT HATCH 2*	156935 P372
	# DIESEL GENERATOR FAILS TO	START AT HATCH 2*	160441 P356
	# SERVICE WATER DIESEL GENERATOR FAILS TO	START AT LACROSSE*	160454 P415
	# RHR PUMP ROOM COOLER FAILS TO	START AT PEACH BOTTOM 2*	160434 P481
	# RHR PUMP ROOM COOLER FAILS TO	START AT PEACH BOTTOM 2*	162488 P487
	# RHR PUMP FAILS TO	START AT QUAD-CITIES 2*	160564 P561
	# RHR SERVICE WATER PUMPS FAILS TO	START AT VERMONT YANKEE*	155992 P569
	# DIESEL GENERATOR FAILS TO	START FOLLOWING LOSS OF SHUTDOWN SIGNAL AT BROWNS FERRY 1*	158727 P 66
	# DIESEL GENERATOR FAILS TO	START FROM THE CONTROL ROOM AT QUAD CITIES 1*	156006 P541
	# DIESEL GENERATOR FAILS TO	START IN REQUIRED TIME AT HATCH 2*	154574 P348
	# DIESEL FIRE/CORE SPRAY PUMP FAILS TO	START IN TIME AT BIG ROCK POINT*	163389 P 44
	# DIESEL GENERATOR FAILS TO	START IN TIME AT BRUNSWICK 1*	161075 P156
	# SET POINT DRIFT IN RHR PUMP	START RELAY AT HATCH 2*	156133 P358
	# DIESEL GENERATOR FAILS TO	START WITHIN SEVEN SECONDS AT HATCH 1*	133506 P297
MONTICELLO*	# REACTOR	STARTED UP WITH ONE CORE SPRAY LCCP INOPERABLE AT	158553 P434
	# REACTOR	STARTED WITH OFF-GAS MONITORS INOPERABLE AT PEACH BOTTOM 2*	154736 P476
	# CORE SPRAY PUMP	STARTS TOO SOON AT PEACH BOTTOM 3*	160332 P498
	# INOPERABLE PIPING SUPPORT NOT REPAIRED PRIOR TO	STARTUP AT BRUNSWICK 2*	153733 P165
	# RCIC TURBINE TRIPPED ON REACTOR	STARTUP AT HATCH 1*	160250 P318
	# CMPP EXCEEDS LIMIT DURING	STARTUP AT HATCH 2*	154741 P352
	# ONE CONTROL ROD NOT PULLED TO TARGET POSITION DURING	STARTUP AT HATCH 2*	156132 P357
	# RCIC TRIPS ON MANUAL	STARTUP AT HATCH 2*	159127 P381
		STARTUP RANGE MONITORS FAIL AT BRUNSWICK 1*	159161 P138
	# WRONG INDICATION ON	STARTUP RANGE RECORDER AT FITZPATRICK*	158667 P282

OYSTER CREEK*	#MAIN	STATION AND DG BATTERIES NOT TESTED WHEN REQUIRED AT	155443 P454
HATCH 2*	#EMERGENCY	STATION BATTERIES FAIL TO MAINTAIN THEIR LOADS AT HATCH 2*	156117 P359
	#CONTINUOUS AIR SAMPLING	STATION BATTERY CHARGERS FAIL TO MAINTAIN REQUIRED LOAD AT	156121 P360
	#NO FAILURE -	STATION INOPERABLE AT VERMONT YANKEE*	162048 P581
	#HPCI STOP VALVE FAILS TO	STATION ORGANIZATION CHANGED AT PILGRIM 1*	160229 P523
	#RCIC DRAIN LINE LEAKS	STAY OPEN AT BROWNS FERRY 1*	153490 P 46
	#MAIN	STEAM AT MONTICELLO*	160210 P437
	#HPCI HIGH	STEAM BYPASS VALVE INOPERABLE AT PEACH BOTTOM 2*	161618 P485
	#SET POINT DRIFT IN HPCI	STEAM FLOW INSTRUMENT FAILS DOWNSCALE AT COOPER*	154051 P241
	#SET POINT DRIFT IN RCIC HIGH	STEAM FLOW SENSOR AT PEACH BOTTOM 2*	160485 P481
	#SET POINT DRIFT IN RCIC TURBINE	STEAM FLOW SWITCH AT FITZPATRICK*	154653 P261
		STEAM FLOW SWITCH AT PEACH BOTTOM 3*	155347 P491
	#MAIN	STEAM ISOLATION SWITCHES FAIL TO OPERATE AT BROWNS FERRY 3*	158235 P106
	#HPCI	STEAM ISOLATION VALVE CLOSES AT FITZPATRICK*	155517 P273
	#MAIN	STEAM ISOLATION VALVE CLOSES TOO FAST AT BROWNS FERRY 3*	160080 P116
	#MAIN	STEAM ISOLATION VALVE FAILS TO CLOSE AT BIG ROCK POINT*	161674 P 42
	#MAIN	STEAM ISOLATION VALVE FAILS TO CLOSE AT HATCH 2*	158245 P380
	#MAIN	STEAM ISOLATION VALVE FAILS TO CLOSE AT QUAD CITIES 1*	158708 P544
	#MAIN	STEAM ISOLATION VALVE FAILS TO CLOSE IN TIME AT COOPER*	163531 P240
	#RCIC	STEAM ISOLATION VALVE LEAKS AT BRUNSWICK 2*	162720 P200
	#MAIN	STEAM ISOLATION VALVE LEAKS AT FITZPATRICK*	158612 P282
	#MAIN	STEAM ISOLATION VALVE LIMIT SWITCH FAILS TO RESET AT	163403 P296
	#MAIN	STEAM ISOLATION VALVES CLOSE TOO FAST AND FAIL TO INDICATE	160835 P559
	#MAIN	STEAM ISOLATION VALVES EXCEED LEAK RATE AT BROWNS FERRY 2*	160921 P 95
	#LEAK RATE UP THREE	STEAM ISOLATION VALVES EXCEED LIMIT AT BROWNS FERRY 1.*	164617 P 44
	#MAIN	STEAM ISOLATION VALVES FAIL TO CLOSE AT NINE MILE POINT 1*	160001 P441
	#TWO MAIN	STEAM ISOLATION VALVES FAIL TO MEET LEAK RATE AT MILLSTONE	160060 P423
		STEAM LEAK DETECTION LOGIC TOPAZ INVERTER TRIPS AT	155323 P165
	#POWER SUPPLY FOR RCIC	STEAM LEAK DETECTION SYSTEM FAILS TWICE AT HATCH 2*	154621 P347
	#SET POINT DRIFT IN MAIN	STEAM LEAK IN CONDENSER DRAIN LINE AT MONTICELLO*	160918 P437
	#CONTAINMENT DESIGN REVIEWED FOR	STEAM LINE AREA TEMPERATURE SWITCHES AT MONTICELLO*	156044 P430
	#HPCI	STEAM LINE BREAKS AT BIG ROCK POINT*	159293 P 39
	#HPCI	STEAM LINE DELTA P FLOW SWITCH INOPERABLE AT HATCH 2*	159306 P391
	#SET POINT DRIFT IN HPCI	STEAM LINE DELTA P SWITCH SHORTS AT HATCH 2*	156883 P376
	#MAIN	STEAM LINE DP SWITCH AT HATCH 2*	161872 P400
	#RCIC	STEAM LINE DRAIN ISOLATION VALVE FAILS TO CLOSE AT PILGRIM	159280 P520
	#MAIN	STEAM LINE DRAIN PIPE LEAKS AT MONTICELLO*	163492 P427
	#SET POINT DRIFT IN HPCI	STEAM LINE DRAIN VALVE FAILS IN MID POSITION AT HATCH 1*	154667 P301
	#MAIN	STEAM LINE FLOW SWITCH AT HATCH 2*	158771 P386
OYSTER CREEK*	#MAIN	STEAM LINE HIGH FLOW SENSORS FAIL TO TRIP ON SETPOINT AT	163385 P470
	#SET POINT DRIFT IN MAIN	STEAM LINE HIGH FLOW SWITCH AT MILLSTONE 1*	155195 P420
DRESDEN 3*	#MAIN	STEAM LINE HIGH FLOW SWITCH FAILS TO TRIP ON SETPOINT AT	158821 P233
	#SET POINT DRIFT IN RCIC TURBINE	STEAM LINE HIGH FLOW SWITCHES AT PEACH BOTTOM 2*	161779 P484
	#SET POINT DRIFT IN MAIN	STEAM LINE HIGH RADIATION MONITOR AT BRUNSWICK 1*	154882 P130
BRUNSWICK 1*	#MAIN	STEAM LINE HIGH RADIATION MONITOR CUT OF CALIBRATION AT	154510 P125
DUANE ARNOLD*	#MAIN	STEAM LINE LEAK DETECTION TEMPERATURE SWITCH SET HIGH AT	160325 P 12
	#SET POINT DRIFT IN RCIC	STEAM LINE LOW PRESSURE SWITCH AT FITZPATRICK*	163404 P296
	#SET POINT DRIFT IN MAIN	STEAM LINE LOW PRESSURE SWITCH AT MONTICELLO*	155191 P428
	#SET POINT DRIFT IN MAIN	STEAM LINE LOW PRESSURE SWITCH AT PEACH BOTTOM 2*	162487 P486
	#SET POINT DRIFT IN MAIN	STEAM LINE LOW PRESSURE SWITCH AT QUAD CITIES 2*	159342 P557
DRESDEN 2*	#MAIN	STEAM LINE LOW PRESSURE TEST NOT COMPLETED ON TIME AT	154618 P208
	#SET POINT DRIFT IN	STEAM LINE OVER TEMPERATURE SWITCH AT DRESDEN 3*	155445 P229
	#LOW PRESSURE SENSED BY MAIN	STEAM LINE PRESSURE SENSOR AT BROWNS FERRY 2*	156337 P 85
	#SET POINT DRIFT IN MAIN	STEAM LINE PRESSURE SWITCH AT DRESDEN 2*	163515 P223
	#SET POINT MAIN	STEAM LINE PRESSURE SWITCH AT HATCH 2*	161473 P401
	#SET POINT DRIFT IN	STEAM LINE PRESSURE SWITCH AT PEACH BOTTOM 2*	161961 P485
	#SET POINT DRIFT IN MAIN	STEAM LINE RADIATION MONITOR AT BRUNSWICK 2*	154559 P162
	#RPS HALF SCRAM CAUSED BY	STEAM LINE RADIATION MONITOR AT DRESDEN 2*	157163 P211
TIME AT VERMONT YANKEE*	#MAIN	STEAM LINE RADIATION MONITOR CALIBRATION NOT PERFORMED ON	156882 P571
FERRY 2*	#MAIN	STEAM LINE RADIATION MONITOR FAILS AT PEACH BOTTOM 3*	154729 P489
	#MAIN	STEAM LINE RADIATION MONITOR FAILS DOWNSCALE AT BROWNS	155488 P 83
	#MAIN	STEAM LINE RADIATION MONITOR READS LOW AT QUAD CITIES 1*	156004 P541
	#SET POINT DRIFT IN HPCI	STEAM LINE RADIATION MONITOR TRIPPED AT DRESDEN 2*	160264 P213
FERRY 1*	#INCORRECT HPCI	STEAM LINE SPACE TEMPERATURE SWITCH AT BROWNS FERRY 1*	161796 P 77
	#TWO MAIN	STEAM LINE SPARE TEMPERATURE SWITCH INSTALLED AT BROWNS	137030 P 58
BOTTOM 2*	#MAIN	STEAM LINE SUPPORT WELDS FAIL AT MILLSTONE 1*	161470 P424
	#SET POINT DRIFT IN MAIN	STEAM LINE TEMPERATURE MONITORS INDICATE LOW AT PEACH	153477 P474
	#MAIN	STEAM PRESSURE RELIEF VALVE STICKS OPEN AT DUANE ARNOLD*	157129 P361
	#HPCI AND RCIC	STEAM PRESSURE SWITCH SETPOINTS INCORRECT AT FITZPATRICK*	161716 P 22
	#BRACING BETWEEN MAIN	STEAM RELIEF VALVE VENT LINE LEGS MISSING AT HATCH 1*	159576 P288
	#SET POINT DRIFT IN MAIN	STEAM RELIEF VALVES AT VERMONT YANKEE*	153504 P299
FERRY 2*	#MAIN	STEAM RELIEF VALVES FAIL TO ACTUATE PROPERLY AT BROWNS	160930 P578
BOTTOM 3*	#MAIN	STEAM SAMPLE LINE ISOLATION VALVE FAILS TO CLOSE AT PEACH	160153 P 94
	#HPCI	STEAM SUPPLY ISOLATION VALVE FAILS AT MONTICELLO*	154597 P488
	#RCIC	STEAM SUPPLY LINE ISOLATION VALVE FAILS TO CLOSE AT HATCH 2	159422 P436
*	#RCIC	STEAM SUPPLY LINE VALVE FAILS TO OPEN AT DUANE ARNOLD*	158643 P370
	#STEAM	STEAM SUPPLY PIPING NOZZLE WELD CRACKS AT MILLSTONE 1*	160501 P 21
	#SPURIOUS SIGNAL CLOSES HPCI	STEAM SUPPLY VALVE AT FITZPATRICK*	161471 P425
	#RCIC	STEAM SUPPLY VALVE FAILS TO CLOSE AT PEACH BOTTOM 2*	154655 P261
	#HPCI	STEAM SUPPLY VALVE FAILS TO OPEN AT DRESDEN 2*	160122 P480
	#HPCI	STEAM SUPPLY VALVE FAILS TO OPEN AT DRESDEN 3*	160566 P220
	#RCIC	STEAM SUPPLY VALVE LIMIT SWITCH FAILS AT DUANE ARNOLD*	160903 P238
	#HPCI	STEAM SUPPLY VALVE MOTOR FAILS AT FITZPATRICK*	160856 P 19
	#HPCI	STEAM SUPPLY VALVES CLOSE ABOVE PRESSURE LIMIT AT HATCH 1*	162035 P295
	#HPCI	STEAM SUPPLY VALVES CLOSE ABOVE PRESSURE LIMIT AT HATCH 1*	153503 P161
CITIES 1*	#RCIC	STEAM SUPPLY VALVES LEFT CLOSED FOLLOWING TEST AT QUAD-	153503 P299
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#PRESSURE SWITCH IN MAIN STEAM SYSTEM TRIPS AT DRESDEN 3* 157058 P231
#HPCI STEAM THROTTLE VALVE OSCILLATES AT PILGRIM 1* 160344 P524
#HPCI STEAM THROTTLE VALVE OSCILLATES AT PILGRIM 1* 160240 P524
#SET POINT DRIFT IN HPCI STEAMLINE HIGH O/P SWITCH AT BRUNSWICK 2* 156107 P173
#HPCI STEAMLINE LEAKS AT QUAD-CITIES 2* 159241 P557
#SET POINT DRIFT IN HPCI STEAMLINE LOW PRESSURE SWITCH AT HATCH 1* 161614 P342
#SET POINT DRIFT IN HIGH STEAMLINE RADIATION CHANNEL AT BRUNSWICK 1* 157057 P134
#SET POINT DRIFT IN HIGH STEAMLINE RADIATION CHANNEL AT BRUNSWICK 1* 160317 P142
#CRACKED WELD IN STRUCTURAL STEEL BEAM AT BRUNSWICK 2* 161843 P195
#HPCI STOP VALVE STEAM FAILS AT COOPER* 155604 P242
#CONTAINMENT ATMOSPHERE MONITOR HAS A STEP CHANGE AT BRUNSWICK 1* 154876 P130
BRUNSWICK 1* #STEP CHANGE IN CONTAINMENT ATMOSPHERIC MONITOR READING AT 156186 P138
#OXYGEN CHANNEL OF CONTAINMENT ATMOSPHERIC MONITOR HAS A STEP CHANGED AT BRUNSWICK 1* 156115 P128
#CONTAINMENT ATMOSPHERIC MONITOR HAS A STEP INCREASE AT BRUNSWICK 1* 154676 P127
#SOURCE RANGE MONITOR RECORDER PIN STICKS AT FITZPATRICK* 158625 P279
#REACTOR LOW WATER LEVEL SWITCH STICKS CLOSED AT BRUNSWICK 2* 158732 P180
#STEAM PRESSURE RELIEF VALVE STICKS OPEN AT DUANE ARNOLD* 161716 P 22
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#HPCI STOP VALVE COVER LEAKS AT QUAD-CITIES 2* 161902 P562
#HPCI STOP VALVE FAILS TO OPEN COMPLETELY AT BRUNSWICK FERRY 1* 156211 P 56
#HPCI STOP VALVE FAILS TO STAY OPEN AT BRUNSWICK FERRY 1* 153490 P 46
#HPCI STOP VALVE STEM FAILS AT COOPER* 155604 P242
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#NITROGEN STORAGE TANK CONTENTS FALL BELOW LIMIT AT HATCH 1* 162741 P344
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#SET POINT DRIFT IN CONDENSATE STORAGE TANK LEVEL SWITCH AT BRUNSWICK 1* 155565 P127
#SETPOINT DRIFT IN CONDENSATE STORAGE TANK LEVEL SWITCH AT FITZPATRICK* 156197 P274
#NITROGEN STORAGE TANK LEVEL TOO LOW AT HATCH 1* 159503 P324
#CONDENSATE STORAGE TANK LOW LEVEL SWITCH FAILS AT DUANE ARNOLD* 160829 P 19
#EXCESSIVE EROSION NOTED IN SW PUMPS STRAINER BACKWASH LINE AT COOPER* 153972 P240
#CONTROL ROD DRIVE HYDRAULIC PIPE SUPPORTS FAIL TO MEET STRESS LIMITS AT MONTICELLO* 156339 P433
#PIPE SUPPORT STRESSES EXCEED LIMITS AT PEACH BOTTOM 2* 160372 P495
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#LEAK FOUND IN RECIRC PUMP SUCTION TEST SECTION AT BRUNSWICK 2* 154732 P162
#RTGB CONTROL SWITCH FOR HPCI TORUS SUCTION VALVE FAILS AT BRUNSWICK 1* 155397 P132
#SHUTDOWN COOLING SUCTION VALVE FAILS TO OPEN AT HATCH 1* 158754 P321
#HPCI SUPPRESSION CHAMBER SUCTION VALVE FAILS TO OPEN AT HATCH 2* 159317 P390
#RRR PUMP SUCTION VALVE LEAKS AT HATCH 2* 161628 P403
#CORE SPRAY PUMP SUCTION VENT LINE LEAKS AT CYSTER CREEK* 160863 P466
#RRR SERVICE WATER PUMP FLOW DROPS SUDDENLY AT HATCH 2* 155433 P357
#RRR SERVICE WATER PUMPS FAIL TO PROVIDE SUFFICIENT FLOW AT FITZPATRICK* 160227 P286
#DRYWELL DRAIN SUMP FLOW INSTRUMENT INOPERABLE AT COOPER* 159505 P252
#DRYWELL SUMP FLOW TRANSMITTER FALLS OFF AT BRUNSWICK FERRY 3* 159492 P109
#DRYWELL SUMP INTEGRATOR AND FLOW RECORDER INOPERABLE AT FITZPATRICK* 160882 P292
#DRYWELL SUMP ISOLATION VALVE FAILS TO CLCSE AT MONTICELLO* 161895 P438
#CONTAINMENT SUMP ISOLATION VALVE FAILS TO CLCSE AT VERMONT YANKEE* 158722 P573
#DRYWELL SUMP PUMP FAILS AT FITZPATRICK* 160880 P292
#DRYWELL FLOOR SUMP PUMP FLOW INTEGRATOR INOPERABLE AT PILGRIM 1* 160528 P530
#DRYWELL DRAIN SUMP PUMP FLOW SENSORS OUT OF TOLERANCE AT FITZPATRICK* 159575 P288
#LEAK RATE OF DRYWELL EQUIPMENT DRAIN SUMP VALVE EXCEEDS LIMIT AT MONTICELLO* 156244 P432
#BACKUP AIR SUPPLIES TO CONTAINMENT VENTILATION VALVES FAIL AT PEACH 155501 P491
#ADS SAFETY-RELIEF VALVE AIR SUPPLY CHECK VALVES LEAK AT PEACH BOTTOM 2* 154734 P475
#POWER SUPPLY FOR RCIC STEAM LEAK DETECTION SYSTEM FAILS TWICE AT 154621 P347
#LPCI INDEPENDENT POWER SUPPLY INVERTER TRIPS AT FITZPATRICK* 163463 P278
#HPCI STEAM SUPPLY ISOLATION VALVE FAILS AT MONTICELLO* 159422 P436
#NITROGEN PURGE SUPPLY ISOLATION VALVE FAILS TO CLCSE AT PILGRIM 1* 160212 P526
#LEAK FOUND ON HPCI PUMP SEAL SUPPLY LINE AT ARNOLD* 155527 P 3
#RCIC STEAM SUPPLY LINE ISOLATION VALVE FAILS TO CLCSE AT HATCH 2* 158643 P370
#RCIC STEAM SUPPLY LINE VALVE FAILS TO OPEN AT DUANE ARNOLD* 160501 P 21
#RIVER WATER SUPPLY LOOP OUT OF SERVICE AT DUANE ARNOLD* 160458 P 18
#STEAM SUPPLY PIPING NOZZLE WELD CRACKS AT HILLSTONE 1* 161471 P425
#POWER SUPPLY TRIPS AT VERMONT YANKEE* 160103 P575
#SPURIOUS SIGNAL CLOSING HPCI STEAM SUPPLY VALVE AT FITZPATRICK* 154655 P261
#RCIC STEAM SUPPLY VALVE FAILS TO CLOSE AT PEACH BOTTOM 2* 160122 P480
#HPCI STEAM SUPPLY VALVE FAILS TO OPEN AT DRESDEN 2* 160566 P220
#HPCI STEAM SUPPLY VALVE FAILS TO OPEN AT DRESDEN 3* 160903 P238
#RCIC STEAM SUPPLY VALVE LIMIT SWITCH FAILS AT DUANE ARNOLD* 160856 P 19
#HPCI STEAM SUPPLY VALVE MOTOR FAILS AT FITZPATRICK* 162035 P295
#AIR SUPPLY VALVE TO ISOLATION VALVE INADVERTENTLY CLOSED AT 161974 P486
#HPCI STEAM SUPPLY VALVES CLOSE ABOVE PRESSURE LIMIT AT HATCH 1* 153503 P161
#HPCI STEAM SUPPLY VALVES CLOSE ABOVE PRESSURE LIMIT AT HATCH 1* 153503 P299
#DIESEL GENERATOR SERVICE WATER SUPPLY VALVES FAIL AT BRUNSWICK 1* 156993 P141
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#TUBING GOING INTO CONTAINMENT LACKS PROPER SUPPORT AT HATCH 1* 158788 P319
#RRR LOOP SUPPORT INOPERABLE AT FITZPATRICK* 153728 P267
#INSTRUMENT AIR PIPE SUPPORT MISSING AT HATCH 1* 159605 P332
#PSW SYSTEM SEISMIC PIPING SUPPORT NOT INSTALLED AT HATCH 1* 160124 P337
#INOPERABLE PIPING SUPPORT NOT REPAIRED PRIOR TO STARTUP AT BRUNSWICK 2* 153733 P169
#SAFETY/RELIEF VALVE AIR LINE SUPPORT NOT SEISMICALLY QUALIFIED AT MONTICELLO* 156018 P432

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#CRACK FOUND IN HPCI TURBINE COUPLING BEARING
#CRACK DISCOVERED IN HPCI TURBINE COUPLING BEARING
#RCIC PIPE
#PIPE
#TWO MAIN STEAM LINE
#RHR MINIMUM FLOW LINES NOT ADEQUATELY
#SERVICE WATER LINE INADEQUATELY
#TEN PIPES NOT
#CONTROL ROD DRIVE SCRAM DISCHARGE PIPE
#CORE SPRAY PIPE
#SERVICE WATER PIPING
#IMPROPERLY INSTALLED PIPE
#CONTROL ROD DRIVE HYDRAULIC PIPE
#INADEQUATE PIPE
#CRD PIPING
#CRD PIPING
#INADEQUATE FIRE PROTECTION PIPE
#TWO SEISMIC
#SCRAM DISCHARGE VOLUME DRAIN LINE PIPE
#CONTROL ROD DRIVE SCRAM DISCHARGE PIPE

BROWNS FERRY 3*
CITIES 1*
#DRYWELL TO
#RHR
#UPDATE REPORT ON
#HPCI
#REACTOR BUILDING TO

CALIBRATION AT FITZPATRICK*

COOPER*
CITIES 2*
2*

BRUNSWICK 2*
CITIES 1*
#MANUAL VALVE ON HPCI
#SHOCK
#SHOCK
#BATTERY
#RB VENTILATION EXHAUST
#SMOKE DETECTOR
#HEAT DETECTOR
#HIGH DRYWELL PRESSURE SWITCH
#CONTROL ROD FREE TRAVEL INTERLOCK

PILGRIM 1*
#LPCI HEAT EXCHANGER
#RHR
#EXCESSIVE EROSION NOTED IN
#UPDATE ON SINGLE FAILURE CRITERION VIOLATION BY
#HPCI TURBINE SPEED
#CONTROL ROD POSITION
#SET POINT DRIFT IN HPCI STEAM LINE SPACE TEMPERATURE
#SET POINT DRIFT IN CORE SPRAY
#SET POINT DRIFT IN MAINSTEAM LINE HIGH FLOW
#SET POINT DRIFT IN REACTOR WATER LEVEL
#SET POINT DRIFT IN REACTOR PRESSURE
#INCORRECT SET POINT IN REACTOR LEVEL
#SET POINT DRIFT IN REACTOR LOW PRESSURE
#SET POINT DRIFT IN RCIC REACTOR WATER LEVEL TRIP
#SET POINT DRIFT IN DRYWELL HIGH PRESSURE
#SET POINT DRIFT IN PRESSURE
#SET POINT DRIFT IN RECIRCULATION VALVE
#SET POINT DRIFT IN REACTOR VESSEL SHROUD LEVEL
#SET POINT DRIFT IN CONDENSATE STORAGE TANK LEVEL
#SET POINT DRIFT IN REACTOR LOW WATER LEVEL
#SET POINT DRIFT IN REACTOR LOW WATER LEVEL
#SET POINT DRIFT IN REACTOR LOW WATER LEVEL
#SET POINT DRIFT IN HPCI STEAMLINE HIGH D/P
#SET POINT DRIFT IN RCIC EXHAUST PRESSURE
#SET POINT DRIFT IN REACTOR LOW WATER LEVEL
#SET POINT DRIFT IN REACTOR LOW PRESSURE
#SET POINT DRIFT IN REACTOR LOW PRESSURE
#SET POINT DRIFT IN REACTOR LOW WATER LEVEL
#SET POINT DRIFT IN REACTOR WATER LEVEL
#SET POINT DRIFT IN ISOLATION CONDENSER FLOW
#SET POINT DRIFT IN ISOLATION CONDENSER CONDENSATE FLOW
#SET POINT DRIFT IN CONDENSER PRESSURE
#SET POINT DRIFT IN LPCI DRYWELL HIGH PRESSURE
#SET POINT DRIFT IN MAIN STEAM LINE PRESSURE
#SET POINT DRIFT IN STEAM LINE OVER TEMPERATURE
#SET POINT DRIFT IN RPS LEVEL
#SET POINT DRIFT IN RHR LOW PRESSURE PERMISSIVE
#SET POINT DRIFT IN CORE SPRAY DIFFERENTIAL PRESSURE
#SET POINT DRIFT IN CORE SPRAY PRESSURE
#SET POINT DRIFT IN CONTAINMENT SPRAY PRESSURE
#SET POINT DRIFT IN DRYWELL HIGH PRESSURE
#SET POINT DRIFT IN RCIC HIGH STEAM FLOW

SUPPORT PEDESTAL AT BROWNS FERRY 1*
SUPPORT PEDESTAL AT BROWNS FERRY 2*
SUPPORT REQUIRES MODIFICATION AT HATCH 1*
SUPPORT STRESSES EXCEED LIMITS AT PEACH BOTTOM 3*
SUPPORT WELDS FAIL AT MILLSTONE 1*
SUPPORTED AT HATCH 2*
SUPPORTED AT HATCH 2*
SUPPORTED PROPERLY AT QUAD-CITIES 1*
SUPPORTS ARE NOT ADEQUATE AT DRESDEN 2*
SUPPORTS DAMAGED AT MILLSTONE 1*
SUPPORTS DEGRADED AT BROWNS FERRY 1*
SUPPORTS DISCOVERED AT OYSTER CREEK*
SUPPORTS FAIL TO MEET STRESS LIMITS AT MONTICELLO*
SUPPORTS FOUND ON RHR SYSTEM AT HATCH 1*
SUPPORTS INADEQUATE AT BRUNSWICK 1*
SUPPORTS INADEQUATE AT BRUNSWICK 2*
SUPPORTS INSTALLED AT HATCH 1*
SUPPORTS MAY BE INADEQUATE AT VERMONT YANKEE*
SUPPORTS REQUIRE MODIFICATION AT BRUNSWICK 1*
SUPPORTS REQUIRE MODIFICATION AT DRESDEN 3*
#SUPPRESSION CHAMBER COOLING VALVE FAILS AT QUAD-CITIES 1*
#SUPPRESSION CHAMBER DIFFERENTIAL PRESSURE CUT OF LIMITS AT
#SUPPRESSION CHAMBER DUMP VALVE BREAKER TRIPS AT QUAD
#SUPPRESSION CHAMBER LOW LEVEL AT QUAD CITIES*
#SUPPRESSION CHAMBER OXYGEN CONCENTRATION EXCEEDS LIMIT AT
#SUPPRESSION CHAMBER SUCTION VALVE FAILS TO OPEN AT HATCH 2*
#SUPPRESSION CHAMBER TEMPERATURE RECORDER CLT OF
#SUPPRESSION CHAMBER VACUUM BREAKER FAILS AT OYSTER CREEK*
#SUPPRESSION POOL COOLER PUMP LOSES POWER AT HUMBOLDT BAY*
#SUPPRESSION POOL COOLING INBOARD THROTTLE VALVE FAILS AT
#SUPPRESSION POOL COOLING VALVE FAILS TO CLOSE AT QUAD
#SUPPRESSION POOL EXHAUST VALVE FAILS TO CLOSE AT BRUNSWICK
#SUPPRESSION POOL LEVEL EXCEEDS LIMIT AT BRUNSWICK 2*
#SUPPRESSION POOL LEVEL INDICATOR READS HIGH OFFSCALE AT
#SUPPRESSION POOL LEVEL OUT OF LIMITS THREE TIMES AT QUAD
#SUPPRESSION POOL SUCTION LINE FOUND CLOSED AT BRUNSWICK 1*
#SUPPRESSOR FAILS TO LOCK UP AT VERMONT YANKEE*
#SUPPRESSOR INOPERABLE AT COOPER*
SURVEILLANCE DOCUMENTATION NOT COMPLETED AT DUANE ARNOLD*
SURVEILLANCE NOT PERFORMED AT FITZPATRICK*
SURVEILLANCE NOT PERFORMED AT HATCH 1*
SURVEILLANCE NOT PERFORMED ON TIME AT DRESDEN 2*
SURVEILLANCE NOT PERFORMED ON TIME AT HATCH 1*
SURVEILLANCE NOT PERFORMED ON TIME AT OYSTER CREEK*
#SURVEILLANCE REQUIREMENTS NOT MET PRIOR TO MOVING FUEL AT
SW CHECK VALVE FAILS TO SEAT AT VERMONT YANKEE*
SW OUTLET VALVE BREAKER FOUND OPEN AT DRESDEN 3*
SW PUMP INOPERABLE AT HATCH 1*
SW PUMPS STRAINER BACKWASH LINE AT COOPER*
SW VALVE AT HATCH 2*
SWINGS AT HATCH 1*
SWITCH AND ROD BLOCK INOPERABLE AT VERMONT YANKEE*
SWITCH AT BROWNS FERRY 1*
SWITCH AT BROWNS FERRY 1*
SWITCH AT BROWNS FERRY 2*
SWITCH AT BROWNS FERRY 2*
SWITCH AT BROWNS FERRY 2*
SWITCH AT BROWNS FERRY 2*
SWITCH AT BROWNS FERRY 3*
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SWITCH AT DRESDEN 2*
SWITCH AT DRESDEN 2*
SWITCH AT DRESDEN 2*
SWITCH AT DRESDEN 2*
SWITCH AT DRESDEN 2*
SWITCH AT DRESDEN 3*
SWITCH AT DRESDEN 3*
SWITCH AT DUANE ARNOLD*
SWITCH AT DUANE ARNOLD*
SWITCH AT DUANE ARNOLD*
SWITCH AT DUANE ARNOLD*
SWITCH AT DUANE ARNOLD*
SWITCH AT FITZPATRICK*

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160372 P495
161470 P424
155385 P353
160511 P398
160904 P548
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156005 P421
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156339 P433
159614 P328
160110 P149
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159195 P143
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#SETPOINT DRIFT IN CONDENSATE STORAGE TANK LEVEL	SWITCH AT FITZPATRICK*	156197 P274
#SET POINT DRIFT IN HIGH DRYWELL PRESSURE	SWITCH AT FITZPATRICK*	160435 P291
#SET POINT DRIFT IN RCIC STEAM LINE LOW PRESSURE	SWITCH AT FITZPATRICK*	163404 P296
#SET POINT DRIFT IN HPCI DIFFERENTIAL PRESSURE	SWITCH AT HATCH 1*	154492 P161
#SET POINT DRIFT IN HPCI DIFFERENTIAL PRESSURE	SWITCH AT HATCH 1*	154492 P298
#SET POINT DRIFT IN RCIC FLOW	SWITCH AT HATCH 1*	156096 P306
#INCORRECT SET POINT FOUND IN REACTOR LEVEL	SWITCH AT HATCH 1*	161951 P341
#SET POINT DRIFT IN HPCI STEAMLINE LOW PRESSURE	SWITCH AT HATCH 1*	161614 P342
#SET POINT DRIFT IN TURBINE CONTROL VALVE PRESSURE	SWITCH AT HATCH 2*	156118 P359
#UPDATE ON DEFECTIVE MSIV TORQUE	SWITCH AT HATCH 2*	163462 P373
#SET POINT DRIFT IN HPCI STEAM LINE FLOW	SWITCH AT HATCH 2*	158771 P386
#SET POINT DRIFT IN REACTOR PRESSURE	SWITCH AT HATCH 2*	160450 P397
#SET POINT DRIFTS IN CORE SPRAY PUMP PRESSURE	SWITCH AT HATCH 2*	160455 P397
#SET POINT DRIFT IN HPCI TURBINE PRESSURE	SWITCH AT HATCH 2*	160519 P395
#SET POINT DRIFT IN HPCI STEAM LINE DP	SWITCH AT HATCH 2*	161872 P400
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#SET POINT DRIFT IN MAIN STEAM LINE HIGH FLOW	SWITCH AT MILLSTONE 1*	155195 P420
#SET POINT DRIFT IN CONTAINMENT HIGH PRESSURE	SWITCH AT MILLSTONE 1*	160459 P423
#SET POINT DRIFT IN LOW WATER LEVEL SCRAM	SWITCH AT MILLSTONE 1*	160923 P424
#SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE	SWITCH AT MONTICELLO*	155191 P428
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#SET POINT DRIFT IN CORE SPRAY PUMP DISCHARGE PRESSURE	SWITCH AT PEACH BOTTOM 3*	154017 P488
#SET POINT DRIFT IN RCIC TURBINE STEAM FLOW	SWITCH AT PEACH BOTTOM 3*	155347 P491
#SET POINT DRIFT IN SHUTDOWN COOLING PRESSURE	SWITCH AT PEACH BOTTOM 3*	159410 P493
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#SET POINT DRIFT IN REACTOR WATER CLEANUP TEMPERATURE	SWITCH AT PEACH BOTTOM 3*	160431 P498
#SET POINT DRIFT IN CONDENSER LOW VACUUM	SWITCH AT PILGRIM 1*	156158 P507
#SET POINT DRIFT IN REACTOR LOW WATER LEVEL	SWITCH AT QUAD CITIES 1*	156912 P543
#SET POINT DRIFT IN HPCI TURBINE AREA HIGH TEMPERATURE	SWITCH AT QUAD CITIES 1*	160451 P547
#SET POINT DRIFT IN MAIN STEAM LINE LOW PRESSURE	SWITCH AT QUAD CITIES 2*	159342 P557
#SETPOINT DRIFT IN TORUS VACUUM BREAKER PRESSURE	SWITCH AT QUAD CITIES 2*	159344 P557
#SET POINT DRIFT IN ELECTROHYDRAULIC CONTROL FLUID PRESSURE	SWITCH AT QUAD-CITIES 1*	156962 P542
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#SET POINT DRIFT IN RCIC DIFFERENTIAL PRESSURE	SWITCH AT VERMONT YANKEE*	153480 P565
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#RPS INPUT	SWITCH CALIBRATED INCORRECTLY AT PEACH BOTTOM 3*	160294 P413
#CORE SPRAY PUMP DISCHARGE	SWITCH EXCEEDS SETPOINT AT BROWNS FERRY 1*	158269 P 63
#PRESSURE INDICATOR	SWITCH FAILS AT BIG ROCK POINT*	160291 P 38
#CONTROL ROD DRIVE ACCUMULATOR LEVEL	SWITCH FAILS AT BROWNS FERRY 1*	155296 P 49
#SCRAM DISCHARGE VOLUME HIGH LEVEL	SWITCH FAILS AT BROWNS FERRY 1*	158293 P 65
#REACTOR WATER LEVEL	SWITCH FAILS AT BRUNSWICK 1*	158545 P144
#REACTOR WATER LEVEL INDICATION	SWITCH FAILS AT BRUNSWICK 2*	160045 P186
#CONDENSATE STORAGE TANK LOW LEVEL	SWITCH FAILS AT DUANE ARNOLD*	160829 P 19
#RCIC STEAM SUPPLY VALVE LIMIT	SWITCH FAILS AT DUANE ARNOLD*	160856 P 19
#HPCI LEAK DETECTION TEMPERATURE DIFFERENTIAL	SWITCH FAILS AT DUANE ARNOLD*	160851 P 21
#RCIC HIGH AMBIENT TEMPERATURE	SWITCH FAILS AT FITZPATRICK*	158636 P281
#CONTAINMENT PURGE VACUUM BREAKER PRESSURE	SWITCH FAILS AT HATCH 2*	158726 P369
#REACTOR WATER LEVEL	SWITCH FAILS AT HATCH 2*	158674 P382
#REACTOR WATER LEVEL	SWITCH FAILS AT HATCH 2*	158675 P382
#SCRAM DISCHARGE VOLUME HIGH LEVEL ROD WITHDRAWAL BLOCK	SWITCH FAILS AT HATCH 2*	159159 P390
#GENERATOR LOAD REJECTION SENSOR PRESSURE	SWITCH FAILS OPEN AT OYSTER CREEK*	157162 P456
#TORUS WATER LEVEL	SWITCH FAILS TO ACTUATE AT BRUNSWICK 2*	155572 P167
#MSIV LIMIT	SWITCH FAILS TO DEENERGIZE SCRAM CHANNEL RELAY AT BROWNS	159162 P 89
#CRD SCRAM ACCUMULATOR LEVEL	SWITCH FAILS TO OPERATE AT BROWNS FERRY 1*	155208 P 52
#REACTOR WATER LEVEL	SWITCH FAILS TO OPERATE AT BROWNS FERRY 2*	154438 P 80
#CORE SPRAY DISCHARGE	SWITCH FAILS TO OPERATE AT BROWNS FERRY 2*	160285 P 90
#LEVEL INDICATING	SWITCH FAILS TO OPERATE AT BROWNS FERRY 3*	167715 P107
#REACTOR LOW-LOW WATER LEVEL	SWITCH FAILS TO OPERATE PROPERLY AT FITZPATRICK*	155293 P265
#HPCI LOOP SELECTION PRESSURE	SWITCH FAILS TO OPERATE PROPERLY AT QUAD CITIES 1*	155369 P540
#MAIN STEAM ISOLATION VALVE LIMIT	SWITCH FAILS TO RESET AT DUANE ARNOLD*	159057 P 14
#REACTOR LOW WATER LEVEL	SWITCH FAILS TO RESET AT FITZPATRICK*	163403 P296
#MAIN STEAM LINE HIGH FLOW	SWITCH FAILS TO TRIP AT BRUNSWICK 1*	154880 P131
#RTGB CONTROL	SWITCH FAILS TO TRIP ON SETPOINT AT DRESDEN 3*	158821 P233
#NON-QUALIFIED MSIC LIMIT	SWITCH FOR HPCI TORUS SUCTION VALVE FAILS AT BRUNSWICK 1*	155397 P132
#SET POINT DRIFT OF HIGH DRYWELL PRESSURE	SWITCH FOUND AT HATCH 2*	156941 P371
#ISOLATION VALVE FOR DRYWELL PRESSURE	SWITCH FOUND AT QUAD CITIES 1*	156964 P543
#PRESSURE	SWITCH FOUND CLOSED AT BRUNSWICK 2*	153736 P164
#SCRAM DISCHARGE VOLUME LEVEL	SWITCH IN MAIN STEAM SYSTEM TRIPS AT DRESDEN 3*	157058 P231
#HPCI STEAM LINE DELTA P FLOW	SWITCH INOPERABLE AT BROWNS FERRY 2*	161864 P 99
#INCORRECT HPCI STEAM LINE SPARE TEMPERATURE	SWITCH INOPERABLE AT HATCH 3*	159306 P391
#REACTOR LOW PRESSURE	SWITCH INSTALLED AT BROWNS FERRY 1*	157030 P 58
#DRYWELL PRESSURE	SWITCH IS OUT OF CALIBRATION AT BRUNSWICK 2*	159690 P181
#LEVEL INDICATING	SWITCH IS OUT OF TOLERANCE AT BRUNSWICK 2*	159621 P181
#REFUEL INTERLOCK	SWITCH ISOLATED INADVERTENTLY AT VERMONT YANKEE*	161627 P580
#CONTROL VALVE FAST CLOSURE PRESSURE	SWITCH JAMS AT BROWNS FERRY 2*	161863 P100
#SAFETY RELIEF VALVE TAILPIPE CLOSURE	SWITCH MISWIRED AT BROWNS FERRY 1*	158295 P 65
#MAIN TURBINE CONTROL VALVE CLOSURE	SWITCH NOT TESTED AT HATCH 1*	161059 P339
#MAIN STEAM LINE LEAK DETECTION TEMPERATURE	SWITCH RESPONSE TIME IS SLOW AT BRUNSWICK 2*	156930 P176
#DRIFT IN REACTOR WATER LEVEL	SWITCH SET HIGH AT DUANE ARNOLD*	160325 P 12
#REACTOR HIGH PRESSURE	SWITCH SET POINT AT FITZPATRICK*	161717 P294
#TURBINE FIRST STAGE PRESSURE	SWITCH SET POINT INCORRECT AT HATCH 2*	159305 P394
	SWITCH SET POINTS HIGH AT BROWNS FERRY 3*	159245 P114

#REACTOR HIGH PRESSURE	SWITCH SETPOINT DRIFTS AT HATCH 2*	159588 P328
#PRESSURE	SWITCH SETPOINT EXCEEDS LIMIT AT VERMONT YANKEE*	159525 P575
#REACTOR LOW WATER LEVEL	SWITCH SETPOINT INCORRECT AT BROWNS FERRY 2*	159685 P 90
#TURBINE COMPARTMENT TEMPERATURE	SWITCH SETPOINT IS HIGH AT PILGRIM 1*	159242 P511
#REACTOR LOW WATER LEVEL	SWITCH SETPOINT IS INCORRECT AT BRUNSWICK 2*	159356 P184
#HPCI AND RCIC STEAM PRESSURE	SWITCH SETPOINTS INCORRECT AT FITZPATRICK*	159576 P288
#REACTOR HIGH PRESSURE	SWITCH SETPOINTS TOO HIGH AT HATCH 1*	159501 P323
#HPCI STEAM LINE DELTA P	SWITCH SHORTS AT HATCH 2*	156883 P376
#REACTOR LOW WATER LEVEL	SWITCH STICKS CLOSED AT BRUNSWICK 2*	158732 P180
#HIGH DRYWELL PRESSURE	SWITCH SURVEILLANCE NOT PERFORMED ON TIME AT HATCH 1*	159064 P330
#REACTOR WATER LEVEL	SWITCH TRIPS BELOW SETPOINT AT CRESDEN 3*	158749 P232
#REACTOR WATER LEVEL	SWITCH TRIPS BELOW SETPOINT AT CRESDEN 3*	158750 P233
#PRESSURE	SWITCH VALVED OUT AT DRESDEN 2*	159527 P216
#SET POINT DRIFT IN TURBINE FIRST STAGE PRESSURE PERMISSIVE	SWITCHES AT BROWNS FERRY 1*	159418 P 68
#SET POINT DRIFT OCCURS ON TURBINE PRESSURE PERMISSIVE	SWITCHES AT BROWNS FERRY 2*	157743 P 88
#SET POINT DRIFT IN REACTOR HIGH PRESSURE	SWITCHES AT BROWNS FERRY 2*	159336 P 90
#SET POINT DRIFT IN REACTOR PRESSURE	SWITCHES AT BROWNS FERRY 3*	153456 P102
#DRIFT IN REACTOR LOW WATER LEVEL	SWITCHES AT BRUNSWICK 1*	163468 P157
#SET POINT DRIFT IN REACTOR LOW PRESSURE	SWITCHES AT BRUNSWICK 2*	158755 P171
#SET POINT DRIFT IN REACTOR LOW WATER LEVEL	SWITCHES AT BRUNSWICK 2*	161069 P182
#SET POINT DRIFT IN LOW REACTOR LEVEL	SWITCHES AT COOPER*	161622 P256
#SET POINT DRIFT IN CONTAINMENT SPRAY PRESSURE	SWITCHES AT DUANE ARNOLD*	155512 P 5
#SET POINT DRIFT IN SHUTDOWN COOLING PERMISSIVE	SWITCHES AT FITZPATRICK*	158634 P281
#SETPOINT DRIFT IN CORE SPRAY PIPE BREAK DETECTION	SWITCHES AT FITZPATRICK*	159313 P288
#SET POINT DRIFT IN REACTOR WATER LEVEL	SWITCHES AT FITZPATRICK*	163361 P275
#SET POINT DRIFT IN RCIC TURBINE EXHAUST PRESSURE	SWITCHES AT HATCH 1*	155326 P307
#SET POINT DRIFT IN HIGH DRYWELL PRESSURE	SWITCHES AT HATCH 2*	154940 P351
#SET POINT DRIFT IN HPCI EXHAUST PRESSURE	SWITCHES AT HATCH 2*	156130 P356
#SET POINT DRIFT IN MAIN STEAM LINE TEMPERATURE	SWITCHES AT HATCH 2*	157129 P361
#SET POINT DRIFT IN SHUTDOWN COOLING SYSTEM PRESSURE	SWITCHES AT HATCH 2*	158662 P379
#SET POINT DRIFT IN HIGH DRYWELL PRESSURE	SWITCHES AT HATCH 2*	158774 P387
#SET POINT DRIFT IN REACTOR HIGH PRESSURE	SWITCHES AT HATCH 2*	160370 P396
#SET POINT DRIFT IN MAIN STEAM LINE AREA TEMPERATURE	SWITCHES AT MONTICELLO*	156044 P430
#SET POINT DRIFT IN TURBINE REACTOR SCRAM	SWITCHES AT NINE MILE POINT 1*	160313 P444
#SET POINT DRIFT IN REACTOR LO-LO-WATER LEVEL	SWITCHES AT OYSTER CREEK 1*	161873 P468
#SET POINT DRIFT IN HIGH DRYWELL PRESSURE	SWITCHES AT OYSTER CREEK*	160326 P462
#SET POINT DRIFT IN DRYWELL HIGH PRESSURE	SWITCHES AT OYSTER CREEK*	160817 P465
#SET POINT DRIFT IN HIGH DRYWELL PRESSURE	SWITCHES AT OYSTER CREEK*	161644 P466
#SET POINT DRIFT IN CONTAINMENT SPRAY PRESSURE	SWITCHES AT OYSTER CREEK*	161763 P467
#SET POINT DRIFT IN CORE SPRAY PRESSURE	SWITCHES AT OYSTER CREEK*	162044 P469
#SET POINT DRIFT IN CONTAINMENT SPRAY	SWITCHES AT OYSTER CREEK*	162041 P470
#SET POINT DRIFT IN RCIC TURBINE STEAM LINE HIGH FLOW	SWITCHES AT PEACH BOTTOM 2*	161779 P484
#REACTOR WATER LEVEL	SWITCHES EXCEED SET POINT LIMIT AT PILGRIM 1*	160345 P521
#REACTOR WATER LEVEL	SWITCHES FAIL AT BROWNS FERRY 3*	158537 P107
#SCRAM DISCHARGE VOLUME HIGH LEVEL	SWITCHES FAIL AT HATCH 2*	159584 P391
#MAIN STEAM ISOLATION	SWITCHES FAIL TO OPERATE AT BROWNS FERRY 3*	158235 P106
#LIQUID LEVEL	SWITCHES FAIL TO OPERATE PROPERLY AT BROWNS FERRY 2*	155204 P 81
#INITIATION	SWITCHES FOR ISOLATION CONDENSER INCORRECTLY SET AT OYSTER	160256 P458
#SETPOINT DRIFT IN PRESSURE	SWITCHES FOR REACTOR PROTECTION SYSTEM AT MILLSTONE 1*	158276 P422
#TURBINE PRESSURE PERMISSIVE AND PRESSURE	SWITCHES HAVE SETPOINT DRIFT AT BROWNS FERRY 3*	159108 P110
#17 SCRAM ACCUMULATOR LEVEL	SWITCHES INOPERABLE AT BROWNS FERRY 2*	160907 P 95
#TWO CONTROL ROD SELECT	SWITCHES INOPERABLE AT BRUNSWICK 2*	161651 P197
#LIMIT	SWITCHES ON RHR PUMP VALVES ARE BROKEN AT HATCH 2*	157702 P380
#SETPOINT OF NSIV SCRAM LIMIT	SWITCHES OUT OF LIMITS AT DRESDEN 3*	155599 P227
#CONTROL ROD DRIVE ACCUMULATOR PRESSURE	SWITCHES SET INCORRECTLY AT HATCH 2*	157131 P361
#RPS, HPCI, RCIS, AND CS PRESSURE	SWITCHES SETPOINTS DRIFT AT HATCH 2*	159591 P386
#CONTAINMENT PRESSURE	SWITCHES TRIP OUT OF SPECS AT DUANE ARNOLD*	160268 P 11
#REACTOR LEVEL	SWITCHES TRIP TOO LATE AT HATCH 2*	160518 P398
#POWER LOST TO EMERGENCY	SWITCHGEAR BREAKERS TRIP AT BROWNS FERRY 3*	161682 P117
#DIESEL GENERATOR FAILS TO	SWITCHGEAR BUS AT HATCH 2*	159067 P388
SETPOINT DRIFTS IN SENSOR CHANNEL OF REACTOR DEPRESSURIZING	SWITCHYARD 125 VOLT DC BATTERY CHARGER FAILS AT PILGRIM 1*	153466 P500
SETPOINT DRIFTS IN SENSOR CHANNEL OF REACTOR DEPRESSURIZING	SYNCHRONIZE WHILE REDUNDANT DIESEL DOWN AT OYSTER CREEK*	155999 P455
DRIFTS IN SENSORS CHANNEL OF REACTOR DEPRESSURIZING	SYSTEM AT BIG ROCK POINT*	158266 P 36
#SOME TORUS WATER DRAINED THROUGH CORE SPRAY	SYSTEM AT BIG ROCK POINT*	158267 P 36
#ERROR FOUND IN EMERGENCY POWER CONTROL	SYSTEM AT BIG ROCK POINT*	158268 P 37
#INADEQUATE PIPE SUPPORTS FOUND ON RHR	SYSTEM AT BRUNSWICK 1*	155314 P133
#CARBON LCST FROM FILTERS IN REFUELING FLOOR VENTILATION	SYSTEM AT HATCH 1*	154884 P306
#SETPOINT DRIFT IN PRESSURE SWITCHES FOR REACTOR PROTECTION	SYSTEM AT HATCH 1*	159614 P328
#LOSS OF FLOW TO STACK GAS SAMPLING	SYSTEM AT HATCH 2*	156986 P365
#ELECTRIC POWER LOST TO SBLC	SYSTEM AT MILLSTONE 1*	158276 P422
#SEISMIC DESIGN DEFICIENCY IN SERVICE WATER	SYSTEM AT NINE MILE POINT 1*	160003 P441
#FEEDWATER LEAK BYPASSES DETECTION	SYSTEM AT PEACH BOTTOM 2*	160480 P482
#REACTOR DEPRESSURIZING	SYSTEM AT PILGRIM 1*	160551 P531
#NSIV LEAKAGE CONTROL	SYSTEM AT VERMONT YANKEE*	159480 P572
#REACTOR DEPRESSURIZING	SYSTEM BATTERY CELL FAILS AT BIG ROCK POINT*	154904 P 32
#REACTOR DEPRESSURIZING	SYSTEM BLEED VALVE LOOSES POWER AT HATCH 2*	157159 P373
#REACTOR DEPRESSURIZING	SYSTEM CHANNEL BATTERY FAILS AT BIG ROCK POINT*	159088 P 37
#EMERGENCY VENT	SYSTEM CHANNEL REMOVED FROM SERVICE AT BIG ROCK POINT*	164906 P 32
#RCIC	SYSTEM CHANNEL REMOVED FROM SERVICE AT BIG ROCK POINT*	158574 P 35
#RESIDUAL HEAT REMOVAL	SYSTEM CHARCOAL NOT ANALYZED WHEN REQUIRED AT NINE MILE	154446 P439
#CONTROL AIR TUBING TO AUX	SYSTEM CONDENSATE PUMP FAILS TO PUMP PROPERLY AT ARNOLD*	155310 P 4
#CAD	SYSTEM CONTROL VALVE TRIPS IN MID-POSITION AT BROWNS FERRY	154707 P103
#AUTOMATIC PRESSURE RELIEF	SYSTEM COOLING VALVE BROKEN AT BIG ROCK POINT*	154459 P 32
#INDICATING VALVES ON THE FIRE PROTECTION	SYSTEM DISCHARGE TO RADWASTE VALVE FAILS TO OPEN AT	158300 P276
	SYSTEM DOES NOT MEET SINGLE FAILURE CRITERION AT BRUNSWICK	161702 P194
	SYSTEM DRYWELL PRESSURE SENSOR ISOLATED AT MILLSTONE 1*	156157 P421
	SYSTEM FAILED AT OYSTER CREEK*	160263 P459

DESCRIPTION	STATUS	LOCATION	DATE	TIME	INITIALS	REMARKS
#RB VENTILATION RADIATION MONITORING	SYSTEM FAILS AT BRUNSWICK 1*					159166 P14*
#STANDBY GAS TREATMENT	SYSTEM FAILS AT FITZPATRICK*					159581 P287
#ROD SEQUENCE CONTRL	SYSTEM FAILS AT HATCH 2*					155543 P351
#DIESEL GENERATOR FIRE PROTECTION	SYSTEM FAILS AT PILGRIM 1*					157021 P508
#REACTOR COOLANT LEAK DETECTION AIR SAMPLING	SYSTEM FAILS AT PILGRIM 1*					160252 P526
#ROD SEQUENCE CONTROL	SYSTEM FAILS TO COME INTO SERVICE WHEN REQUIRED AT					155525 P271
#RHR	SYSTEM FAILS TO MEET SAFE SHUTDOWN EARTHQUAKE CRITERIA AT					160490 P527
#HYDROGEN RECOMBINER	SYSTEM FAILS TO OPERATE AT HATCH 2*					157161 P377
#POWER SUPPLY FOR RCIC STEAM LEAK DETECTION	SYSTEM FAILS TWICE AT HATCH 2*					154621 P347
#RECIRC	SYSTEM FLOW CONTROL VALVE FAILS TO OPERATE AT BROWNS FERRY					154437 P 80
#STANDBY GAS TREATMENT	SYSTEM FLOWRATE FALLS BELOW LIMIT AT OYSTER CREEK*					155456 P452
#RECORD OF 1979 FIRE PROTECTION	SYSTEM FLOW LOST AT DRESDEN 2*					160461 P219
#REACTOR PROTECTION	SYSTEM FUNCTION FAILS AT PILGRIM 1*					159383 P517
#REACTOR CORE ISOLATION COOLANT LEAK DETECTION	SYSTEM INOPERATIVE AT HATCH 2*					156940 P376
#REACTOR DEPRESSURIZATION	SYSTEM INOPERABLE AT BIG ROCK POINT*					159288 P 38
#HPCI	SYSTEM INOPERABLE AT COOPER*					160052 P25*
#CONTROL ROOM AIR TREATMENT	SYSTEM INOPERABLE AT DUANE ARNOLD*					159558 P 16
#PLANT STACK GAS MONITORING	SYSTEM INOPERABLE AT FITZPATRICK*					155523 P271
#CARBON DIOXIDE FIRE PROTECTION	SYSTEM INOPERABLE AT FITZPATRICK*					161799 P293
#RCIC FIRE DETECTION	SYSTEM INOPERABLE AT FITZPATRICK*					161992 P295
#HPCI	SYSTEM INOPERABLE AT HATCH 1*					160493 P340
#REACTOR BUILDING HVAC ROOM SPRINKLER	SYSTEM INOPERABLE AT HATCH 1*					162058 P345
#STANDBY LIQUID CONTROL	SYSTEM INOPERABLE AT HATCH 2*					159670 P388
#INBOARD MSIV LEAKAGE CONTROL	SYSTEM INOPERABLE AT HATCH 2*					159373 P395
#OFF GAS MONITORING	SYSTEM INOPERABLE AT NINE MILE POINT 1*					159513 P444
#CORE SPRAY	SYSTEM INOPERABLE AT OYSTER CREEK 1*					160902 P465
#STANDBY GAS TREATMENT	SYSTEM INOPERABLE AT PILGRIM 1*					159522 P517
#SBGT	SYSTEM INOPERABLE AT PILGRIM 1*					160050 P528
#RCS LEAK DETECTION AIR SAMPLING	SYSTEM INOPERABLE AT PILGRIM 1*					160909 P530
#RCIC	SYSTEM INOPERABLE FOR TURBINE BEARING INSPECTION AT					154657 P260
#UNQUALIFIED CAM	SYSTEM INSTALLED AT BROWNS FERRY 1*					156945 P 61
#REACTOR WATER CLEANUP	SYSTEM INSTRUMENT LINE LEAKS AT DRESDEN 2*					159439 P217
#POWER FROM UNINTERRUPTABLE POWER	SYSTEM INTERRUPTED AT VERMONT YANKEE*					157081 P571
#RIVER WATER TRAVELING SCREEN FAILS WHILE REDUNDANT	SYSTEM IS FAILED AT DUANE ARNOLD*					159051 P 14
#VENTILATION	SYSTEM ISOLATION CHANNEL RELAYS FAILS AT BROWNS FERRY 1*					154919 P 49
#REACTOR BUILDING VENTILATION	SYSTEM ISOLATION VALVE FAILS CLOSED AT GUAC CITIES 2*					155490 P552
#REACTOR WATER CLEANUP	SYSTEM ISOLATION VALVE FAILS TO CLOSE IN TIME AT DUANE					160855 P 20
#CRACK IN REACTOR CLEANUP	SYSTEM LINE AT BIG ROCK POINT*					161913 P 45
#REACTOR PROTECTION	SYSTEM MOTOR GENERATOR OUTPUT BREAKER TRIPS AT HATCH 1*					157073 P314
#HPCI	SYSTEM NOT OPERABLE WHEN REQUIRED AT HATCH 1*					156091 P305
#REACTOR BUILDING VENT SAMPLE	SYSTEM NOT RETURNED TO SERVICE AT DUANE ARNOLD*					155516 P 26
#SBGT	SYSTEM NOT TESTED AS REQUIRED AT HATCH 1*					154663 P302
#RECIRCULATION PUMP TRIP	SYSTEM NOT TESTED AT DUANE ARNOLD*					160202 P 15
#CABLE VAULT SMOKE DETECTION	SYSTEM NOT TESTED AT MILLSTONE 1*					157402 P421
#STANDBY GAS TREATMENT	SYSTEM OPERATED IN DEGRADED MODE AT CYSTER CREEK*					160354 P463
#REACTOR WATER CLEANUP	SYSTEM PIPE CRACKS AT BRUNSWICK 2*					157059 P174
#UPDATE REPORT ON REACTOR CLEAN-UP	SYSTEM PIPING INDICATIONS AT BIG ROCK POINT*					153974 P 29
#SET POINT DRIFT IN SHUTDOWN COOLING	SYSTEM PRESSURE SWITCHES AT HATCH 2*					158662 P375
#DEMINERALIZER	SYSTEM PUMP LEAKS AT BIG ROCK POINT*					163500 P 42
#CORE SPRAY	SYSTEM PUMPS INOPERABLE AT CYSTER CREEK*					162045 P469
#MSIV LEAKAGE CONTROL	SYSTEM RELAY FAILS TO OPEN AT HATCH 2*					156863 P378
#REACTOR PROTECTION	SYSTEM RELAYS NOT TESTED IN TIME AT HATCH 2*					159092 P387
#AUTOMATIC DEPRESSURIZATION	SYSTEM RELIEF VALVE FAILS AT PILGRIM 1*					158834 P514
#FIRE PROTECTION	SYSTEM REMOVED FROM SERVICE AT CYSTER CREEK*					155996 P454
#LEAK IN CONTROL ROD DRIVE	SYSTEM RETURN LINE AT BIG ROCK POINT*					161911 P 45
#NO WATER FLOWS THROUGH CORE SPRAY						

#LOW LEVEL FOUND IN CONTAINMENT ATMOSPHERE DILUTION	TANK AT BRUNSWICK 1*	156928	P139
#CONDENSATE STORAGE	TANK BASE SLAB SEAL MISSING AT HATCH 1*	157091	P312
#NITROGEN STORAGE	TANK CONTENTS FALL BELOW LIMIT AT HATCH 1*	162741	P344
#NEUTRALIZER	TANK DISCHARGE VALVE FAILS OPEN AT FITZPATRICK*	154669	P265
#LAUNDRY DRAIN	TANK DISCHARGED WITHOUT A PERMIT AT FITZPATRICK*	157428	P281
#DIESEL GENERATOR DAY	TANK DRAINS AT NINE MILE POINT 1*	159424	P445
#RADIOACTIVITY IN WASTE SAMPLE	TANK EXCEEDS LIMIT AT DRESDEN 2*	153495	P206
#CAO	TANK FLOW CONTROL VALVES FAIL TO OPERATE AT BRUNSWICK 2*	161655	P195
#ANION RESIN	TANK LEAKS AT BIG ROCK POINT*	161469	P 42
#FIRE WATER STORAGE	TANK LEVEL DROPS BELOW LIMIT AT HATCH 1*	157090	P313
#CAO STORAGE	TANK LEVEL DROPS BELOW LIMIT DURING INERTING AT BRUNSWICK 2	156110	P175
#NITROGEN	TANK LEVEL FALLS BELOW LIMIT AT HATCH 1*	161950	P341
#SET POINT DRIFT IN CONDENSATE STORAGE	TANK LEVEL SWITCH AT BRUNSWICK 1*	155565	P127
#SETPOINT DRIFT IN CONDENSATE STORAGE	TANK LEVEL SWITCH AT FITZPATRICK*	156197	P274
#NITROGEN STORAGE	TANK LEVEL TOO LOW AT HATCH 1*	159503	P324
#CONDENSATE STORAGE	TANK LOW LEVEL SWITCH FAILS AT DUANE ARNOLD*	160829	P 19
#HOLDUP	TANK NOT SAMPLED AT DRESDEN 1*	159515	P206
#CARDIOX	TANK PRESSURE FALLS BELOW LIMIT WITHOUT ANNUNCIATION AT	158593	P442
#DIESEL GENERATOR DAY	TANK ROOM FIRE SPRINKLERS OUT OF SERVICE TOO LONG AT DUANE	158665	P 28
#DIESEL FIRE PUMP DAY	TANK SAMPLES NOT TAKEN AT DRESDEN 2*	160361	P218
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POINT 1*	TEMPERATURE ACROSS CONDENSER EXCEEDS LIMIT AT NINE MILE	154447	P439
	TEMPERATURE AT BIG ROCK POINT*	153975	P 31
	TEMPERATURE AT PILGRIM 1*	160042	P514
	TEMPERATURE AT QUAD CITIES 1*	161063	P548
	TEMPERATURE BELOW 60 F AT OYSTER CREEK*	159070	P471
	TEMPERATURE DIFFERENTIAL SWITCH FAILS AT DUANE ARNOLD*	160851	P 21
	TEMPERATURE EXCEED LIMIT AT DRESDEN 3*	163344	P240
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	TEMPERATURE EXCEEDS LIMIT AT NINE MILE POINT 1*	158696	P442
	TEMPERATURE EXCEEDS LIMIT AT OYSTER CREEK*	159137	P471
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	TEMPERATURE LIMIT EXCEEDED AT CCGPER*	159493	P249
	TEMPERATURE LIMIT EXCEEDED AT CCGPER*	159469	P249
	TEMPERATURE LIMIT EXCEEDED AT CCGPER*	159485	P251
	TEMPERATURE LIMIT EXCEEDED AT CCGPER*	159460	P251
	TEMPERATURE LIMIT EXCEEDED AT CCGPER*	159491	P251
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#ROD BLOCK MONITOR NOT	TESTED ON TIME AT NINE MILE POINT*	161679 P426
#ELECTRICAL POWER SOURCES NOT	TESTED WHEN REQUIRED AT HATCH 1*	163384 P447
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#APRM FLOW SIGNAL IS HIGHER	TESTS NOT PERFORMED ON TIME AT HATCH 2*	154738 P354
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#DRIFTING LPRM CAUSES INDICATED HIGH	THAT REQUIRED BY NEW DEMAND AT DRESDEN 1*	155476 P205
#RCIC VALVE	THEIR LOADS AT HATCH 2*	156117 P359
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#RHR AREA COOLER FAN	THERMAL OVERLOAD ALARMS AT PILGRIM 1*	160232 P523
#CORE SPRAY PUMP AREA COOLER FAN	THERMAL OVERLOAD RELAY FAILS AT BROWN'S FERRY 3*	159389 P115
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* FERRY 1.*	THREE CONTAINMENT ISOLATION VALVES UNACCEPTABLE AT HATCH 2*	155432 P356
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#LINEAR HEAT GENERATION RATE LIMIT EXCEEDED IN	THREE INACCESSIBLE SNUBBERS FOUND INOPERABLE AT BRUNSWICK 1*	154513 P122
#ONE OF	THREE INTERMEDIATE RANGE MONITORS INOPERABLE AT BROWNS	161833 P 98
#SET POINT DRIFT IN	THREE MAIN STEAM ISOLATION VALVES EXCEED LIMIT AT BROWNS	154617 P 48
* SUPPRESSION POOL LEVEL OUT OF LIMITS	THREE NODES AT BROWNS FERRY 1*	159192 P 66
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#RCIC TRIP AND	THREE SNUBBERS FOUND INOPERABLE AT BRUNSWICK 2*	155404 P175
#HPCI STEAM	THREE TIMES AT QUAD CITIES 1*	153947 P537
#HPCI STEAM	THREE UNAUTHORIZED TRANSFERS OF SPECIAL NUCLEAR MATERIAL	161949 P343
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#FLOW	THROTTLE VALVE FAILS AT COOPER*	159247 P253
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* TWO	THROTTLE VALVE FAILS TO TRIP AT BRUNSWICK 2*	154678 P166
#DIESEL GENERATOR LOWER CRANKSHAFT	THROTTLE VALVE OSCILLATES AT PILGRIM 1*	160344 P524
#4160V BUS	THROTTLE VALVE OSCILLATES AT PILGRIM 1*	160240 P524
#BUS	THROUGH CORE SPRAY SYSTEM RECOM COOLER AT BROWN'S FERRY 1*	155314 P133
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#DIESEL GENERATOR FAILS TO	THROUGH-WALL CRACK FOUND ON REC FLMP DISCHARGE PIPE WELD	154053 P241
#DIESEL GENERATOR FAILS TO	THROUGH-WALL CRACKS FOUND IN REC CRITICAL LOOP WELDS AT	155340 P243
	THRUST BEARING WIPED AT ARNOLD*	158403 P 7
	TIE BOARD DEENERGIZED AND RESTORED TO NORMAL FEEDER AT	158391 P104
	TIE BOARD DEENERGIZED DUE TO FEEDER CABLE FAILURE AT	154683 P103
	TIE INTO BUS AT HATCH 2*	159312 P392
	TIE TO BUS AT HATCH 2*	158298 P366

#DIESEL FIRE/CORE SPRAY PUMP FAILS TO START IN	TIME AT BIG ROCK POINT*	163389 P 44
#REACTOR BUILDING RADIATION MONITOR TEST NOT PERFORMED ON	TIME AT BROWN'S FERRY 1*	154918 P 50
#TURBINE BUILDING VENTILATION SAMPLES NOT TAKEN ON	TIME AT BROWNS FERRY 1*	159404 P 70
#FIRE PROTECTION ZONE NOT TESTED ON	TIME AT BROWNS FERRY 3*	158596 P109
#FIRE DOOR CLOSERS NOT REPAIRED IN	TIME AT BRUNSWICK 1 AND 2*	162412 P160
#DIESEL GENERATOR FAILS TO START IN	TIME AT BRUNSWICK 1*	161075 P156
#STANDBY GAS TREATMENT OPERABILITY TEST NOT PERFORMED ON	TIME AT BRUNSWICK 2*	158602 P178
#FIRE DOORS NOT RETURNED TO SERVICE IN	TIME AT COOPER*	162429 P205
#CONTAINMENT NOT INERTED IN	TIME AT COOPER*	163552 P259
#MAIN STEAM ISOLATION VALVE FAILS TO CLOSE IN	TIME AT DRESDEN 2*	163531 P260
#MAIN STEAM LINE LOW PRESSURE TEST NOT COMPLETED ON	TIME AT DRESDEN 2*	154618 P208
#HEAT DETECTOR SURVEILLANCE NOT PERFORMED ON	TIME AT DUANE ARNOLD*	160823 P219
WATER CLEANUP SYSTEM ISOLATION VALVE FAILS TO CLOSE IN	TIME AT HATCH 1*	#REACTOR 157089 P314
#POST LCCA MONITOR CALIBRATION NOT PERFORMED ON	TIME AT HATCH 1*	159064 P330
#HIGH DRYWELL PRESSURE SWITCH SURVEILLANCE NOT PERFORMED ON	TIME AT HATCH 2*	154574 P348
#DIESEL GENERATOR FAILS TO START IN REQUIRED	TIME AT HATCH 2*	154738 P354
#FIRE PROTECTION SYSTEM VALVE TESTS NOT PERFORMED ON	TIME AT HATCH 2*	157119 P360
#ACCELEROMETER RECORDERS NOT CALIBRATED ON	TIME AT HATCH 2*	156988 P364
#DIESEL GENERATOR AND CORE SPRAY TESTS NOT PERFORMED ON	TIME AT HATCH 2*	158618 P372
#CONTAINMENT AIR LOCK DOORS INTERLOCK TEST NOT PERFORMED ON	TIME AT HATCH 2*	159092 P387
#REACTOR PROTECTION SYSTEM RELAYS NOT TESTED IN	TIME AT HATCH 2*	160845 P400
#DRYWELL-TORUS VACUUM BREAKERS NOT TESTED ON	TIME AT LACROSSE*	161891 P416
#SHUTDOWN CONDENSER CONTROL VALVES NOT TESTED ON	TIME AT LACROSSE*	161890 P418
#FIRE WATCH NOT ESTABLISHED IN	TIME AT MILLSTONE 1*	161679 P426
#OFF-GAS HYDROGEN ANALYZERS NOT TESTED ON	TIME AT NINE MILE POINT*	163384 P447
#CONTROL ROD DRIVE SCRAM PILOT SOLENOIDS NOT TESTED ON	TIME AT OYSTER CREEK*	#CONTROL 158270 P458
ROD FREE TRAVEL INTERLOCK SURVEILLANCE NOT PERFORMED ON	TIME AT PILGRIM 1*	158840 P515
#NITROGEN PURGE ISOLATION VALVE FAILS TO CLOSE IN	TIME AT QUAD-CITIES 2*	161900 P562
#PRIMARY VENT VALVE FAILS TO CLOSE IN	TIME AT VERMONT YANKEE*	#MAIN 156882 P571
STEAM LINE RADIATION MONITOR CALIBRATION NOT PERFORMED ON	TIME AT VERMONT YANKEE*	155190 P567
#INTEGRATED GAMMA EXPOSURE TEST NOT PERFORMED ON	TIME DELAY AT DUANE ARNOLD*	159645 P 10
#EMERGENCY BUS RELAYS HAVE EXCESSIVE	TIME DELAY AT DUANE ARNOLD*	160262 P 12
#EMERGENCY BUS RELAYS HAVE EXCESSIVE	TIME DELAY RELAY FAILS AT BROWNS FERRY 2*	161065 P 96
#REFUELING ZONE INBOARD ISOLATION	TIME EXCEEDS LIMIT AT BRUNSWICK 2*	160513 P190
#CONTROL ROD INSERTION	TIME EXCEEDS LIMIT AT QUAD CITIES 1*	153948 P538
#DRYWELL PURGE VALVE CLOSING	TIME EXCEEDS LIMIT AT QUAD CITIES 1*	153491 P538
#MSIV CLOSURE	TIME IS SLOW AT BRUNSWICK 2*	156930 P176
#MAIN TURBINE CONTROL VALVE CLOSURE SWITCH RESPONSE	TIME LIMIT AT MONTICELLO*	160209 P436
#MSIV FAILS TO CLOSE WITHIN	TIME LIMIT AT NINE MILE POINT 1*	160058 P446
#INSTRUMENT PROCEDURE NOT APPROVED IN	TIME LIMIT OF REACTOR SCRAM AT PILGRIM 1*	159550 P512
#NRCC NOT NOTIFIED WITHIN	TIME NON-CONSERVATIVE AT VERMONT YANKEE*	155469 P569
#TECH SPEC LIMIT FOR RPS DELAY	TIME OF RHR VALVE OFF LIMITS AT HATCH 1*	154668 P301
#OPENING AND CLOSING	TIME OUT OF LIMITS AT DRESDEN 2*	154616 P209
#MSIV CLOSURE	TIME TOO FAST AT COOPER*	159467 P250
#MSIV CLOSING	TIMER CONTACTS AT QUAD CITIES 2*	156019 P554
#TWC RHR DELAY TIMERS FAIL TO ACTUATE THE	TIMER MISADJUSTED AT FITZPATRICK*	158628 P280
#OFF-GAS	TIMER OUT OF TOLERANCE AT BROWNS FERRY 1*	156212 P 36
#RHR SERVICE WATER PUMP	TIMER RELAY AT QUAD CITIES 2*	155491 P552
#SET POINT DRIFT IN AUTOMATIC BLOWDOWN	TIMER RELAY FAILS AT QUAD-CITIES 2*	155985 P553
#RHR PUMP	TIMER RELAY OPENS TOO SOON AT BROWNS FERRY 1*	154917 P 51
#ADS	TIMER SETPOINT IS INCORRECT AT FITZPATRICK*	159573 P289
#ADS	TIMERS FAIL TO ACTUATE THE TIMER CONTACTS AT QUAD CITIES 2*	156019 P554
#TWO RHR DELAY	TIMES AT OYSTER CREEK*	160300 P472
#DISCHARGE TEMPERATURE EXCEEDS LIMIT 4	TIMES AT QUAD CITIES 1*	153947 P537
#SUPPRESSION POOL LEVEL OUT OF LIMITS THREE	TIMES CONTROL ACTIVITIES AT MILLSTONE*	161680 P425
#COBALT AND SILVER ACTIVITY LEVELS EXCEED TEN	TIMES CONTROL ACTIVITY AT MILLSTONE*	161827 P426
#OYSTER SAMPLE SILVER ACTIVITY EXCEEDS TEN	TIMES DURING 24 HOUR LOAD TEST AT PILGRIM 1*	158646 P509
#DIESEL GENERATOR FAILS 3	TIMES EXCEED LIMITS AT DRESDEN 3*	160176 P235
#MSIV CLOSURE	TIMING AT QUAD-CITIES 2*	159569 P555
#SET POINT DRIFT FOUND IN MSIV CLOSURE	TIMING REQUIREMENTS NOT MET AT COOPER*	159556 P247
#PRIMARY CONTAINMENT ISOLATION VALVE	TIMING TEST PERFORMED WITH WRONG RCS PRESSURE AT BROWNS	157046 P 57
#SCRAM	TIP FAILS TO WITHDRAW FROM THE CORE IN CONTAINMENT	156161 P554
FERRY 1*	TOLERANCE AT BROWNS FERRY 1*	156212 P 56
ISOLATION TEST AT QUAD-CITIES 2*	TOLERANCE AT BRUNSWICK 1*	155559 P129
#RHR SERVICE WATER PUMP TIMER OUT OF	TOLERANCE AT BRUNSWICK 2*	159621 P181
#TORUS LEVEL TRANSMITTER OUT OF	TOLERANCE AT FITZPATRICK*	159575 P288
#DRYWELL PRESSURE SWITCH IS OUT OF	TOD FAST AND FAIL TO INDICATE CLOSED AT QUAD CITIES 2*	160835 P559
#DRYWELL DRAIN PUMP PUMP FLOW SENSORS OUT OF	TOD FAST AT BROWNS FERRY 3*	160080 P116
#MAIN STEAM ISOLATION VALVES CLOSE	TOD FAST AT COOPER*	159467 P250
#MAIN STEAM ISOLATION VALVE CLOSING	TOD HIGH AT HATCH 1*	159501 P323
#MSIV CLOSING TIME	TOD HIGH AT HATCH 2*	157172 P378
#REACTOR HIGH PRESSURE SWITCH SETPOINTS	TOD HIGH AT OYSTER CREEK*	159618 P383
#CORE MAXIMUM FRACTION OF LIMITING POWER DENSITY	TOD HIGH AT OYSTER CREEK*	157699 P456
#CORE MAXIMUM FRACTION OF LIMITING POWER DENSITY IS	TOD HIGH AT OYSTER CREEK*	160261 P458
#REACTOR HIGH PRESSURE SCRAM SENSOR TRIPS 9 PSIG	TOD LATE AT HATCH 2*	160518 P398
#ELECTROMAGNETIC RELIEF VALVE SENSOR SETPOINTS WERE	TOD LONG AT BROWNS FERRY 2*	156015 P 85
#REACTOR LEVEL SWITCHES TRIP	TOD LONG AT DRESDEN 2*	160362 P217
#ROD BLOCK MONITOR BYPASSED	TOD LONG AT DRESDEN 2*	160824 P219
#DIESEL DRIVEN FIRE PUMP OUT OF SERVICE	TOD LONG AT DUANE ARNOLD*	#DIESEL 158665 P 28
#SMOKE DETECTORS OUT OF SERVICE	TOD LONG AT VERMONT YANKEE*	159171 P574
GENERATOR DAY TANK ROOM FIRE SPRINKLERS OUT OF SERVICE	TOD LONG WHEN INTEGRITY REQUIRED AT HATCH 2*	158652 P380
#DRYWELL TC TORUS DIFFERENTIAL PRESSURE FALLS BELOW LIMIT	TOD LOW AT HATCH 1*	156953 P315
#CONTAINMENT PURGE OPERATED	TOD LOW AT HATCH 1*	159503 P324
#CRYWELL/TORUS DIFFERENTIAL PRESSURE FALLS	TOD SOON AT BROWNS FERRY 1*	154917 P 51
#NITROGEN STORAGE TANK LEVEL	TOD SOON AT HATCH 2*	156122 P360
#ADS TIMER RELAY OPENS	TOD SOON AT PEACH BOTTOM 3*	160332 P498
#PLANT SERVICE WATER PUMP SEQUENCED TO BUS		
#CORE SPRAY PUMP STARTS		

	#STEAM LEAK DETECTION LOGIC	TOPAZ INVERTER TRIPS AT BRUNSWICK 2*	155323 P165
	#UPDATE ON DEFECTIVE MSIV	TORQUE SWITCH AT HATCH 2*	163462 P373
INDICATORS AT HATCH 2*		#TORUS AIR AND WATER TEMPERATURE RECORDER FAILS AT HATCH 1*	158597 P316
	#INTACT BLISTERS FOUND ON THE	#TORUS AND DRYWELL TEMPERATURE SENSORS CONNECTED TO WRONG	156983 P365
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FITZPATRICK*		TORUS DIFFERENTIAL PRESSURE CHANNEL AT HATCH 1*	154881 P304
FITZPATRICK*	#DRYWELL TO	TORUS DIFFERENTIAL PRESSURE FALLS BELOW LIMIT AT	155305 P270
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BROWNS FERRY 2*	#DRYWELL TO	TORUS DIFFERENTIAL PRESSURE FALLS BELOW LIMIT TOO LONG AT	159171 P574
	#DRYWELL TO	TORUS DIFFERENTIAL PRESSURE INDICATOR FAILS TO OPERATE AT	154439 P 79
	#DRYWELL TO	TORUS DP DROPPED BELOW LIMITS AT DRESDEN 2*	158247 P214
FERRY 1*	#DESIGN DEFICIENCY FOUND IN	TORUS GRAVITY FILL VALVE AT HATCH 2*	154946 P349
	#DRYWELL AND	TORUS HYDROGEN MONITOR ANNUNCIATES SPURIOUSLY AT BROWNS	160305 P 71
	#LEAK RATE OF	TORUS HYDROGEN OXYGEN RECORDER INOPERABLE AT HATCH 1*	159290 P333
		TORUS INSTRUMENT AIR VALVE EXCEEDS LIMIT AT MONTICELLO*	156243 P431
		TORUS LEVEL EXCEEDS HIGH LIMIT AT BRUNSWICK 2*	155513 P173
BRUNSWICK 1*		TORUS LEVEL EXCEEDS LIMIT AT BRUNSWICK 2*	161813 P200
		TORUS LEVEL INSTRUMENT FAILS TO FUNCTION PROPERLY AT	154516 P126
	#ABNORMAL INDICATION ON	TORUS LEVEL RECORDER AT BRUNSWICK 2*	154883 P169
		TORUS LEVEL TRANSMITTER OUT OF TOLERANCE AT BRUNSWICK 1*	155559 P129
		TORUS OVERFILLED AT BRUNSWICK 2*	155568 P168
		TORUS OXYGEN CONCENTRATION EXCEEDS LIMIT AT OYSTER CREEK*	159327 P461
	#RHR	TORUS PURGE ISOLATION VALVE LEAKS AT HATCH 2*	161712 P399
	#RTGB CONTROL SWITCH FOR MPC	TORUS RETURN VALVE FAILS TO OPERATE AT BROWNS FERRY 1*	160155 P 72
		TORUS SUCTION VALVE FAILS AT BRUNSWICK 1*	155397 P132
	#DRIFT IN DRYWELL AND	TORUS TEMPERATURE EXCEEDS LIMIT AT HATCH 2*	159308 P392
		TORUS TEMPERATURE RECORDER AT HATCH 1*	160128 P335
	#DRYWELL AND	TORUS TEMPERATURE RECORDER FAILS AT HATCH 2*	156934 P373
		TORUS TEMPERATURE RECORDERS FAIL AT HATCH 1*	159271 P333
INDICATION AT DRESDEN 2*		TORUS TO DRYWELL VACUUM BREAKER FAILS AT DRESDEN 2*	158556 P211
		TORUS TO DRYWELL VACUUM BREAKER FAILS TO GIVE OPEN	160266 P214
	#LEAKAGE OF	TORUS TO RB VACUUM BREAKER EXCEEDS LIMIT AT PILGRIM 1*	154689 P503
		TORUS VACUUM BREAKER FAILS AT HATCH 2*	156933 P372
	#REACTOR BUILDING TO	TORUS VACUUM BREAKER INLET PIPE COVERED AT OYSTER CREEK*	158779 P459
	#SETPOINT DRIFT IN	TORUS VACUUM BREAKER PRESSURE SWITCH AT QUAD CITIES 2*	159344 P557
		TORUS VACUUM BREAKER VALVE FAILED OPEN AT HATCH 2*	159629 P385
	#DRYWELL-	TORUS VACUUM BREAKERS NOT TESTED ON TIME AT HATCH 2*	160845 P400
	#LEAK RATE OF	TORUS VENT VALVE EXCEEDS LIMIT AT MONTICELLO*	156241 P430
		TORUS VENT VALVES FAIL TO OPEN AT DRESDEN 2*	158704 P215
1*	#SOME	TORUS WATER DRAINED THROUGH CORE SPRAY SYSTEM AT BRUNSWICK	155314 P133
		TORUS WATER LEVEL BELOW LIMIT AT HATCH 2*	160802 P403
		TORUS WATER LEVEL DROPS BELOW LIMIT AT FITZPATRICK*	154666 P265
		TORUS WATER LEVEL EXCEEDS LIMIT AT FITZPATRICK*	155550 P269
		TORUS WATER LEVEL FALLS BELOW LIMIT AT DUANE ARNOLD*	159215 P 13
		TORUS WATER LEVEL FALLS BELOW LIMIT AT FITZPATRICK*	158604 P282
		TORUS WATER LEVEL INDICATOR FAILS AT PILGRIM 1*	161937 P535
		TORUS WATER LEVEL INSTRUMENT REACTS DOWNSCALE AT HATCH 2*	158297 P367
		TORUS WATER LEVEL PUMPED DOWN BELOW LIMIT AT DUANE ARNOLD*	163370 P 25
		TORUS WATER LEVEL RECORDER INOPERABLE AT HATCH 1*	159291 P334
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		TORUS WATER LEVEL SWITCH FAILS TO ACTUATE AT BRUNSWICK 2*	155572 P167
*	#NARROW RANGE	TORUS WATER LEVEL TRANSMITTER OUT OF CALIBRATION AT HATCH 2	154948 P348
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		TORUS-DRYWELL VACUUM BREAKER FAILS TO OPEN AT HATCH 2*	160476 P396
	#MAXIMUM	TOTAL CONTAINMENT LEAK RATE EXCEEDS LIMIT AT BROWNS FERRY 1	155532 P 55
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	#FLCW LOST IN STANDBY GAS TREATMENT SYSTEM	TOWER TRANSFORMER FEEDER BREAKERS FAIL TO CLOSE AT BROWNS	161794 P 77
	#STANDBY GAS TREATMENT	TRAIN AT HATCH 2*	156990 P363
	#STANDBY GAS TREATMENT FILTER	TRAIN FAILS TO RESET AT BRUNSWICK 1*	156176 P136
#A FIRE IN SOME ELECTRICAL RACEWAYS COULD EFFECT REDUNDANT		TRAIN FAILS TO START AT HATCH 2*	156935 P372
	#BOTH SERVICE WATER	TRAINS AT PILGRIM 1*	154694 P502
#RMV BOARD BREAKER FAILS TO TRANSFER DURING MANUAL		TRAINS INOPERABLE AT HATCH 1*	159408 P338
#CONTAINMENT ISOLATION VALVES LOSE POWER AND		TRANSFER AT BROWNS FERRY 2*	156028 P 83
#RMV BOARD BREAKER FAILS TO		TRANSFER CLOSED AT BROWNS FERRY 3*	157005 P106
#RADIOACTIVE WATER LEAKS FROM CONDENSATE		TRANSFER DURING MANUAL TRANSFER AT BROWNS FERRY 2*	156028 P 83
	#THREE UNAUTHORIZED	TRANSFER PIPING AT OYSTER CREEK*	155566 P451
	#RCIC VALVE	TRANSFERS OF SPECIAL NUCLEAR MATERIAL AT HATCH 1*	161949 P343
*	#COOLING TOWER	TRANSFERS OPEN WHEN BREAKER CONTACT SHORTS AT COOPER*	157036 P244
	#24KV SHUTDOWN	TRANSFORMER FEEDER BREAKERS FAIL TO CLOSE AT BROWNS FERRY 1	161794 P 77
	#SET POINT DRIFT IN REACTOR LEVEL	TRANSFORMER TRIPS AT PILGRIM 1*	155400 P502
	#SET POINT DRIFT IN REACTOR LEVEL	TRANSMITTER AT BIG ROCK POINT*	157074 P 34
	#SET POINT DRIFT IN REACTOR WATER LEVEL	TRANSMITTER AT BIG ROCK POINT*	157076 P 35
	#SET POINT DRIFT IN REACTOR LEVEL	TRANSMITTER AT BIG ROCK POINT*	158777 P 37
	#DRYWELL SUMP FLOW	TRANSMITTER AT BIG ROCK POINT*	160170 P 41
	#FEEDWATER CONTROL LEVEL	TRANSMITTER FALLS OFF AT BROWNS FERRY 3*	159492 P109
	#DRYWELL PRESSURE	TRANSMITTER FOUND OUT OF CALIBRATION AT FITZPATRICK*	156915 P277
	#DRYWELL PRESSURE	TRANSMITTER NOT QUALIFIED AT BROWNS FERRY 2*	161640 P 98
	#NARROW RANGE TORUS WATER LEVEL	TRANSMITTER NOT QUALIFIED AT BROWNS FERRY 3*	161599 P115
	#TORUS LEVEL	TRANSMITTER OUT OF CALIBRATION AT HATCH 2*	154948 P348
	#DIFFERENTIAL PRESSURE	TRANSMITTER OUT OF TOLERANCE AT BRUNSWICK 1*	155559 P129
	#DRYWELL PRESSURE	TRANSMITTER VALVE FOUND CLOSED AT QUAD CITIES 1*	154443 P538
OYSTER CREEK*	#LEAK FOUND IN RECOMBINER DRAIN	TRANSMITTERS NOT QUALIFIED AT BROWNS FERRY 1*	161893 P 76
DUANE ARNOLD*	#CONTROL ROD FREE	TRAP CONDENSATE LINE AT MONTICELLO*	153488 P427
*	#RIVER WATER	TRAVEL INTERLOCK SURVEILLANCE NOT PERFORMED ON TIME AT	158270 P458
		TRAVELING SCREEN FAILS WHILE REDUNDANT SYSTEM IS FAILED AT	159051 P 14
		TRAVERSING INCORE PROBE FAILS TO WITHDRAW AT PEACH BOTTOM 3	155535 P489

BRUNSWICK 2*	# TRAVERSING INCORE PROBE POSITION INDICATION FAILS AT	162706 P202
	#STANDBY GAS TREATMENT CHARCOAL BED LEAKS AT CUAD CITIES 1*	154920 P539
	#STANDBY GAS TREATMENT FAN FAILS TO MEET FLOW REQUIREMENTS AT HATCH 1*	153740 P300
	#STANDBY GAS TREATMENT FAN TRIPS ON OVERLOAD AT CYSTER CREEK*	159328 P462
PEACH BOTTOM 2*	#STANDBY GAS TREATMENT FILTER ASSEMBLY ISOLATION VALVE FAILS TO OPEN AT	161071 P483
	#STANDBY GAS TREATMENT FILTER TRAIN FAILS TO START AT HATCH 2*	156935 P372
BRUNSWICK 2*	#STANDBY GAS TREATMENT OPERABILITY TEST NOT PERFORMED CN TIME AT	158602 P178
	#STANDBY GAS TREATMENT POWER CABLES UNDERSIZED AT HATCH 2*	156881 P369
	#STANDBY GAS TREATMENT PROCEDURE CHANGES NOT REVIEWED AT HATCH 1*	160277 P321
	#SETPOINT DRIFT IN STANDBY GAS TREATMENT RADIATION MONITORS AT CYSTER CREEK*	155557 P451
	#STANDBY GAS TREATMENT SYSTEM FAILS AT FITZPATRICK*	159581 P287
	#STANDBY GAS TREATMENT SYSTEM FLOWRATE FALLS BELOW LIMIT AT OYSTER CREEK	155456 P452
	#CONTROL ROOM AIR TREATMENT SYSTEM INOPERABLE AT DUANE ARNOLD*	159558 P 16
	#STANDBY GAS TREATMENT SYSTEM INOPERABLE AT PILGRIM 1*	159522 P517
	#STANDBY GAS TREATMENT SYSTEM OPERATED IN DEGRADED MODE AT OYSTER CREEK*	160354 P463
	#FLOW LOST IN STANDBY GAS TREATMENT SYSTEM TRAIN AT HATCH 2*	156990 P363
	#STANDBY GAS TREATMENT SYSTEM TRIPS AT DRESDEN 3*	161062 P236
	#STANDBY GAS TREATMENT TRAIN FAILS TO RESET AT BRUNSWICK 1*	156176 P136
	#STANDBY GAS TREATMENT UNIT FAILS AT CYSTER CREEK*	155994 P454
	# TRIAXIAL ACCELEROGRAPH SYSTEMS ALARM AT BRUNSWICK 2*	155394 P204
CLOSES AT HATCH 2*	#RCIC TRIP AND THROTTLE VALVE CLOSES AND HPCI ISOLATION VALVE	156957 P376
	#RCIC TURBINE TRIP AND THROTTLE VALVE FAILS TO OPEN AT DUANE ARNOLD*	159059 P 15
	#RCIC TRIP AND THROTTLE VALVE FAILS TC TRIP AT BRUNSWICK 2*	154678 P166
	#HPCI FAILS TO MEET FLOW REQUIREMENT DUE TO	158272 P 63
	#SWITCHGEAR BREAKERS TRIP AT BROWNS FERRY 1*	161682 P117
	#REACTOR LOW WATER LEVEL SWITCH FAILS TO	154880 P131
	#RCIC TRIP AND THROTTLE VALVE FAILS TO	154678 P166
	#ELECTRONIC DRIFT CAUSES INCORRECT ROD BLOCK	157696 P232
	#DIESEL GENERATOR OUTPUT BREAKER FAILS TO	158296 P371
	#RPS TRIP CHANNEL INOPERABLE AT BRUNSWICK 2*	159451 P183
	#HPCI REACTOR HIGH WATER LEVEL	156011 P 55
	#HPCI TURBINE FAILS TO	159434 P332
	#MAIN STEAM LINE HIGH FLOW SWITCH FAILS TO	158821 P233
	#MAIN STEAM LINE HIGH FLOW SENSORS FAIL TO	163385 P470
	#CONTAINMENT PRESSURE SWITCHES	160268 P 11
	#RPS TRIP SETTING NONCONSERVATIVE AT PILGRIM 1*	160894 P529
	#SET POINT DRIFT IN RCIC REACTOR WATER LEVEL	159284 P113
	#SET POINT DRIFT IN TURBINE ANTICIPATORY	159235 P442
	#RECIRCULATION PUMP	160202 P 15
	#UNIT 1	155480 P410
	#DG FAILS TO	160216 P116
	#REACTOR LEVEL SWITCHES	160518 P398
	#TWO SERVICE WATER PUMPS EACH	160327 P521
	#ONLY OPERABLE RECIRCULATION PUMP ACCIDENTALLY	155594 P 82
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	#RCIC TURBINE TRIPPED ON REACTOR STARTUP AT HATCH 1*	160250 P318
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	#HPCI TURBINE TRIPS AT BROWNS FERRY 1*	157033 P 57
	#RECIRCULATION PUMP MOTOR GENERATOR TRIPS AT BROWNS FERRY 1*	156862 P 60
	#RCIC TURBINE TRIPS AT BROWNS FERRY 1*	156961 P 60
	#OFF SITE ELECTRIC POWER LINE TRIPS AT BROWNS FERRY 1*	159267 P 68
	#RHR AREA COOLER FAN THERMAL OVERLOAD TRIPS AT BROWNS FERRY 1*	159407 P 69
	#DIESEL GENERATOR BREAKER TRIPS AT BROWNS FERRY 1*	163337 P 79
	#RECIRCULATION PUMP TRIPS AT BROWNS FERRY 2*	155592 P 82
	#REACTOR RECIRCULATION MOTOR-GENERATOR SET TRIPS AT BROWNS FERRY 2*	156213 P 86
	#BREAKER TO REACTOR MOV BOARD TRIPS AT BROWNS FERRY 2*	158747 P 89
	#RCIC TURBINE TRIPS AT BROWNS FERRY 3*	159488 P110
	#RHR PUMP MOTOR TRIPS AT BROWNS FERRY 3*	159650 P113
	#REACTOR RECIRCULATION PUMP TRIPS AT BROWNS FERRY 3*	160126 P115
	#RECIRCULATION PUMP TRIPS AT BRUNSWICK 1*	158607 P140
	#FIRE PROTECTION DELUGE VALVE TRIPS AT BRUNSWICK 1*	162414 P160
	#STEAM LEAK DETECTION LOGIC TOPAZ INVERTER TRIPS AT BRUNSWICK 2*	155323 P165
	#CONTAINMENT ATMOSPHERIC MONITOR BREAKER TRIPS AT BRUNSWICK 2*	155570 P167
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	#LPCI INVERTER TRIPS AT FITZPATRICK 1*	160506 P291
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	#LPCI INDEPENDENT POWER SUPPLY INVERTER TRIPS AT FITZPATRICK*	163463 P278
	#DIESEL GENERATOR TRIPS AT FITZPATRICK*	158676 P284
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	#STANDBY DIESEL SERVICE WATER PUMP TRIPS AT HATCH 1*	153505 P298
	#REACTOR RECIRCULATION PUMP TRIPS AT HATCH 1*	154887 P305
	#CONTROL ROOM FILTER FAN TRIPS AT HATCH 1*	157121 P313
	#REACTOR PROTECTION SYSTEM MOTOR GENERATOR OUTPUT BREAKER TRIPS AT HATCH 1*	157073 P314
	#LPCI INVERTER TRIPS AT HATCH 1*	159189 P330
	#OFFGAS HYDROGEN SAMPLE PUMP TRIPS AT HATCH 1*	159442 P334
	#RECIRCULATION PUMP MOTOR GENERATOR TRIPS AT HATCH 1*	161795 P342
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	#HPCI AUXILIARY OIL PUMP FEEDER BREAKER TRIPS AT HATCH 2*	154737 P354
	#DILUTION PUMP TRIPS AT OYSTER CREEK*	161676 P473
	#ONE OFF-SITE POWER SOURCE TRIPS AT PEACH BOTTOM 2*	156027 P477
	#REACTOR COOLANT LEAK DETECTION AIR SAMPLING SYSTEM TRIPS AT PILGRIM 1*	153970 P501
	#FIRE ALARM INADVERTENTLY TRIPS AT PILGRIM 1*	155395 P501
	#24KV SHUTDOWN TRANSFORMER TRIPS AT PILGRIM 1*	155400 P502

#STACK GAS GRAB SAMPLE PUMP	TRIPS AT PILGRIM 1*	159546 P512
#SALT SERVICE WATER PUMP	TRIPS AT PILGRIM 1*	159607 P516
#REACTOR RECIRCULATION PUMP	TRIPS AT PILGRIM 1*	159445 P524
#RHR SUPPRESSICN CHAMBER DUMP VALVE BREAKER	TRIPS AT QUAD CITIES 1*	155522 P539
#SAFETY RELATED MOTOR CONTROL CENTER FEEDER BREAKER	TRIPS AT QUAD CITIES 1*	158624 P542
#RECIRCULATION PUMP MOTOR GENERATOR SET	TRIPS AT QUAD CITIES 1*	158629 P543
#POWER SUPPLY	TRIPS AT VERMONT YANKEE*	160103 P575
#REACTOR WATER LEVEL SWITCH	TRIPS BELOW SETPOINT AT DRESDEN 3*	158749 P232
#REACTOR WATER LEVEL SWITCH	TRIPS BELOW SETPOINT AT DRESDEN 3*	158750 P233
#HPCI	TRIPS DURING A TEST AT BRUNSWICK 1*	154511 P122
#HPCI TURBINE	TRIPS DURING TESTING AT BROWNS FERRY 2*	156017 P 86
#HPCI TURBINE	TRIPS DURING TESTING AT VERMONT YANKEE*	154875 P566
#RESIDUAL HEAT REMOVAL SYSTEM CONTROL VALVE	TRIPS IN MID-POSITION AT BROWNS FERRY 3*	154707 P103
#STANDBY LIQUID CONTROL PUMP BREAKER	TRIPS INADVERTENTLY AT BROWNS FERRY 3*	161936 P121
#RHR PUMP	TRIPS OFF AT BRUNSWICK 1*	155507 P132
#DIESEL GENERATOR	TRIPS ON HIGH ENGINE TEMPERATURE AT QUAD CITIES 1*	161063 P548
#DIESEL GENERATOR	TRIPS ON LOW LUBE OIL PRESSURE AT FITZPATRICK*	154949 P268
#RECIRCULATION PUMP	TRIPS ON LOW OIL PRESSURE AT HATCH 2*	159315 P394
#RCIC	TRIPS ON MANUAL STARTUP AT HATCH 2*	159127 P381
#RHR PUMP	TRIPS ON OVERCURRENT AT BROWNS FERRY 3*	161959 P120
#STANDBY GAS TREATMENT FAN	TRIPS ON OVERLOAD AT OYSTER CREEK*	159328 P462
#OG AUXILIARY OIL PUMP MOTOR	TRIPS CUT AT BROWNS FERRY 3*	159490 P110
#ERRONEOUS MANUAL OPERATION OF A RELAY	TRIPS RECIRC PUMP AT BROWNS FERRY 2*	155365 P 82
#FEEDER BUS FAULT	TRIPS RECIRCULATION PUMP AT BROWNS FERRY 1*	156960 P 58
#RECIRCULATION PUMP	TRIPS TWICE AT BRUNSWICK 2*	155567 P170
#REACTOR HIGH PRESSURE SCRAM SENSOR	TRIPS 9 PSIG TOO HIGH AT OYSTER CREEK*	157699 P456
#RCIC	TURBINE WHEEL DAMAGED AT COOPER*	157032 P245
#LPCI HEAT EXCHANGER	TUBES LEAK AT DRESDEN 2*	160087 P218
#LPCI HEAT EXCHANGER	TUBES LEAK AT DRESDEN 3*	158705 P233
#CONTAINMENT SPRAY HEAT EXCHANGER	TUBES LEAK AT OYSTER CREEK*	155993 P453
HATCH 1*	#TUBING GOING INTO CONTAINMENT LACKS PROPER SUPPORT AT	158788 P315
*	TUBING TO AUX SYSTEM COOLING VALVE BRCKEN AT BIG ROCK POINT	154459 P 32
	#SET POINT DRIFT IN	159235 P442
	TURBINE ANTICIPATORY TRIP SWITCH AT NINE MILE POINT 1*	160451 P547
	#SET POINT DRIFT IN HPCI	154657 P260
	TURBINE BEARING INSPECTION AT FITZPATRICK*	158248 P 29
	#RCIC	162539 P416
	TURBINE BEARINGS FAIL AT DUANE ARNOLD*	159405 P 69
	#SOIL UNDER	159404 P 60
	TURBINE BUILDING CONTAMINATED AT LACROSSE*	159242 P511
	TURBINE BUILDING ROOF VENT MONITOR FAILS AT BROWNS FERRY 1*	159253 P253
BROWNS FERRY 1*	TURBINE BUILDING VENTILATION SAMPLES NOT TAKEN ON TIME AT	159382 P290
PILGRIM 1*	TURBINE COMPARTMENT TEMPERATURE SWITCH SETPOINT IS HIGH AT	154620 P207
*	TURBINE COMPUTER SYSTEM SPURIOUSLY SCRAMS REACTOR AT COOPER	156930 P176
	#RCIC	160082 P188
	TURBINE CONTROL VALVE CLOSURE SCRAM FAILS TO RESET AT	161070 P183
DRESDEN 2*	TURBINE CONTROL VALVE CLOSURE SWITCH RESPONSE TIME IS SLOW	154665 P301
AT BRUNSWICK 2*	TURBINE CONTROL VALVE FAILS TO CFEN AT BRUNSWICK 2*	156118 P359
	#HPCI	155292 P 50
	TURBINE CONTROL VALVE FAST CLOSURE RELAY FAILS AT	155489 P 83
BRUNSWICK 2*	TURBINE CONTROL VALVE FAST CLOSURE TEST NOT PERFORMED AT	160275 P 10
HATCH 1*	TURBINE CONTROL VALVE PRESSURE SWITCH AT HATCH 2*	156239 P429
*	TURBINE COUPLING BEARING SUPPORT PEDESTAL AT BROWNS FERRY 1	156242 P431
*	TURBINE COUPLING BEARING SUPPORT PEDESTAL AT BROWNS FERRY 2	161852 P404
	#HPCI	160187 P522
	TURBINE DOES NOT REACH RATEC SPEED AT DUANE ARNOLD*	155326 P307
	#LEAK RATE OF HPCI	156151 P570
	TURBINE EXHAUST CHECK VALVE EXCEEDS LIMIT AT MONTICELLO*	159311 P393
	#RCIC	159434 P332
	TURBINE EXHAUST ISOLATION VALVE LEAK RATE EXCEEDS LIMIT AT	159418 P 68
HATCH 2*	TURBINE EXHAUST LINE SNUBBER FAILURES AT PILGRIM 1*	159245 P114
	#MULTIPLE HPCI	155595 P 51
	#SET POINT DRIFT IN RCIC	159108 P110
	TURBINE EXHAUST PRESSURE SWITCHES AT HATCH 1*	157743 P 88
	#HPCI	160519 P399
	TURBINE FAILS TO REACH RATEC SPEED AT VERMONT YANKEE*	160313 P444
	#RCIC	156929 P 28
	TURBINE FAILS TO RESET AT HATCH 2*	159340 P 91
	#HPCI	158790 P319
	TURBINE FAILS TO TRIP ON OVERSPEED AT HATCH 1*	155347 P491
FERRY 1*	TURBINE FIRST STAGE PRESSURE PERMISSIVE SWITCHES AT BROWNS	161779 P484
BROWNS FERRY 3*	TURBINE FIRST STAGE PRESSURE SWITCH SET POINTS HIGH AT	159059 P 15
	#ELECTRICAL AND MECHANICAL RCIC	160250 P318
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SETPOINT DRIFT AT BROWNS FERRY 3*	TURBINE PRESSURE PERMISSIVE AND PRESSURE SWITCHES HAVE	156961 P 60
	TURBINE PRESSURE PERMISSIVE SWITCHES AT BROWNS FERRY 2*	159488 P110
	#SET POINT DRIFT OCCURS ON	156017 P 86
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	#HPCI	161752 P 22
	TURBINE PRESSURE SWITCH AT HATCH 2*	153497 P448
	#HPCI	155567 P170
	TURBINE REACTOR SCRAM SWITCHES AT NINE MILE POINT 1*	159627 P329
	#HPCI	154621 P347
	TURBINE REVERSING CHAMBERS CRACK AT DUANE ARNOLD*	159050 P406
	#HPCI	160327 P521
	TURBINE RUPTURE DISC FAILS AT BROWNS FERRY 2*	161653 P196
	#RCIC	162536 P418
	TURBINE SPEED SWINGS AT HATCH 1*	
	#SET POINT DRIFT IN RCIC	
	TURBINE STEAM FLOW SWITCH AT PEACH BOTTOM 3*	
	#SET POINT DRIFT IN RCIC	
	TURBINE STEAM LINE HIGH FLOW SWITCHES AT PEACH BOTTOM 2*	
ARNOLD*	TURBINE TRIP AND THROTTLE VALVE FAILS TO CFEN AT DUANE	
	#RCIC	
	TURBINE TRIPPED ON REACTOR STARTUP AT HATCH 1*	
	#HPCI	
	TURBINE TRIPS AT BROWNS FERRY 1*	
	#RCIC	
	TURBINE TRIPS AT BROWNS FERRY 1*	
	#RCIC	
	TURBINE TRIPS AT BROWNS FERRY 3*	
	#HPCI	
	TURBINE TRIPS DURING TESTING AT BROWNS FERRY 2*	
	#HPCI	
	TURBINE TRIPS DURING TESTING AT VERMONT YANKEE*	
	TURBINE VALVE CLOSURE TEST NOT PERFORMED AT DUANE ARNOLD*	
	#ONLY ONE DILUTION PUMP OPERATING FOR	
	RECIRCULATION PUMP TRIPS	
	#CONTAINMENT OXYGEN CONCENTRATION EXCEEDS LIMITS	
	#POWER SUPPLY FOR RCIC STEAM LEAK DETECTION SYSTEM FAILS	
	#HPCI INJECTS INTO REACTOR VESSEL	
	#TWO SERVICE WATER PUMPS EACH TRIP	
LACROSSE*	TWENTY MINUTE PERIODS AT OYSTER CREEK*	
	TWICE AT BRUNSWICK 2*	
	TWICE AT HATCH 1*	
	TWICE AT HATCH 2*	
	TWICE AT PILGRIM 1*	
	TWO CAD SYSTEM VALVES FAIL TO OFEN AT BRUNSWICK 2*	
	TWO CCNTAINMENT ISOLATION VALVES EXCEED LEAK RATE AT	

VERMONT YANKEE*	# TWO CONTAINMENT ISOLATION VALVES EXCEED LEAK RATE LIMIT AT	161955 P581
	# TWO CONTROL ROD DRIVE PUMPS INOPERABLE AT CYSTER CREEK*	162046 P468
	# TWO CONTROL ROD POSITION INDICATIONS LOST AT BRUNSWICK 1*	163506 P157
	# TWO CONTROL ROD SELECT SWITCHES INOPERABLE AT BRUNSWICK 2*	161651 P197
OYSTER CREEK*	# TWO CONTROL RODS UNCOUPLE AT BRUNSWICK 2*	154495 P161
BOTTOM 2*	# TWO CRACKS FOUND IN THE CORE SPRAY SPARGER PIPING AT	154449 P450
	# TWO DRYWELL VENT VALVES FOUND TO BE FULLY OPEN AT PEACH	154740 P474
	# TWO FIRE DETECTION ALARMS INOPERABLE AT PILGRIM 1*	161596 P530
BRUNSWICK 1*	# TWO FIRE DOORS FAIL TO CLOSE AT FITZPATRICK*	154651 P262
MILLSTONE 1*	# TWO INSTRUMENT SENSING LINE ISOLATION VALVES CLOSE AT	156228 P131
	# TWO MAIN STEAM ISOLATION VALVES FAIL TO MEET LEAK RATE AT	160060 P423
	# TWO MAIN STEAM LINE SUPPORT WELDS FAIL AT MILLSTONE 1*	161470 P424
QUAD CITIES 2*	#UPDATE ON TWO OPEN VENTILATION ISOLATION VALVES AT PEACH BOTTOM 3*	163595 P475
	# TWO RHR DELAY TIMERS FAIL TO ACTUATE THE TIMER CONTACTS AT	156019 P554
	# TWO SEISMIC SUPPORTS MAY BE INADEQUATE AT VERMONT YANKEE*	155471 P570
*	# TWO SERVICE WATER PUMPS EACH TRIP TWICE AT PILGRIM 1*	160327 P521
	# TWO SERVICE WATER SYSTEM SNUBBERS INOPERABLE AT BRUNSWICK 1	154508 P126
AT COOPER*	#ONLY ONE ISOLATION VALVE FOUND ON TWO SPARE LINES PENETRATING CONTAINMENT AT BROWNS FERRY 1*	155209 P 52
	# TWO THROUGH-WALL CRACKS FOUND IN REC CRITICAL LOOP WELDS	155340 P243
DRESDEN 2*	# ULTRASONIC TESTING OF SCRAM DISCHARGE VOLUME MISSED AT	161793 P221
	#LEAKAGE RATE OF THREE CONTAINMENT ISOLATION VALVES UNACCEPTABLE AT HATCH 2*	155432 P356
	#HYDROGEN RECOMBINER RETURN VALVE LEAKAGE UNACCEPTABLE AT HATCH 2*	155449 P358
HATCH 1*	#THREE UNAUTHORIZED TRANSFERS OF SPECIAL NUCLEAR MATERIAL AT	161949 P343
	#BOTH CONTAINMENT ATMOSPHERE OXYGEN MONITORS CONCURRENTLY UNAVAILABLE AT ARNOLD*	155551 P 3
	#TWO CONTROL RODS UNCOUPLE AT BRUNSWICK 2*	154495 P161
	#CONTROL ROD UNCOUPLED FROM DRIVE AT BROWNS FERRY 1*	163339 P 78
	#CONTROL ROD UNCOUPLED IN FULL WITHDRAWN POSITION AT DRESDEN 2*	155372 P210
	#INTACT BLISTERS FOUND ON THE TORUS COATING UNDER THE WATER LINE AT BRUNSWICK 2*	156076 P172
	#SOIL UNDER TURBINE BUILDING CONTAMINATED AT LACROSSE*	162539 P416
ARNOLD*	#STANDBY GAS TREATMENT POWER CABLES UNDERSIZED AT HATCH 2*	156881 P369
	#INSTRUMENT AC UNDERVOLTAGE RELAY SETPOINT FALLS BELOW LIMIT AT DUANE	163373 P 24
	#POWER FROM UNINTERRUPTABLE POWER SYSTEM INTERRUPTED AT VERMONT YANKEE*	157081 P571
BAY*	#STANDBY GAS TREATMENT UNIT FAILS AT OYSTER CREEK*	155994 P454
	#CRD HYDRAULIC CONTROL UNIT INSTRUMENT READINGS DRIFT AT FITZPATRICK*	159226 P285
	#UNIT 1 TRIP TEST NOT PERFORMED WHEN REQUIRED AT HUMBOLDT	155480 P410
ROCK POINT*	#UNQUALIFIED CAM SYSTEM INSTALLED AT BROWNS FERRY 1*	156945 P 61
POWER CABLES AT MONTICELLO*	#UNQUALIFIED SPLICES AND TERMINAL BLOCKS DISCOVERED AT BIG	163386 P 46
	#UNQUALIFIED SPLICES DISCOVERED ON MSIV SOLENOID VALVE	156012 P433
	#SLC RELIEF VALVES UNTIL PRESSURE EXCEEDS LIMIT AT QUAD CITIES 2*	154916 P551
	#SOURCE RANGE MONITORS FAIL TO MOVE AND GIVE UNUSUAL INDICATION AT BRUNSWICK 2*	156655 P179
	#SNUBBERS LOCK UP AT HATCH 1*	158817 P320
	#CORE SPRAY SNUBBER FAILS TO LOCK UP AT OYSTER CREEK*	160433 P464
	#SHOCK SUPPRESSOR FAILS TO LOCK UP AT VERMONT YANKEE*	160897 P577
	#REACTOR WATER CLEAN-UP ISOLATION VALVE FAILS TO CLOSE AT BROWNS FERRY 3*	156965 P106
	#UPDATE REPORT ON REACTOR CLEAN-UP SYSTEM PIPING INDICATIONS AT BIG ROCK POINT*	153974 P 29
	#LINEAR INDICATION FOUND IN REACTOR WATER CLEAN-UP SYSTEM WELD AT BROWNS FERRY 1*	154615 P 48
	#REACTOR STARTED UP WITH ONE CORE SPRAY LOOP INOPERABLE AT MONTICELLO*	158553 P434
BOTTOM 3*	#UPDATE ON CONTAINMENT HYDROGEN OXYGEN ANALYZERS AT HATCH 2*	163426 P369
AT BRUNSWICK 2*	#UPDATE ON CONTAINMENT ISOLATION VALVE FAILURE AT PEACH	161975 P496
*	#UPDATE ON CONTAINMENT OXYGEN CONCENTRATION EXCEEDING LIMIT	163503 P191
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FERRY 3*	#UPDATE ON DEFECTIVE MSIV TORQUE SWITCH AT HATCH 2*	163462 P373
1, 2 AND 3*	#UPDATE ON FAILURE OF 76 CONTROL RODS TO INSERT AT BROWNS	163405 P111
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#LEAK RATE OF RCIC TURBINE EXHAUST CHECK	VALVE EXCEEDS LIMIT AT MONTICELLO*		156243 P431
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#RCIC OUTBOARD ISOLATION	VALVE FAILS TO CLOSE AT HATCH 2*	159319 P394
#DRYWELL SUMP ISOLATION	VALVE FAILS TO CLOSE AT MONTICELLO*	161895 P438
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#MAIN STEAM SAMPLE LINE ISOLATION	VALVE FAILS TO CLOSE AT PEACH BOTTOM 3*	154597 P488
#FEEDWATER FLUSH ISOLATION	VALVE FAILS TO CLOSE AT PEACH BOTTOM 3*	153476 P489
#CONTAINMENT SPRAY OUTBOARD ISOLATION	VALVE FAILS TO CLOSE AT PEACH BOTTOM 3*	159095 P494
#CONTAINMENT ISOLATION	VALVE FAILS TO CLOSE AT PEACH BOTTOM 3*	160137 P495
#CONTAINMENT ISOLATION	VALVE FAILS TO CLOSE AT PEACH BOTTOM 3*	159450 P496
#CONTAINMENT VENTILATION ISOLATION	VALVE FAILS TO CLOSE AT PEACH BOTTOM 3*	159440 P497
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#MAIN STEAM LINE DRAIN ISOLATION	VALVE FAILS TO CLOSE AT PILGRIM 1*	159280 P520
#NITROGEN PURGE SUPPLY ISOLATION	VALVE FAILS TO CLOSE AT PILGRIM 1*	160212 P526
#CONTAINMENT ISOLATION	VALVE FAILS TO CLOSE AT PILGRIM 1*	160553 P532
#MAIN STEAM ISOLATION	VALVE FAILS TO CLOSE AT QUAD CITIES 1*	158708 P544
#ELECTROMATIC RELIEF	VALVE FAILS TO CLOSE AT QUAD CITIES 1*	160452 P546
#CONTAINMENT OXYGEN ANALYZER	VALVE FAILS TO CLOSE AT QUAD CITIES 2*	153487 P550
#RHR SERVICE WATER VAULT BED PLATE DRAIN	VALVE FAILS TO CLOSE AT QUAD CITIES 2*	153951 P551
#SUPPRESSION POOL COOLING	VALVE FAILS TO CLOSE AT QUAD CITIES 2*	158495 P556
#CONTAINMENT ISOLATION NITROGEN	VALVE FAILS TO CLOSE AT QUAD-CITIES 2*	159688 P558
#CONTAINMENT MONITORING ISOLATION	VALVE FAILS TO CLOSE AT VERMONT YANKEE*	156889 P572
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#MAIN STEAM ISOLATION	VALVE FAILS TO CLOSE IN TIME AT COOPER*	163531 P260
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#NITROGEN PURGE ISOLATION	VALVE FAILS TO CLOSE IN TIME AT PILGRIM 1*	158840 P515
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#STANDBY LIQUID CONTROL RELIEF	VALVE FAILS TO OPEN AT BRUNSWICK 1*	159199 P147
#RCIC INJECTION	VALVE FAILS TO OPEN AT BRUNSWICK 2*	160525 P187
#HPCI TURBINE CONTROL	VALVE FAILS TO OPEN AT BRUNSWICK 2*	160082 P188
#SERVICE WATER	VALVE FAILS TO OPEN AT COOPER*	162522 P258
#HPCI STEAM SUPPLY	VALVE FAILS TO OPEN AT DRESDEN 2*	160566 P220
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#RCIC TURBINE TRIP AND THROTTLE	VALVE FAILS TO OPEN AT CUANE ARNOLD*	159059 P 15
#RCIC STEAM SUPPLY LINE	VALVE FAILS TO OPEN AT CUANE ARNOLD*	160501 P 21
#CORE SPRAY	VALVE FAILS TO OPEN AT FITZPATRICK*	153729 P266
#CORE SPRAY	VALVE FAILS TO OPEN AT FITZPATRICK*	154660 P267
#RHR SYSTEM DISCHARGE TO RADWASTE	VALVE FAILS TO OPEN AT FITZPATRICK*	158300 P276
#CONTAINMENT SPRAY	VALVE FAILS TO OPEN AT HATCH 1*	156991 P315
#SHUTDOWN COOLING SUCTION	VALVE FAILS TO OPEN AT HATCH 1*	158754 P321
#RHR INBOARD INJECTION	VALVE FAILS TO OPEN AT HATCH 1*	159314 P335
#HPCI INJECTION	VALVE FAILS TO OPEN AT HATCH 2*	159157 P387
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#ELECTROMATIC RELIEF	VALVE FAILS TO OPEN AT CYSTER CREEK*	154450 P449
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#LPCI INJECTION	VALVE FAILS TO OPEN AT PEACH BOTTOM 3*	155416 P490
#LPCI INJECTION	VALVE FAILS TO OPEN AT PEACH BOTTOM 3*	156969 P493
#CORE SPRAY PUMP FAILS TO START AND	VALVE FAILS TO OPEN AT PILGRIM 1*	158613 P508
#RELIEF	VALVE FAILS TO OPEN AT PILGRIM 1*	159499 P520
#CORE SPRAY	VALVE FAILS TO OPEN AT PILGRIM 1*	160251 P525
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#CORE SPRAY	VALVE FAILS TO OPEN AT QUAD CITIES 2*	160067 P559
#RCIC PUMP DISCHARGE	VALVE FAILS TO OPEN AT QUAD CITIES 2*	161435 P560
#PRESSURE RELIEF	VALVE FAILS TO OPEN AT QUAD-CITIES 2*	156942 P555
#RHR CONTAINMENT COOLING	VALVE FAILS TO OPEN AT QUAD-CITIES 2*	160878 P560
#ELECTROMAGNETIC RELIEF	VALVE FAILS TO OPEN AT QUAD-CITIES 2*	163334 P564
#HPCI STOP	VALVE FAILS TO OPEN COMPLETELY AT BROWNS FERRY 1*	156211 P 36
#LPCI	VALVE FAILS TO OPEN FULLY AT QUAD-CITIES 2*	160567 P559
#RECIRCULATION PUMP DISCHARGE	VALVE FAILS TO OPEN FULLY AT VERMONT YANKEE*	157039 P571
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#RHR TORUS RETURN	VALVE FAILS TO OPERATE AT BROWNS FERRY 1*	160155 P 72
#RECIRC SYSTEM FLOW CONTROL	VALVE FAILS TO OPERATE AT BROWNS FERRY 2*	154437 P 80
#INBOARD THROTTLE ISOLATION	VALVE FAILS TO OPERATE AT COOPER*	159465 P250
#HPCI	VALVE FAILS TO OPERATE AT DRESDEN 2*	157698 P212
#HPCI	VALVE FAILS TO OPERATE AT DRESDEN 2*	157686 P213

#CORE SPRAY	VALVE FAILS TO REOPEN DURING TEST AT FITZPATRICK*	154650 P262
#RHR-SW CHECK	VALVE FAILS TO SEAT AT VERMONT YANKEE*	160297 P576
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#RCIC TRIP AND THROTTLE	VALVE FAILS TO TRIP AT BRUNSWICK 2*	154678 P166
#UPDATE ON RHR RADWASTE DISCHARGE	VALVE FAILURE AT COOPER*	163481 P250
#UPDATE REPORT ON CONTAINMENT ISOLATION	VALVE FAILURE AT FITZPATRICK*	163365 P278
#UPDATE ON CONTAINMENT SPRAY	VALVE FAILURE AT PEACH BOTTOM 3*	163583 P494
#UPDATE ON CONTAINMENT ISOLATION	VALVE FAILURE AT PEACH BOTTOM 3*	161975 P496
#UPDATE ON PRESSURE RELIEF	VALVE FAILURE AT QUAD CITIES 2*	163490 P560
#UPDATE REPORT ON RCIC ISOLATION	VALVE FAILURE TO CLOSE AT PEACH BOTTOM 2*	161960 P480
FERRY 1*	#CONTROL	VALVE FAST CLOSURE PRESSURE SWITCH MISWIRE AT BROWNS
	#MAIN TURBINE CONTROL	VALVE FAST CLOSURE RELAY FAILS AT BRUNSWICK 2*
BRUNSWICK 2*	#TURBINE CONTROL	VALVE FAST CLOSURE TEST NOT PERFORMED AT HATCH 1*
	#ISOLATION	VALVE FOR DRYWELL PRESSURE SWITCH FOUND CLOSED AT
#DIESEL GENERATOR CARDOX SYSTEM VAPOR PILOT	VALVE FOUND CLOSED AT PEACH BOTTOM 2*	153736 P164
#DIFFERENTIAL PRESSURE TRANSMITTER	VALVE FOUND CLOSED AT QUAD CITIES 1*	159194 P478
BROWNS FERRY 1*	#RHR	VALVE FOUND INOPERABLE AT BROWNS FERRY 3*
	#ONLY ONE ISOLATION	VALVE FOUND ON TWO SPARE LINES PENETRATING CONTAINMENT AT
	#CRACKS FOUND IN SAFETY	VALVE GUIDE AT BROWNS FERRY 2*
	#SAFETY	VALVE GUIDE CRACKS AT BROWNS FERRY 3*
	#AIR SUPPLY VALVE TO ISOLATION	VALVE INADVERTENTLY CLOSED AT PEACH BOTTOM 2*
	#VACUUM BREAKER	VALVE INDICATING LIGHT FAILS OFF AT HATCH 1*
	#RCIC ISOLATION CONDENSER	VALVE INOPERABLE AT DRESDEN 3*
	#CONDENSER VENT ISOLATION	VALVE INOPERABLE AT DRESDEN 3*
	#CONTAINMENT ISOLATION	VALVE INOPERABLE AT FITZPATRICK*
	#MAIN STEAM BYPASS	VALVE INOPERABLE AT PEACH BOTTOM 2*
	#HPCI	VALVE INOPERABLE AT QUAD CITIES 2*
	#	VALVE INSTALLED WITHOUT DESIGN CHANGE APPROVAL AT LA CROSSE
#RECIRC PUMP DISCHARGE	VALVE LEAK AT PILGRIM*	163464 P414
#HPCI CHECK	VALVE LEAK RATE EXCEEDS LIMIT AT BROWNS FERRY 2*	161824 P534
#FEEDWATER INBOARD CHECK	VALVE LEAK RATE EXCEEDS LIMIT AT DRESDEN 3*	160092 P 94
#FEEDWATER CHECK	VALVE LEAK RATE EXCEEDS LIMIT AT DRESDEN 3*	155518 P227
#FEEDWATER ISOLATION	VALVE LEAK RATE EXCEEDS LIMIT AT HATCH 2*	156159 P229
#FEEDWATER ISOLATION	VALVE LEAK RATE EXCEEDS LIMIT AT HATCH 2*	156222 P364
#FEEDWATER ISOLATION	VALVE LEAK RATE EXCEEDS LIMIT AT HATCH 2*	161854 P403
#RCIC TURBINE EXHAUST ISOLATION	VALVE LEAK RATE EXCEEDS LIMIT AT HATCH 2*	161852 P404
#DRYWELL PNEUMATIC RETURN ISOLATION	VALVE LEAK RATE EXCEEDS LIMIT AT HATCH 2*	161880 P406
#CONTAINMENT ISOLATION	VALVE LEAK RATE EXCEEDS LIMIT AT LACROSSE*	162016 P418
#CONTAINMENT ISOLATION	VALVE LEAK RATES EXCEED LIMIT AT HATCH 2*	157132 P362
#FEEDWATER ISOLATION	VALVE LEAK RATES EXCEED LIMIT AT HATCH 2*	161845 P404
#CONTAINMENT ISOLATION	VALVE LEAK RATES EXCEED LIMIT AT QUAD CITIES 1*	160815 P546
#HPCI AND RHR	VALVE LEAK RATES EXCEED LIMITS AT HATCH 2*	161914 P404
#CONTAINMENT VENT LINE ISOLATION	VALVE LEAKAGE EXCEEDS LIMIT AT DRESDEN 3*	155521 P227
#RADWASTE DISCHARGE ISOLATION	VALVE LEAKAGE EXCEEDS LIMIT AT HATCH 2*	159308 P368
#CONTAINMENT ISOLATION	VALVE LEAKAGE EXCEEDS LIMIT AT HATCH 2*	162703 P407
#HYDROGEN RECOMBINER RETURN	VALVE LEAKAGE UNACCEPTABLE AT HATCH 2*	155449 P352
#CONTAINMENT ISOLATION	VALVE LEAKS ACROSS SEAT AT BIG ROCK POINT*	160043 P 40
#CONTAINMENT ISOLATION	VALVE LEAKS AT BIG ROCK POINT*	162017 P 44
#FIRE PROTECTION	VALVE LEAKS AT BROWNS FERRY 1*	160570 P 76
#RHR CHECK	VALVE LEAKS AT BROWNS FERRY 2*	159395 P 92
#RCIC STEAM ISOLATION	VALVE LEAKS AT BRUNSWICK 2*	162720 P200
#CORE SPRAY RELIEF	VALVE LEAKS AT DRESDEN 3*	155194 P225
#HPCI SUCTION LINE ISOLATION	VALVE LEAKS AT DRESDEN 3*	157051 P230
#CORE SPRAY RELIEF	VALVE LEAKS AT DRESDEN 3*	156987 P231
#SCRAM DISCHARGE VOLUME DRAIN	VALVE LEAKS AT DUANE ARNOLD*	159205 P 13
#MAIN STEAM ISOLATION	VALVE LEAKS AT FITZPATRICK*	158612 P282
#HPCI INBOARD ISOLATION	VALVE LEAKS AT HATCH 1*	160289 P315
#TORUS PURGE ISOLATION	VALVE LEAKS AT HATCH 2*	161712 P399
#RHR PUMP SUCTION	VALVE LEAKS AT HATCH 2*	161628 P403
#CONTAINMENT ISOLATION	VALVE LEAKS AT HATCH 2*	162702 P408
#SCREEN WASH PUMP DISCHARGE	VALVE LEAKS AT HUMBOLDT BAY 3*	160844 P411
#CONTAINMENT VENTILATION	VALVE LEAKS AT PEACH BOTTOM 3*	160141 P497
#CONTAINMENT ISOLATION	VALVE LEAKS EXCESSIVELY AT LACROSSE*	162014 P417
#EMERGENCY CONDENSER OUTLET	VALVE LEAKS THROUGH SEAT AT BIG ROCK POINT*	154457 P 31
#RCIC STEAM SUPPLY	VALVE LIMIT SWITCH FAILS AT DUANE ARNOLD*	160856 P 19
#MAIN STEAM ISOLATION	VALVE LIMIT SWITCH FAILS TO RESET AT FITZPATRICK*	163403 P296
#SAFETY RELIEF	VALVE LINE CRACKED AT QUAD-CITIES 1*	161454 P545
#MSIV LEAKAGE CONTROL SYSTEM BLEED	VALVE LOOSES POWER AT HATCH 2*	157159 P373
#EXCESS FLOW CHECK	VALVE MISSING INTERNALS AT BROWNS FERRY 2*	161452 P 96
#HPCI STEAM SUPPLY	VALVE MOTOR FAILS AT FITZPATRICK*	162035 P295
#OPENING AND CLOSING TIME OF RHR	VALVE OFF LIMITS AT HATCH 1*	154668 P301
AT BRUNSWICK 1*	#MANUAL	VALVE ON HPCI SUPPRESSION POOL SUCTION LINE FOUND CLOSED
	#VACUUM BREAKER	VALVE OPENS AT QUAD CITIES 1*
	#REACTOR VESSEL RELIEF	VALVE OPENS SPURIOUSLY AT PILGRIM 1*
	#REACTOR VESSEL RELIEF	VALVE OPENS SPURIOUSLY AT PILGRIM 1*
	#WASTE LINE	VALVE OPERATOR FAILS TO OPEN AT COOPER*
	#FEEDWATER/HPCI FLOW CONTROL	VALVE OPERATOR LEAKS AT NINE MILE POINT 1*
#DAMAGE MIGHT OCCUR TO CONTAINMENT ISOLATION VENTILATION	VALVE OPERATORS AT BIG ROCK POINT*	156954 P 36
#HPCI STEAM THROTTLE	VALVE OSCILLATES AT PILGRIM 1*	160344 P524
#HPCI STEAM THROTTLE	VALVE OSCILLATES AT PILGRIM 1*	160240 P524
#RCIC DRAIN POT LEVEL CONTROL	VALVE PACKING RUPTURES AT ARNOLD*	154711 P 1
#RCIC	VALVE POSITION INDICATION LOST AT BROWNS FERRY 1*	160905 P 74
#UNQUALIFIED SPLICES DISCOVERED ON MSIV SOLENOID	VALVE POWER CABLES AT MONTICELLO*	156012 P433
#RELIEF	VALVE PRESSURE ALARM ANNUNCIATES AT DRESDEN 2*	161903 P222
#ERROR FOUND IN CALCULATED SAFETY	VALVE PRESSURE MARGIN AT NINE MILE POINT*	161798 P447
#SET POINT DRIFT IN TURBINE CONTROL	VALVE PRESSURE SWITCH AT HATCH 2*	156118 P356
#UPDATE REPORT ON EMERGENCY CONDENSER	VALVE SEAT LEAKAGE AT BIG ROCK POINT*	154458 P 30
#ELECTROMATIC RELIEF	VALVE SENSOR SETPOINTS WERE TOO HIGH AT CYSTER CREEK*	160261 P458

#SAFETY RELIEF	VALVE SOLENOID INSULATION DEGRADED AT BRUNSWICK 2*	159135 P180
#HPCI STOP	VALVE STEM FAILS AT COOPER*	155604 P242
#STEAM PRESSURE RELIEF	VALVE STICKS OPEN AT DUANE ARNOLD*	161716 P 22
#SET POINT DRIFT IN RECIRCULATION	VALVE SWITCH AT BROWNS FERRY 3*	161934 P122
#SAFETY RELIEF	VALVE TAILPIPE PRESSURE SWITCH NOT TESTED AT HATCH 1*	161059 P339
#FIRE PROTECTION SYSTEM	VALVE TESTS NOT PERFORMED ON TIME AT HATCH 2*	154738 P354
#RCIC	VALVE THERMAL OVERLOAD ALARMS AT PILGRIM 1*	160232 P523
#PRIMARY CONTAINMENT ISOLATION	VALVE TIMING REQUIREMENTS NOT MET AT COOPER*	159556 P247
#AIR SUPPLY	VALVE TO ISOLATION VALVE INADVERTENTLY CLOSED AT PEACH	161974 P486
#RCIC	VALVE TRANSFERS OPEN WHEN BREAKER CONTACT SHORTS AT COOPER*	157036 P244
#FIRE PROTECTION DELUGE	VALVE TRIPS AT BRUNSWICK 1*	162414 P160
#RESIDUAL HEAT REMOVAL SYSTEM CONTROL	VALVE TRIPS IN MID-POSITION AT BROWNS FERRY 3*	154707 P103
#LPCI CHECK	VALVE UPSTREAM DRAIN LINE LEAKS AT DRESDEN 2*	158554 P212
#BRACING BETWEEN MAIN STEAM RELIEF	VALVE VENT LINE LEGS MISSING AT HATCH 1*	153504 P299
#CONTAINMENT CONDENSATE RETURN ISOLATION	VALVE-LEAKS AT LA CROSSE*	158309 P413
#PRESSURE SWITCH	VALVE CUT AT DRESDEN 2*	159527 P216
#LIMIT SWITCHES ON RHR PUMP	VALVES ARE BROKEN AT HATCH 2*	157702 P380
#SET POINT DRIFT IN THREE RELIEF	VALVES AT ARNOLD*	156225 P 6
#SETPOINT DRIFT IN STANDBY LIQUID CONTROL RELIEF	VALVES AT DRESDEN 3*	156010 P228
#UPDATE ON LEAKY ADS	VALVES AT HATCH 2*	163424 P366
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#HPCI STEAM SUPPLY	VALVES CLOSE ABOVE PRESSURE LIMIT AT HATCH 1*	153503 P101
#HPCI STEAM SUPPLY	VALVES CLOSE ABOVE PRESSURE LIMIT AT HATCH 1*	153503 P299
#TWO INSTRUMENT SENSING LINE ISOLATION	VALVES CLOSE AT BRUNSWICK 1*	156228 P131
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#RCIC AND HPCI EXHAUST	VALVES CLOSED AT BRUNSWICK 2*	160358 P187
#RHR MINIMUM FLOW	VALVES CLOSED INADVERTENTLY AT HATCH 1*	159500 P322
#MAIN STEAM ISOLATION	VALVES EXCEED LEAK RATE AT BROWNS FERRY 2*	160921 P 95
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#THREE RWCU ISOLATION	VALVES FAIL TO CLOSE AT BROWNS FERRY 1*	156878 P 59
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#CAD TANK FLOW CONTROL	VALVES FAIL TO OPERATE AT BRUNSWICK 2*	161655 P195
#SCRAM DISCHARGE VOLUME VENT AND DRAIN	VALVES FAIL TO OPERATE AT PEACH BOTTOM 2*	159644 P479
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